GENERAL CATALOGUE

PREMIUM HYDRAULIC VALVES









MADE IN ITALY

Il marchio OMPI per l'oleodinamica.

OMPI, un marchio affidabile per la gestione completa dei fluidi da oltre 30 anni, integra la propria gamma produttiva con la divisione oleodinamica **OFC-VILLA**, specificatamente dedicata alla progettazione e produzione di valvole oleodinamiche per i settori mobile e industriale

The OMPI hydraulics division.

***OMPI**, a reliable brand for complete fluid management from more than 30 years, integrates its production range with **OFC-VILLA** hydraulic division, specifically dedicated to design and manufacture hydraulic valves for mobile and industrial sectors.*



TERMS OF SUPPLY AND SPECIFICATIONS

GENERAL TERMS

1. Technical Modifications
Technical specifications and drawings are subject to change without notice.

2. Warranty
Products are covered by warranty for a period of 12 months with effect from the date of shipment from OMPI srl premises.

3. Jurisdicion
Sole jurisdiction for the settlement of any disputes involving OMPI srl lies with the Law Court of Reggio Emilia, Italy.

TECHNICAL SPECIFICATIONS

1. Seals
Standard seals are made of Acryl-Nitrile Butadiene NBR (BUNA-N), their working temperature range is between -20°C and +90°C.

2. Storage
Valves are supposed to be stored in their original packing and not exposed to the direct sun light or sources of heat or ozone.
Recommended storage temperature is between -10°C and +50°C.

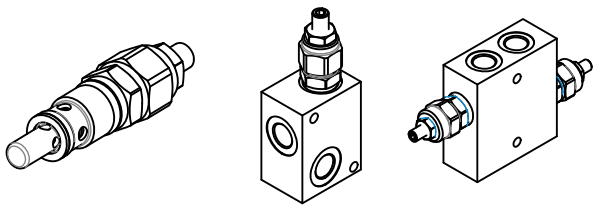
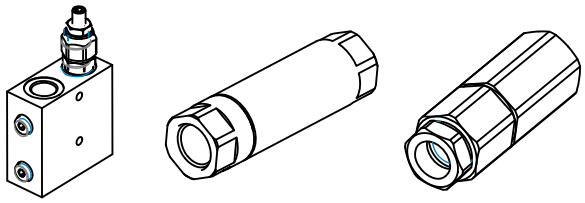
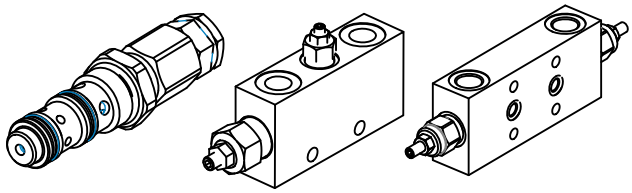
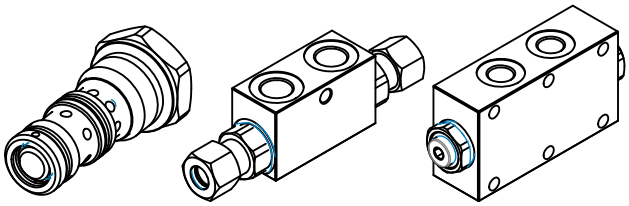
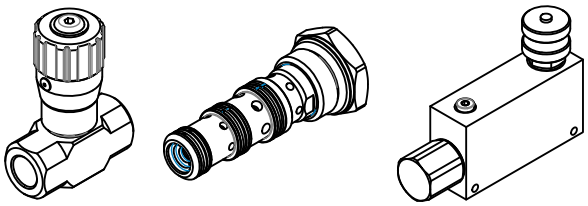
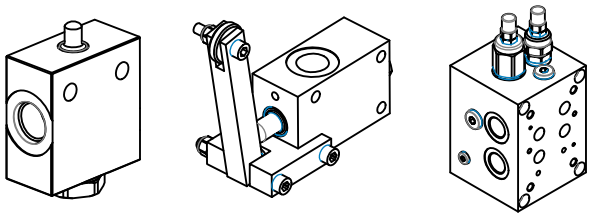
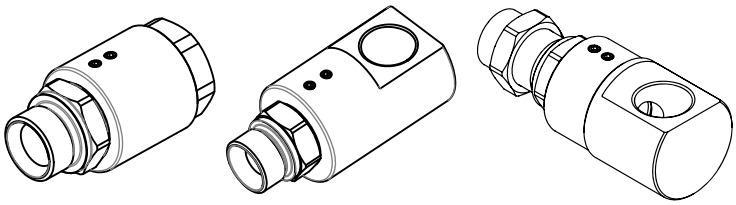
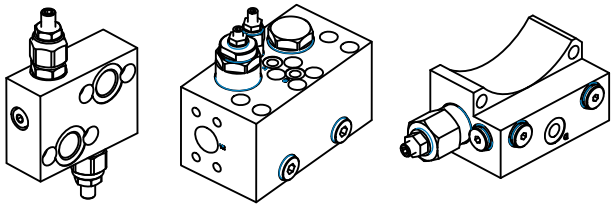
3. Fluid Filtration
Statistically over 70% of the hydraulic failures are due to fluid contamination.
We recommend the following filtration levels:

SYSTEM WORKING PRESSURE	NOMINAL FILTRATION	CONTAMINATION CLASS
> 250 bar	10 µm	**ISO 4406:** 17/14 **NAS 1638:** 8
between 100-250 bar	15 µm	**ISO 4406:** 18/14 **NAS 1638:** 9
< 100 bar	25 µm	**ISO 4406:** 19/15 **NAS 1638:** 10-11

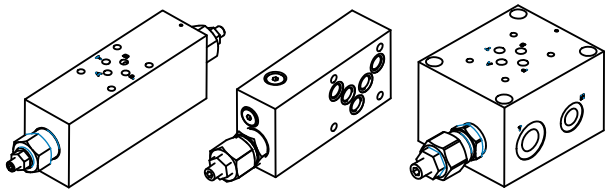
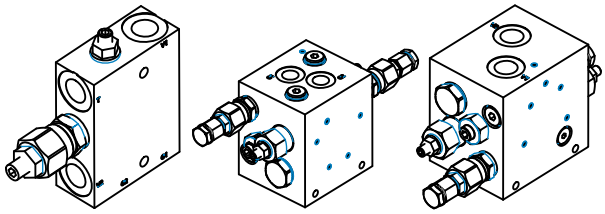
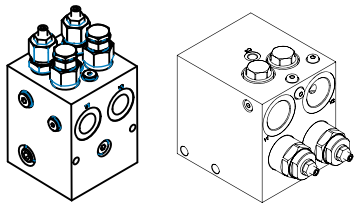
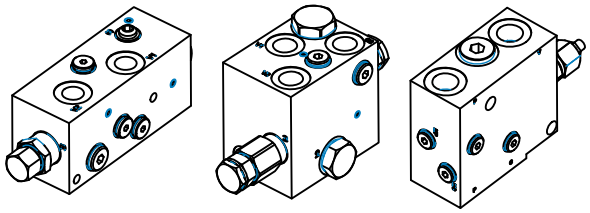
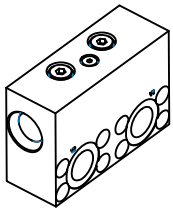
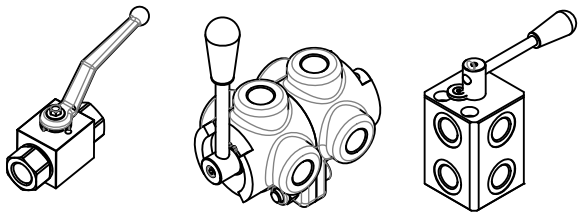
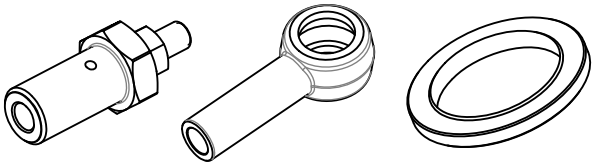
4. Internal Leakage
Under the normal run of things our valves have a leak proof seat design allowing a max leakage of 15/20 drops per minute with 46 cSt oil at 40°C. Leakages tend to decrease considerably or vanish totally after few seconds of rest of the valve.

5. Pressure Setting
Basically valves are set at standard values. Whenever the application requires a specific setting make sure not to exceed the pressure range indicated.

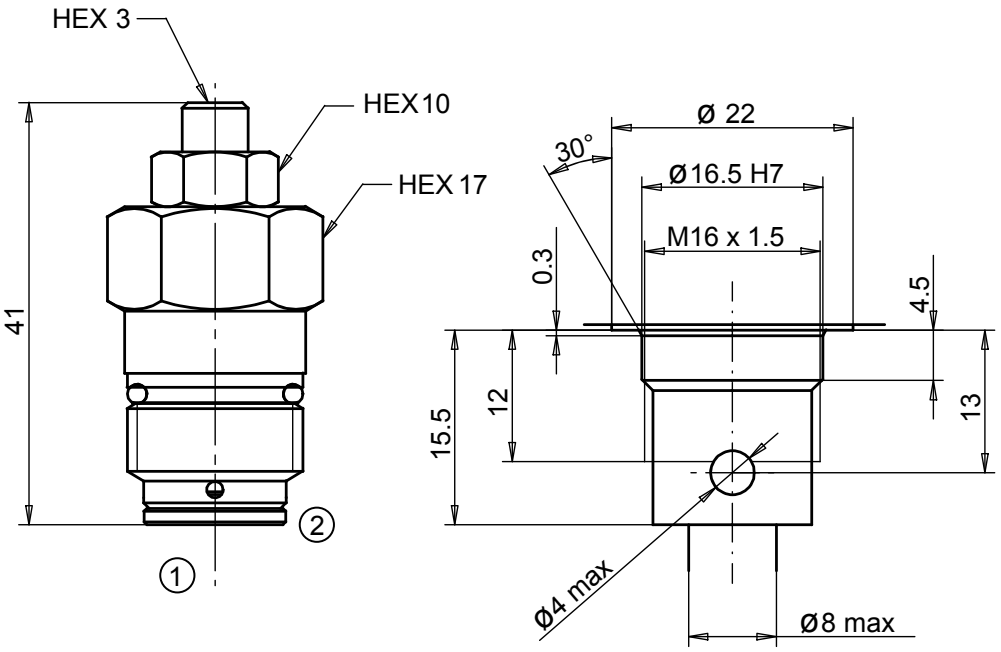
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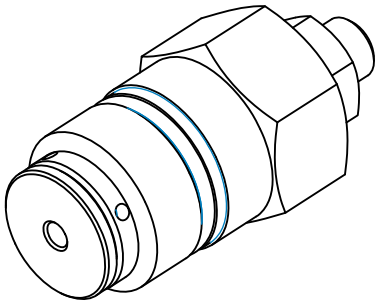
SECTION		PAGE
PRESSURE CONTROL VALVES		005/00
SEQUENCE VALVES		041/00
COUNTERBALANCE VALVES		050/00
CHECK VALVES		070/00
FLOW CONTROL VALVES		120/00
SPECIAL APPLICATIONS		150/00
SWIVEL JOINTS		160/00
MOTOR MOUNTED VALVES		170/00

INDEX

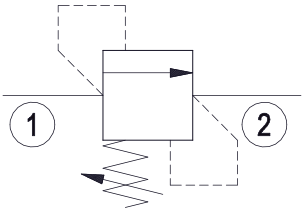
SECTION		PAGE
CETOP VALVES		200/00
ROTATION CONTROL VALVES		210/00
MOTION CONTROL VALVES		220/00
REGENERATIVE CIRCUIT VALVES		230/00
PURGE VALVES		240/00
FLOW SELECTORS		260/00
ANCILLARY PRODUCTS		285/00

Dimensions

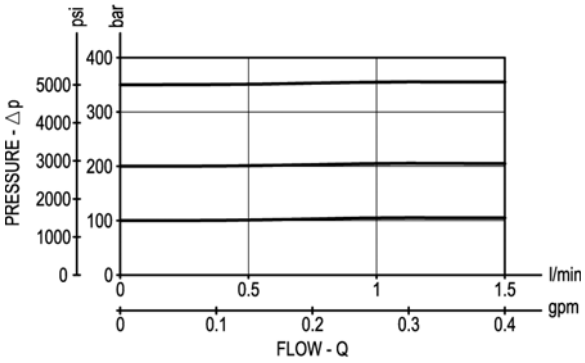




Hydraulic Symbol



Curves



Features

Max Pressure	400 bar
Max Flow	1,5 lpm
Installation torque	35-44 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts.

Ordering Code

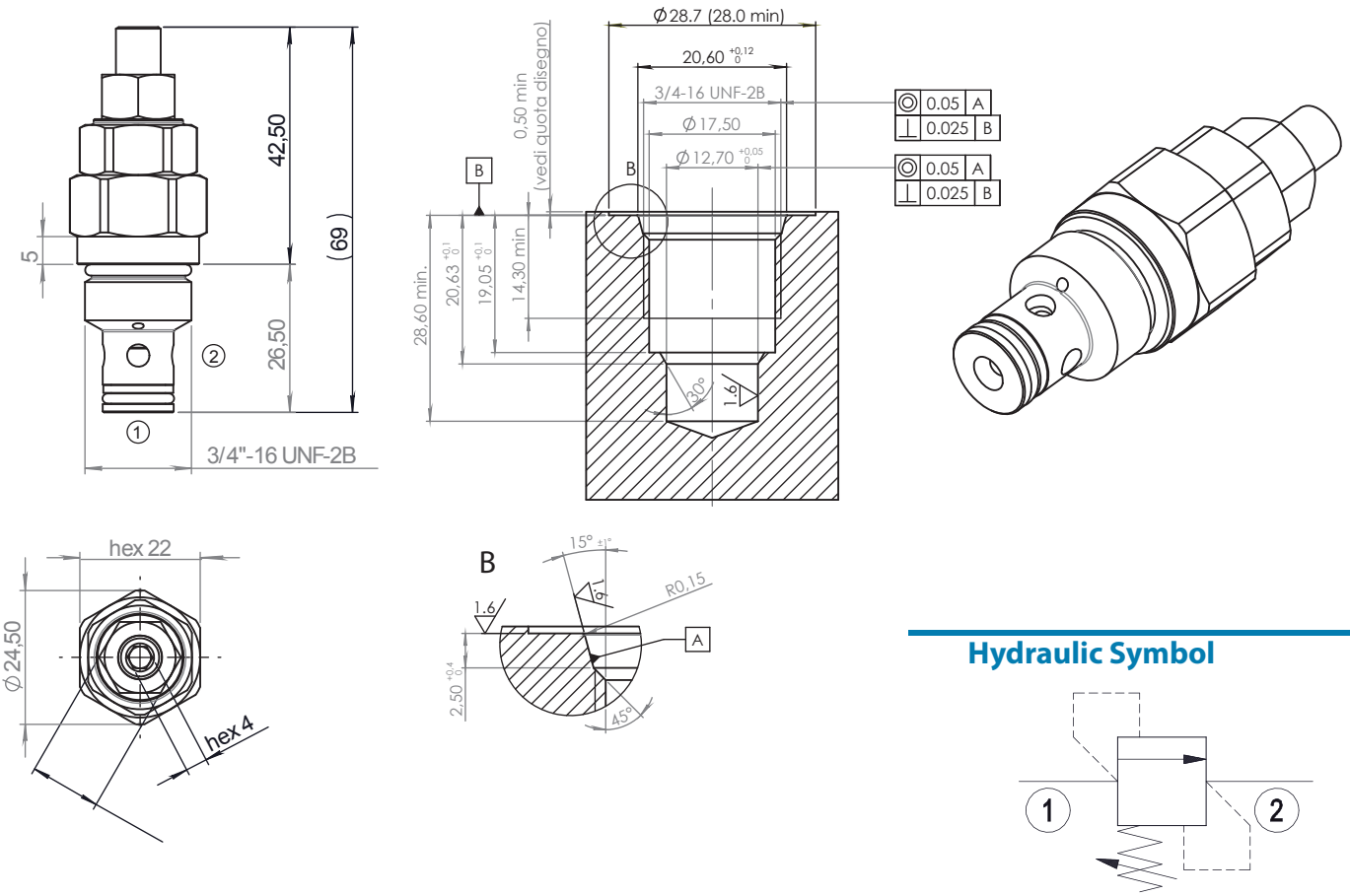
PRC 1	- -	-

Spring (bar)	
20	100-210
30	200-400

Adjustments		
A		Socket Screw

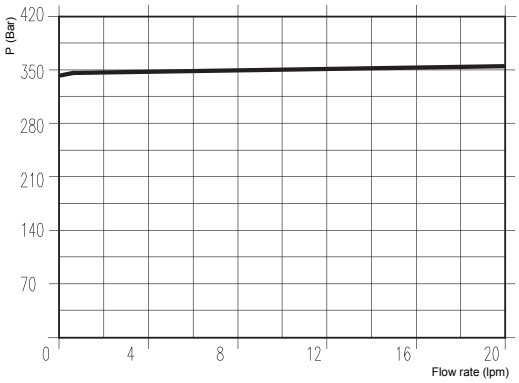
Ordering Code Example: PRC120A = 100-210 bar setting range, Socket Screw adjustment.

Dimensions



Hydraulic Symbol

Curves



Features

Max Flow	20 lpm
Max Pressure	350 bar
Installation Torque	45-50 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts.

Ordering Code

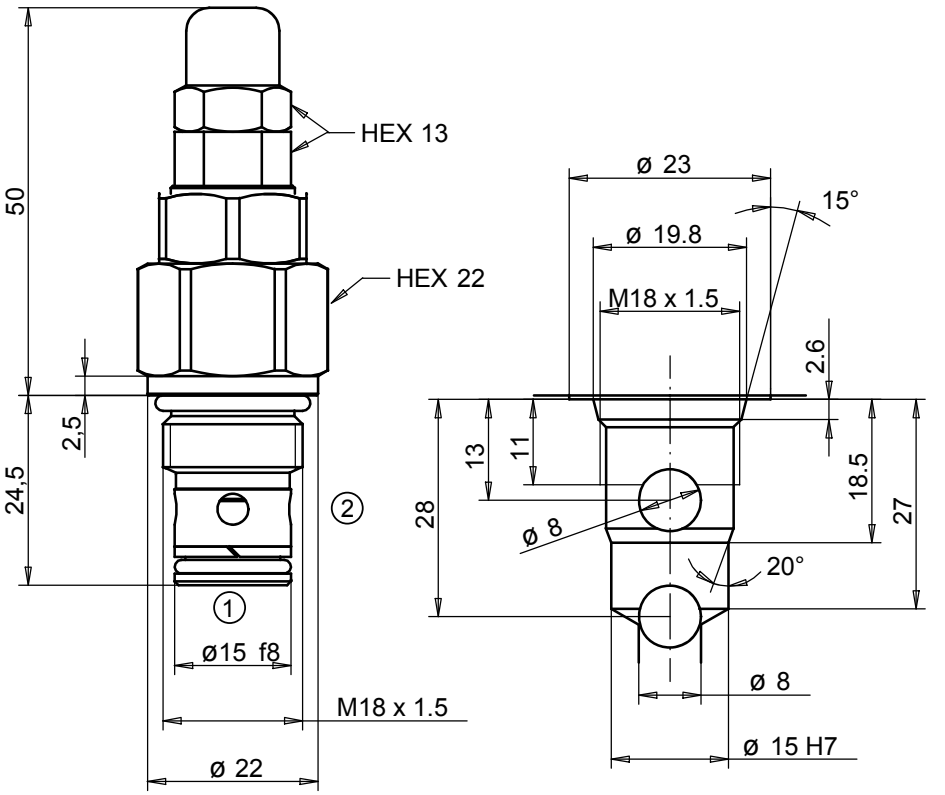
PRC 20	- -	-

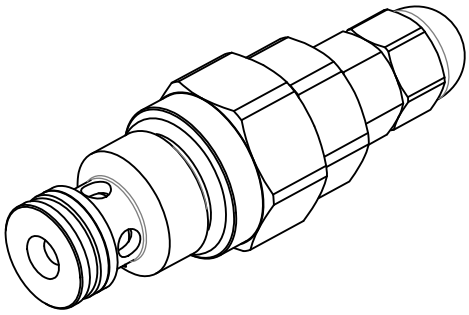
Spring (bar)	
10	5-100
30	50-350

Adjustments		
A		Socket Screw
C		Tamperproof Cap

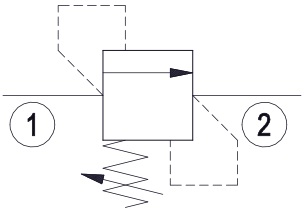
Ordering Code Example: PRC2030A = 50-350 bar setting range, Socket screw adjustment.

Dimensions

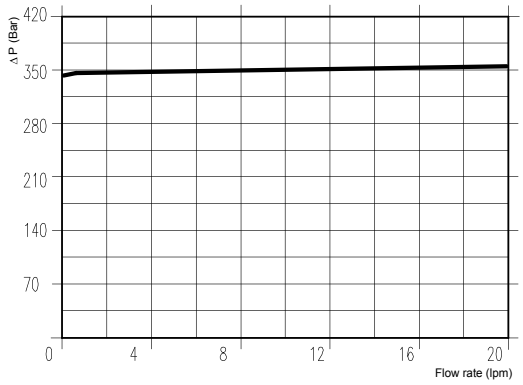




Hydraulic Symbol



Curves



Features

Max Pressure	350 bar
Max Flow	20 lpm
Installation torque	35-40 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts.

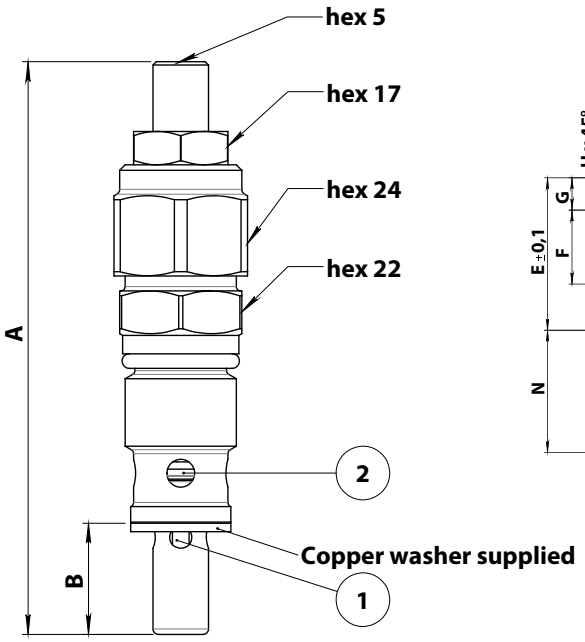
Ordering Code

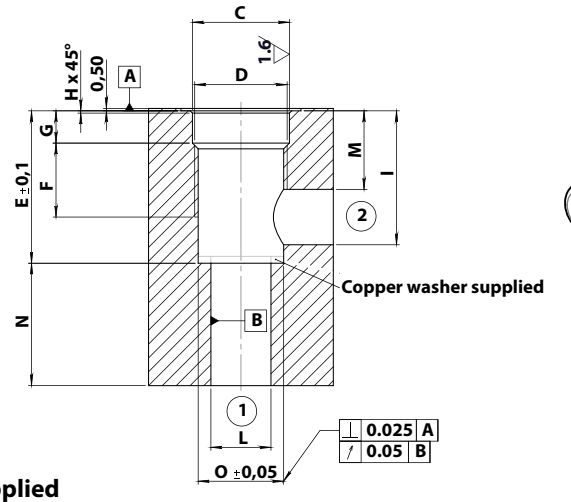
PRC 20M18 **- -**

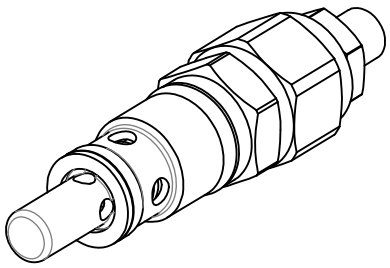
	Spring (bar)
10	0-60
30	10-210

Ordering Code Example: **PRC20M1830** = 10-210 bar setting range, Socket Screw adjustment.

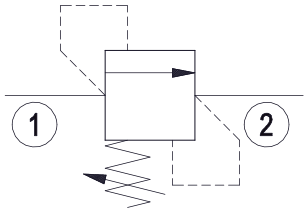
Dimensions





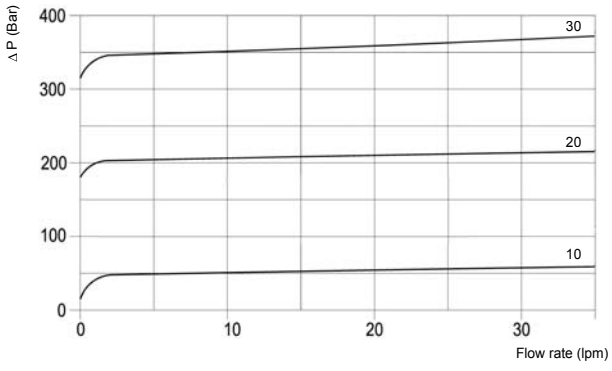


Hydraulic Symbol



Size	A max	B	C	D	E	F	G	H	I max	L max	M max	N min	O min	Weight kg
35	103	20	21 H7	M20x1,5	33	16	7	0,5	29	13	17	20	18,5	0,16

Curves



Features

Rated Flow	35 lpm
Max Pressure	350 bar
Installation Torque	45-50 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts.

Ordering Code

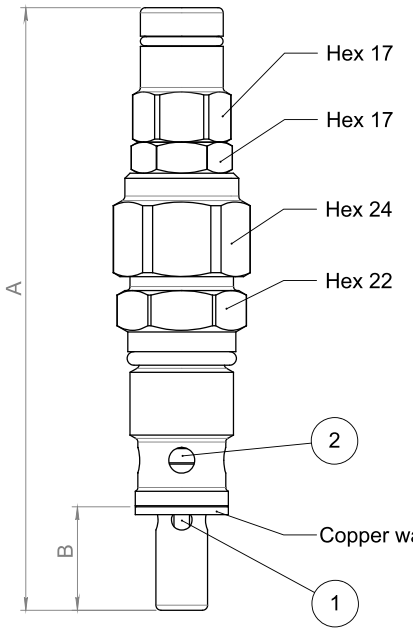
PRC 35	- -	-

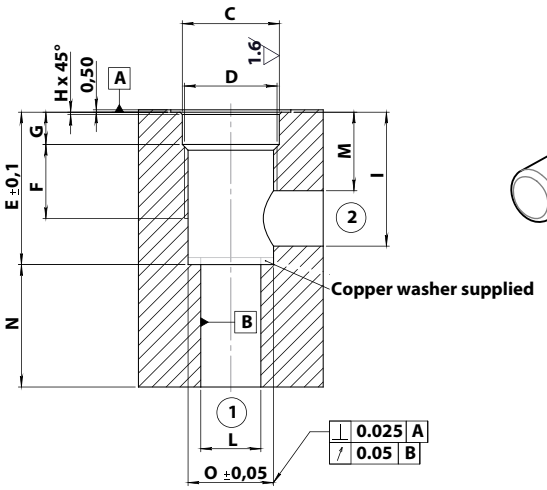
Spring (bar)	
10	5-50
20	40-210
30	100-350

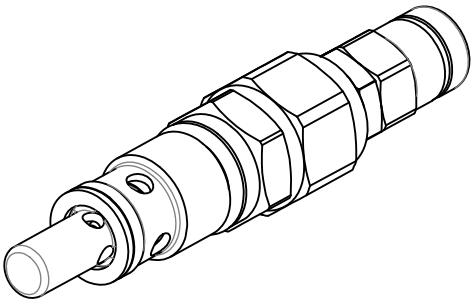
Adjustments		
A		Socket Screw
B		Handknob
C		Tamperproof Cap

Ordering Code Example: PRC3520A - 40-210 bar setting range, Socket screw adjustment.

Dimensions

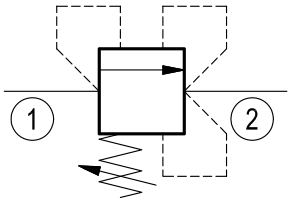




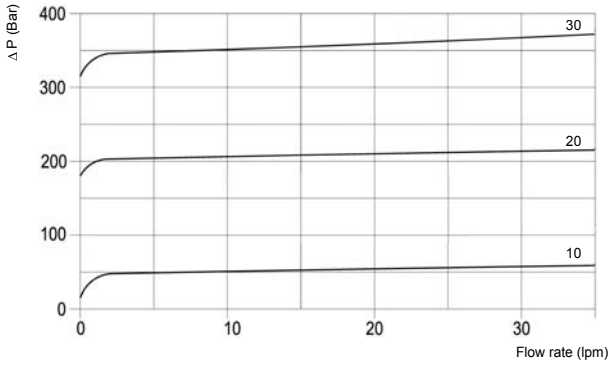


Size	A	B	C	D	E	F	G	H	I max	L max	M max	N min	O	Weight kg
35	116,5	20	21 H7	M20x1,5	33	16	7	0,5	29	13	17	20	18,5	0,16

Hydraulic Symbol



Curves



Features

Rated Flow	35 lpm
Max Pressure	350 bar
Installation Torque	45-50 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts.

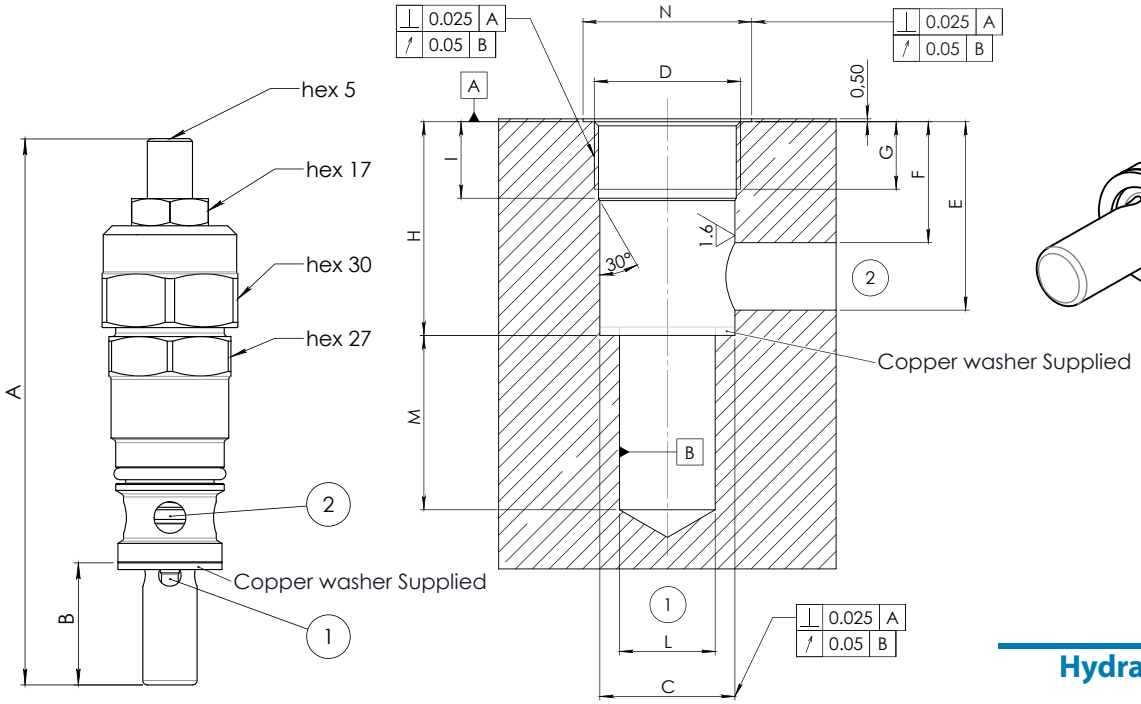
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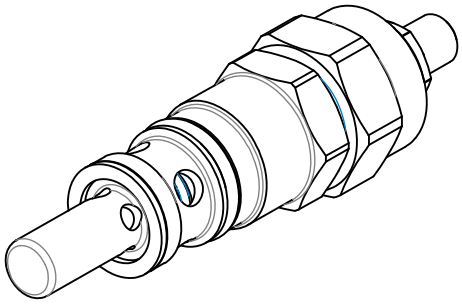
PRC 35CC **- -**

	Spring (bar)
10	5-50
20	40-210
30	100-350

Ordering Code Example: **PRC35CC20** - 40-210 bar setting range.

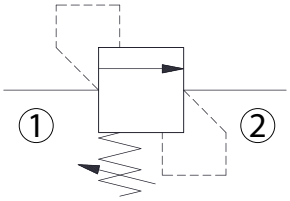
Dimensions



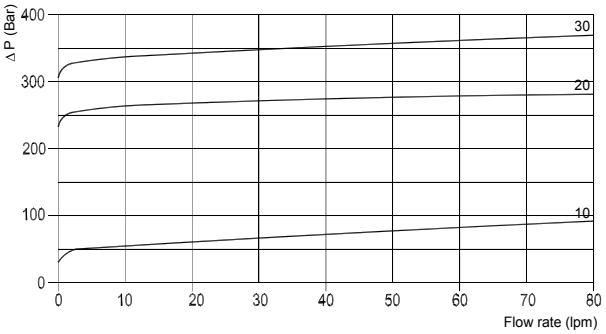


Size	A max	B	C	D	E	F	G	H	I	L	M min	N	Weight kg
80	120	27	24 H7	M26x1,5	33,5	21,5	12	38	13,6	17	28	30	0,29

Hydraulic Symbol



Curves



Features

Rated Flow	80 lpm
Max Pressure	350 bar
Installation Torque	70-80 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts.

Ordering Code

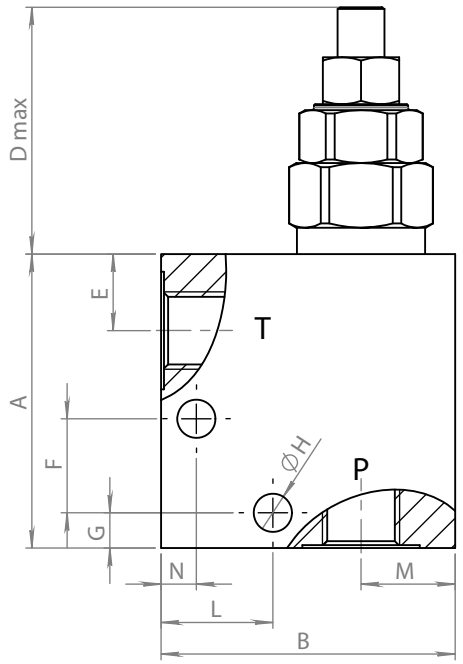
PRC 80	- -	-

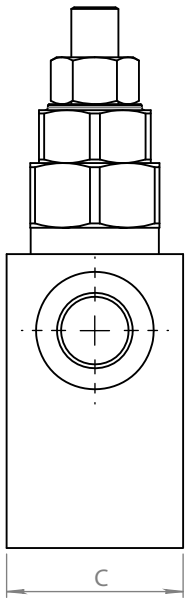
	Spring (bar)
10	5-50
20	30-260
30	130-350

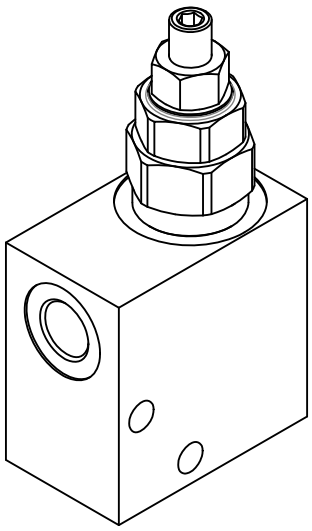
Adjustments		
A		Socket Screw
B		Handknob
C		Tamperproof Cap

Ordering Code Example: PRC8020A - 30-260 bar setting range, Socket screw adjustment.

Dimensions

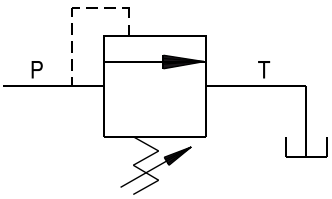




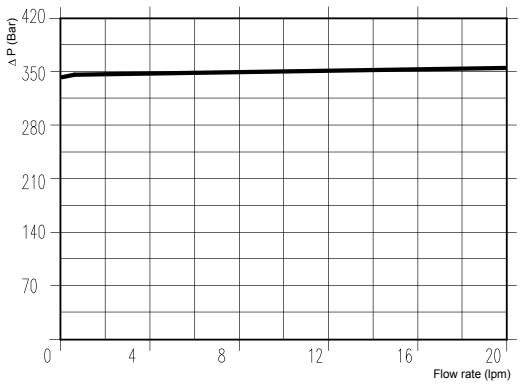


Size	A	B	C	D	E	F	G	H	L	M	N	P-T BSP	Weight kg
01	50	50	30	40	13	16	6	6,5	19	16	6	1/4	0,53
02	50	50	30	40	13	16	6	6,5	19	16	6	3/8	0,51

Hydraulic Symbol



Curves



Features

Rated Flow	20 lpm
Max Pressure	350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

PRL 20	- -	- -	-

Port Size BSP

01	1/4
02	3/8

Spring (bar)

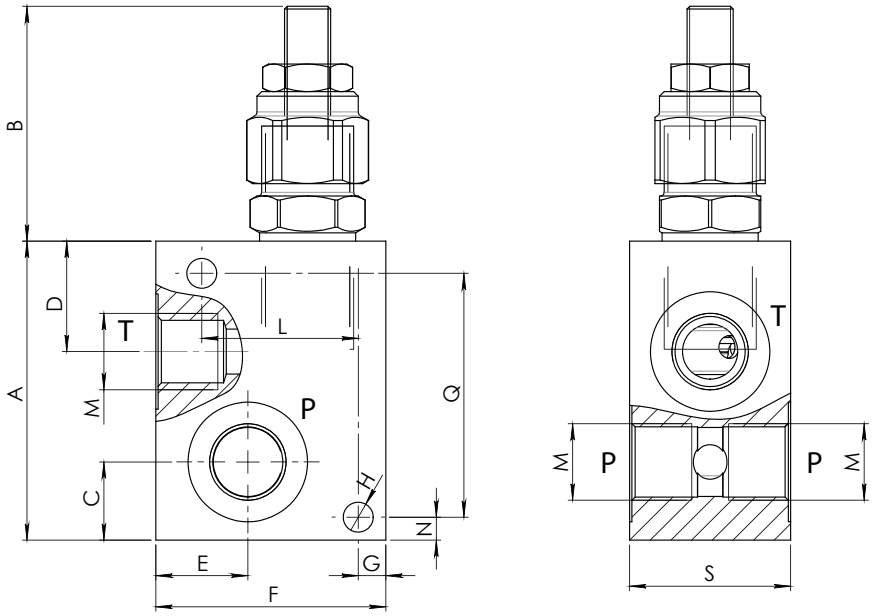
10	5-100
30	50-350

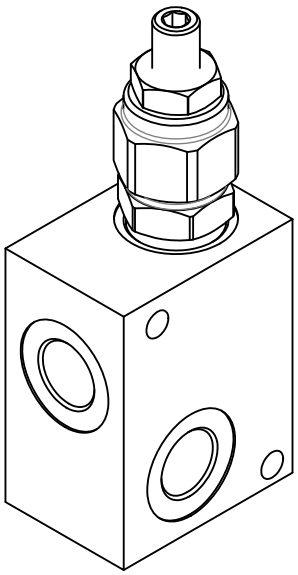
Adjustments

A		Socket Screw

Ordering Code Example: **PRL200230A** - 3/8 BSP - 50-350 bar setting range, Socket screw adjustment.

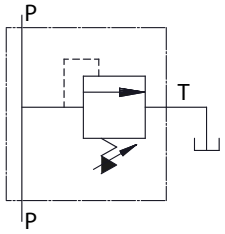
Dimensions



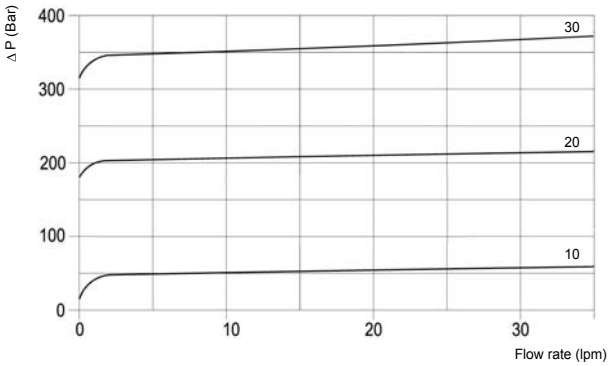


Size	A	B	C	D	E	F	G	H	L	M BSP	N	Q	S	Weight kg
02	65	51	17	24	20	50	6	6,5	34	3/8	6	53	35	0,40
03	65	51	17	24	20	50	6	6,5	34	1/2	6	53	35	0,38

Hydraulic Symbol



Curves



Features

Rated Flow	35 lpm
Max Pressure	350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

PRL 35	- -	- -	-

Port Size BSP

02	3/8
03	1/2

Spring (bar)

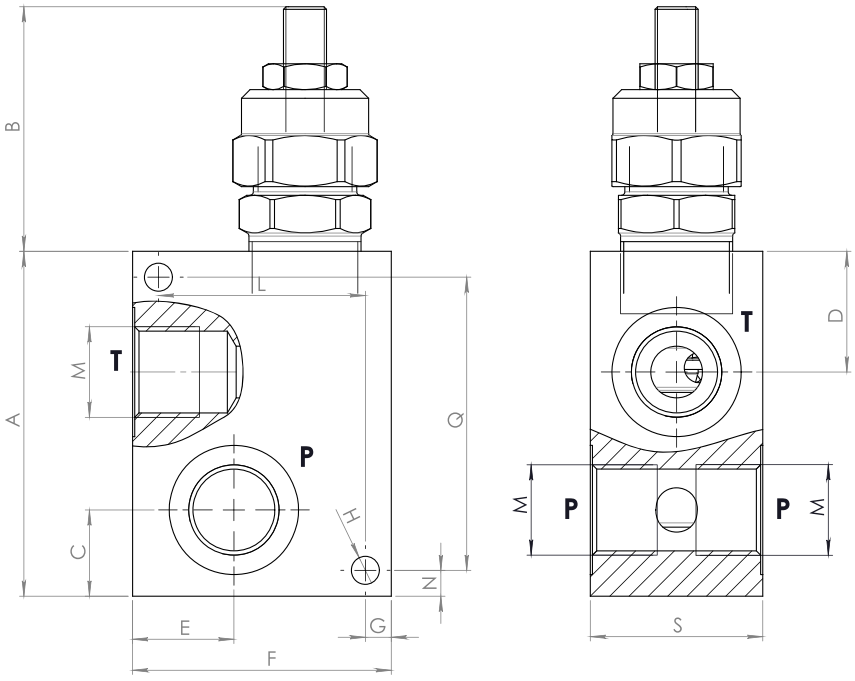
10	5-50
20	40-210
30	100-350

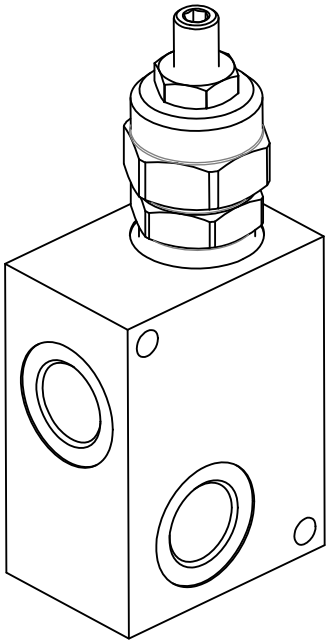
Adjustments

A		Socket Screw
B		Handknob
C		Tamperproof Cap

Ordering Code Example: PRL350220A = 3/8 Port Size - 40-210 bar setting range, Socket screw adjustment.

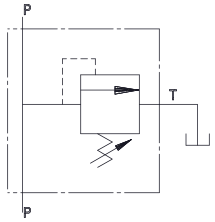
Dimensions



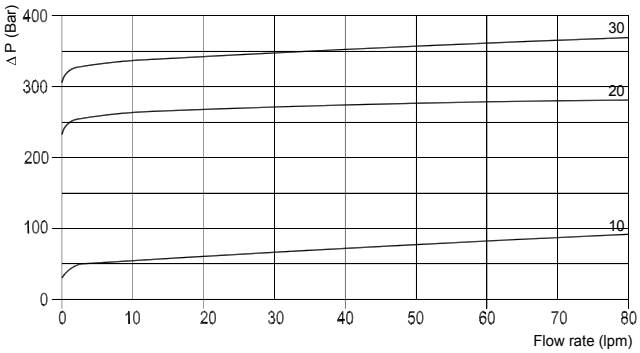


Size	A	B max	C	D	E	F	G	H	L	M BSP	N	Q	S	Weight kg
03	80	57	20	28	23,5	60	6	6,5	48	1/2	6	68	40	0,70
04	80	57	20	28	23,5	60	6	6,5	48	3/4	6	68	40	0,67

Hydraulic Symbol



Curves



Features

Rated Flow	80 lpm
Max Pressure	350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

PRL 80	- -	- -	-

Port Size BSP

03	1/2
04	3/4

Spring (bar)

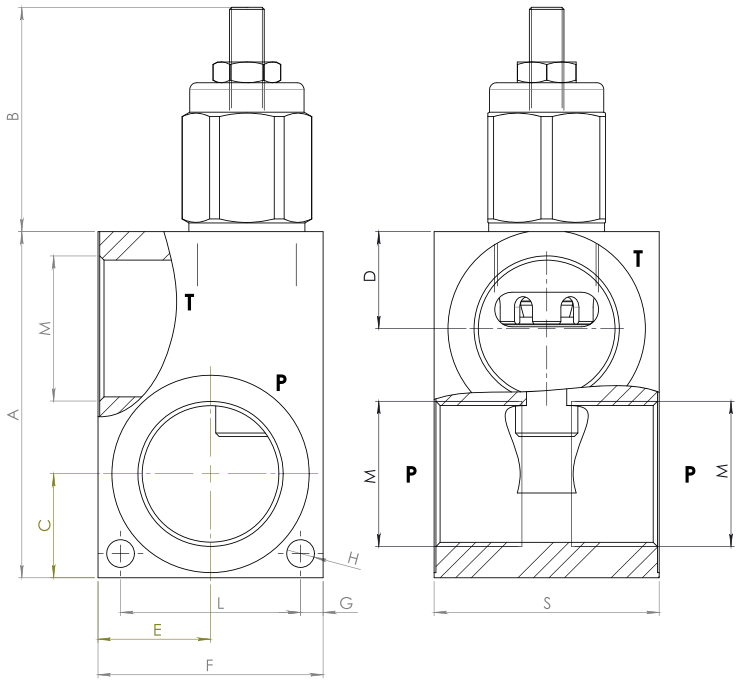
10	5-50
20	30-260
30	130-350

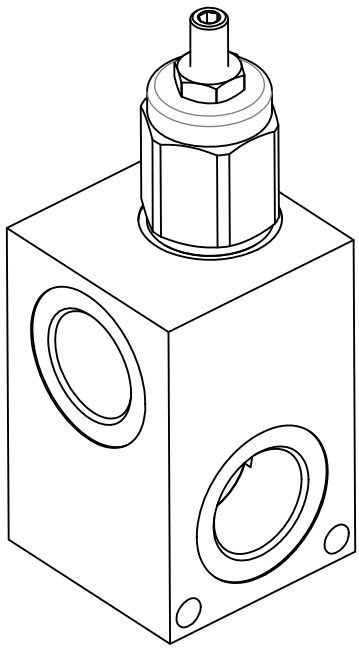
Adjustments

A		Socket Screw
B		Handknob
C		Tamperproof Cap

Ordering Code Example: PRL800420A = 3/4 Port Size - 30-260 bar setting range, Socket screw adjustment.

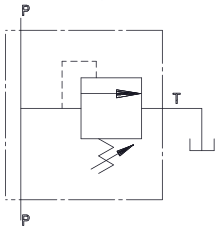
Dimensions



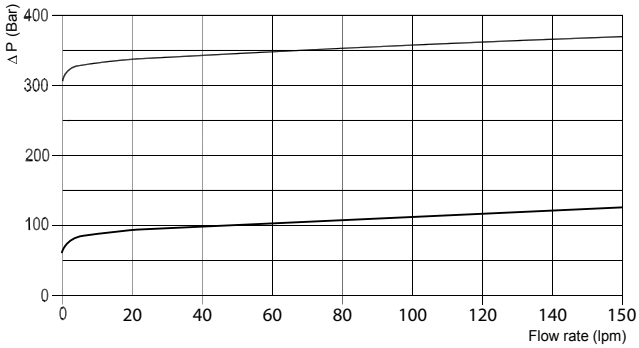


Size	A	B max	C	D	E	F	G	H	L	M BSP	N	S	Weight kg
05	100	65	30	28	32,5	65	6,5	8	52	1	7	65	2,86
06	100	65	30	28	32,5	65	6,5	8	52	1 1/4	7	65	2,54

Hydraulic Symbol



Curves



Features

Rated Flow	150 lpm
Max Pressure	350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Steel manifold.

Ordering Code

PRL 150	- -	- -	-

Port Size BSP

05	1
06	1 1/4

Spring (bar)

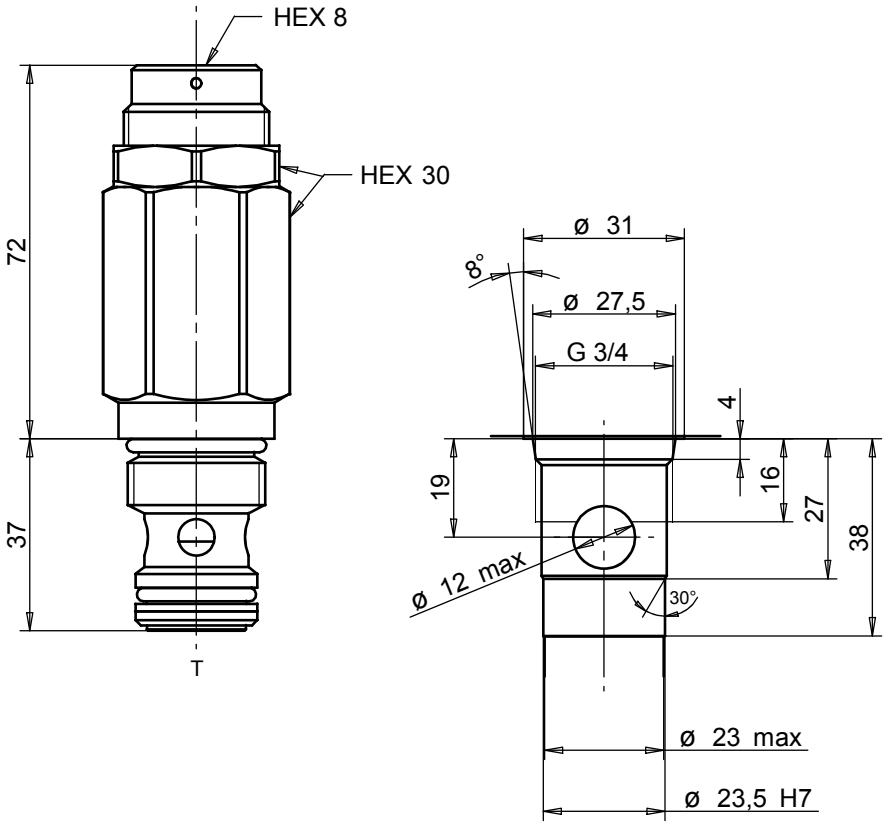
10	5-120
30	50-350

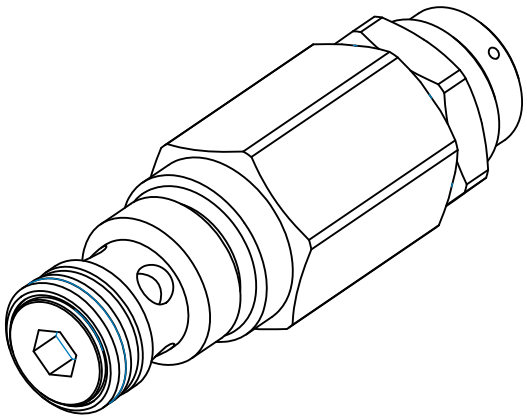
Adjustments

A		Socket Screw
B		Handknob
C		Tamperproof Cap

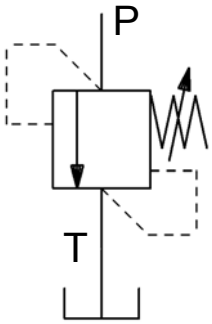
Ordering Code Example: PRL1500530A = 1 BSP Port Size - 50-350 bar setting range, Socket screw adjustment.

Dimensions

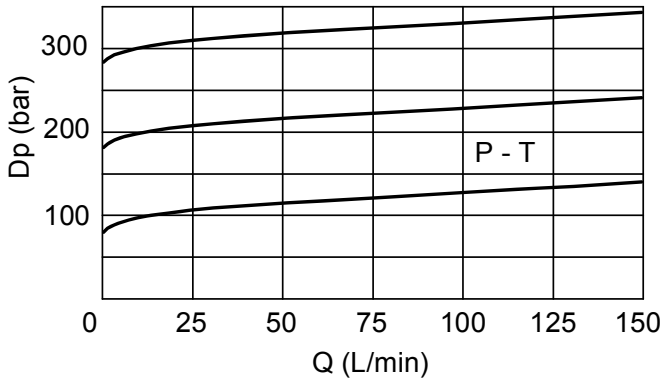




Hydraulic Symbol



Curves



Features

Max Flow	150 lpm
Max Pressure	350 bar
Installation torque	150-160 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts.

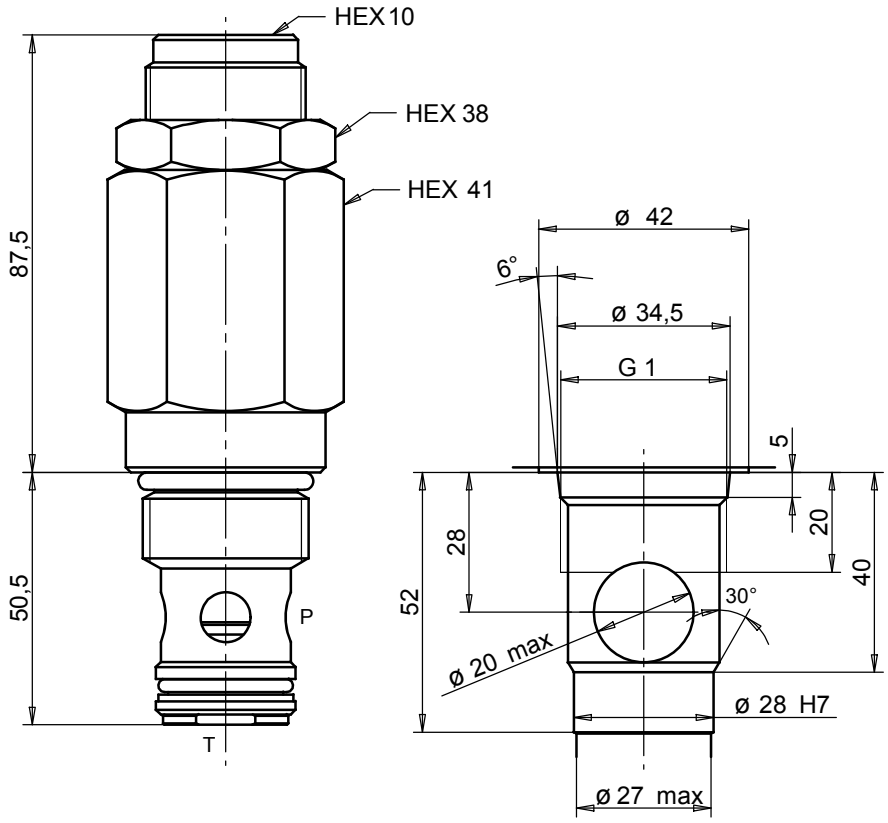
Ordering Code

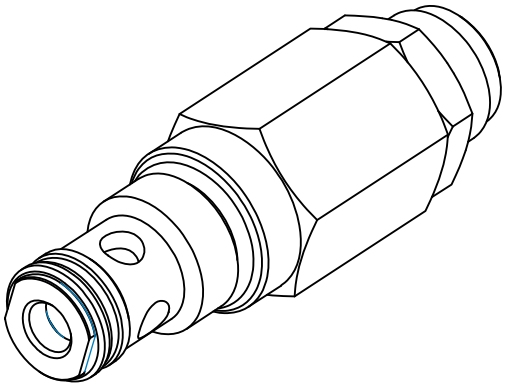
PRCD 150	- -

	Spring (bar)
30	100-350

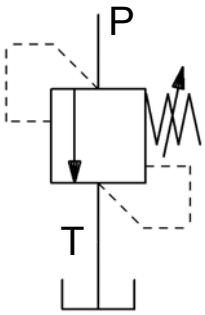
Ordering Code Example: **PRCD15030** = 100-350 bar setting range.

Dimensions

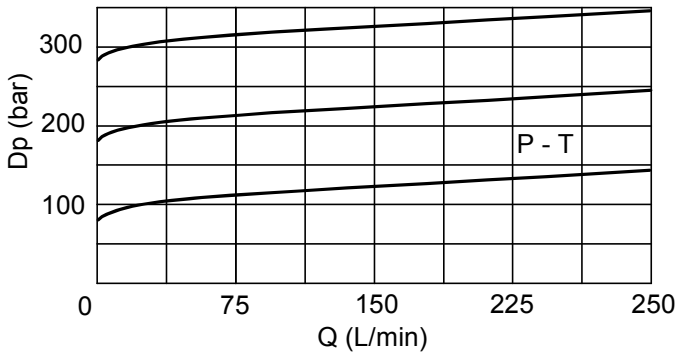




Hydraulic Symbol



Curves



Features

Max Flow	240 lpm
Max Pressure	350 bar
Installation torque	200-230 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts.

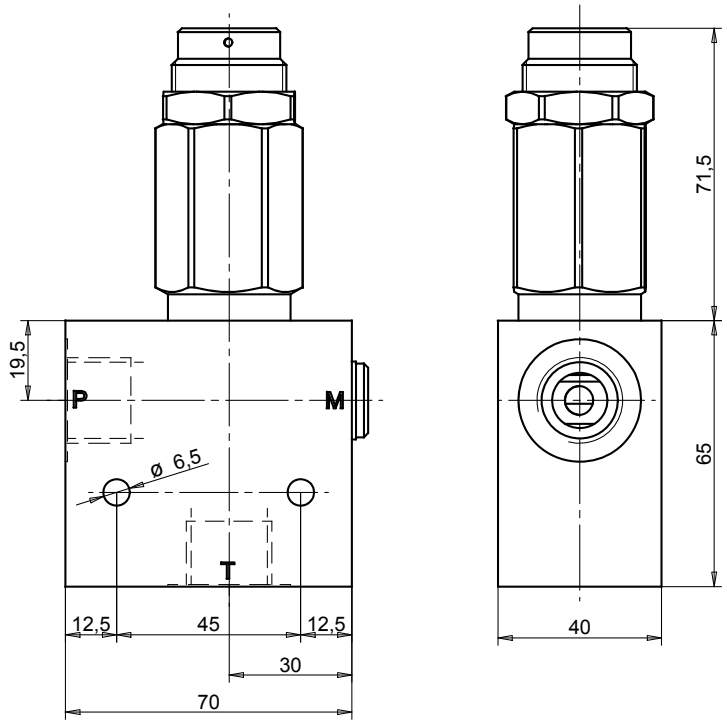
Ordering Code

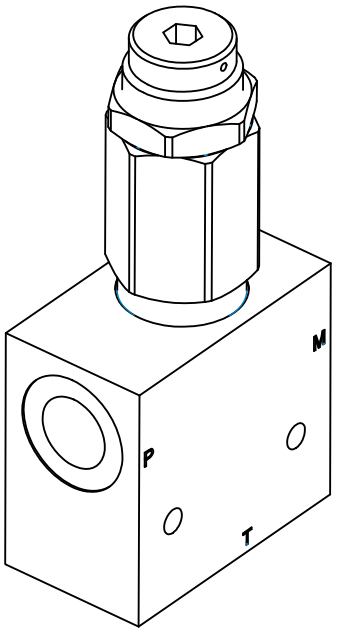
PRCD 250 **- -**

	Spring (bar)
30	120-350

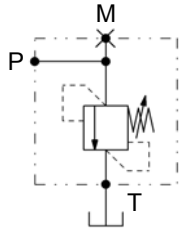
Ordering Code Example: **PRCD25030** = 120-350 bar setting range.

Dimensions

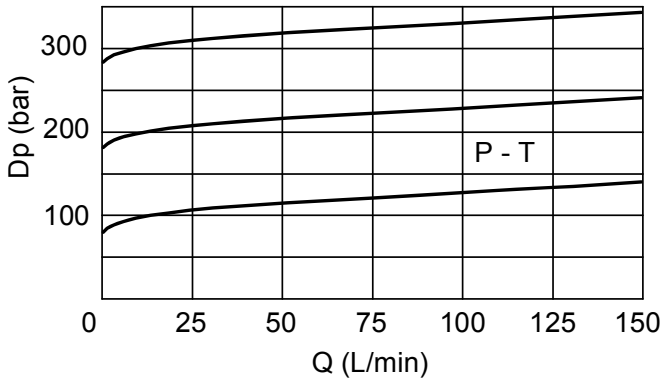




Hydraulic Symbol



Curves



Features

Max Flow	150 lpm
Max Pressure	350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

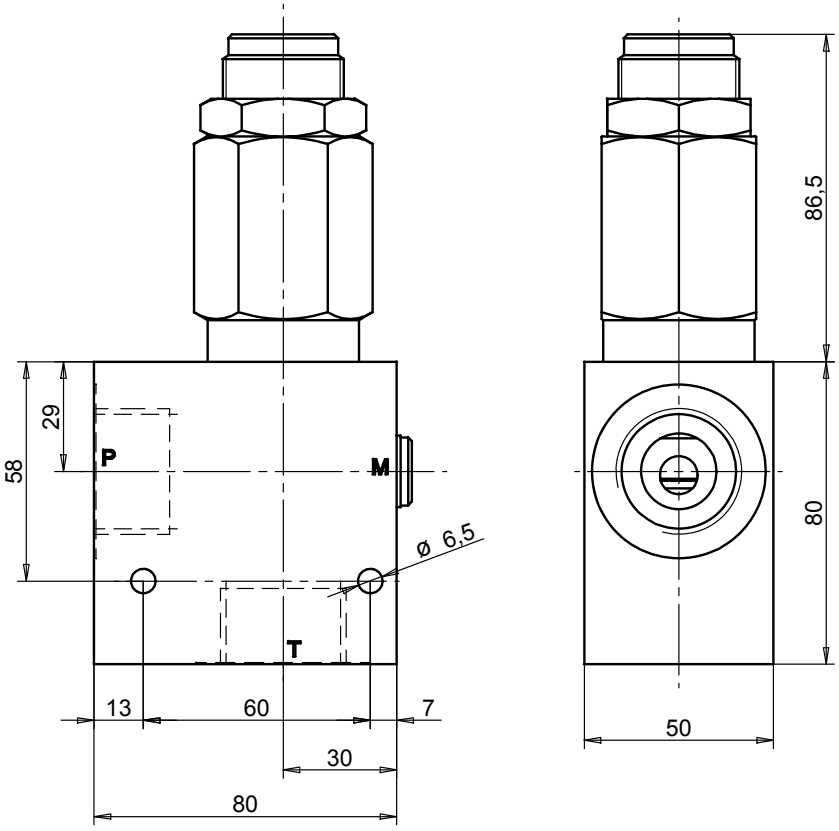
PRCDL 150	- -	- -

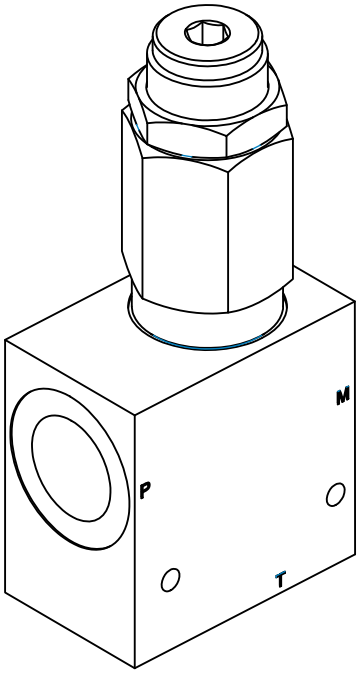
Port Size BSP	
03	1/2
04	3/4

Spring (bar)	
30	100-350

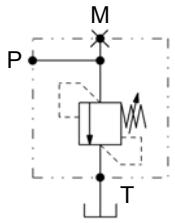
Ordering Code Example: **PRCDL1500430** = 3/4 Port Size - 100-350 bar setting range.

Dimensions

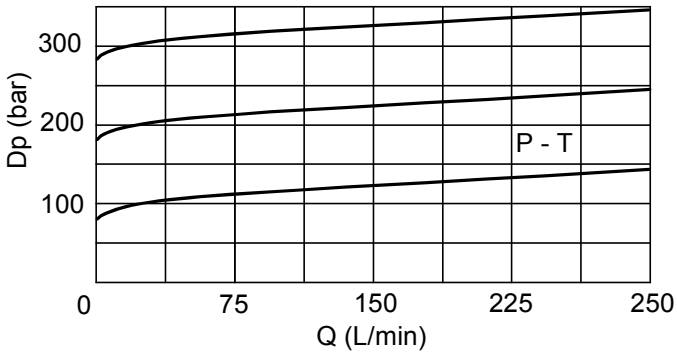




Hydraulic Symbol



Curves



Features

Max Flow	240 lpm
Max Pressure	350 bar
Installation torque	150-160 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

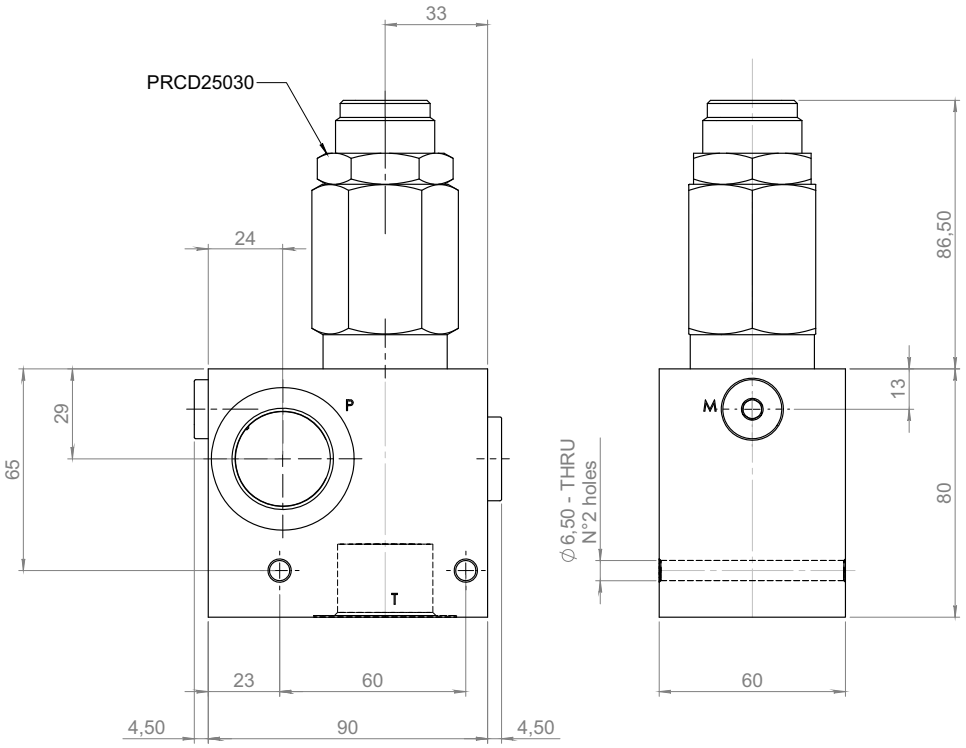
PRCDL 250	- -	- -

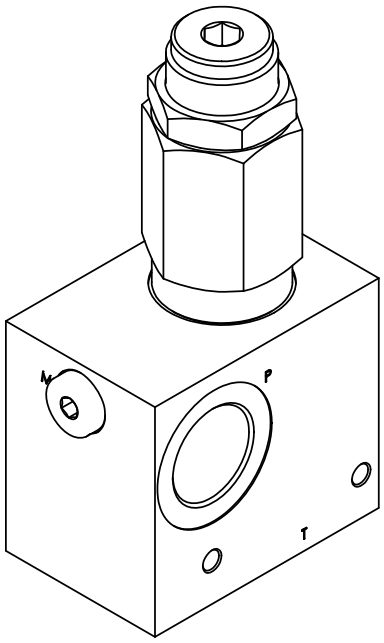
Port Size BSP	
04	3/4
05	1

Spring (bar)	
30	120-350

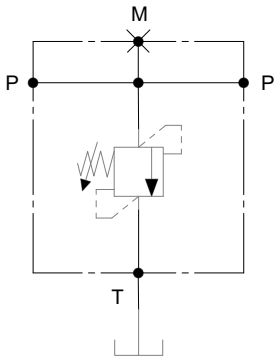
Ordering Code Example: PRCDL2500530 = 1" Port Size - 120-350 bar setting range.

Dimensions

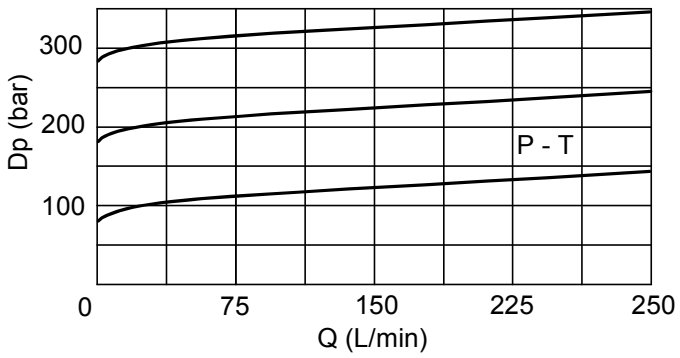




Hydraulic Symbol



Curves



Features

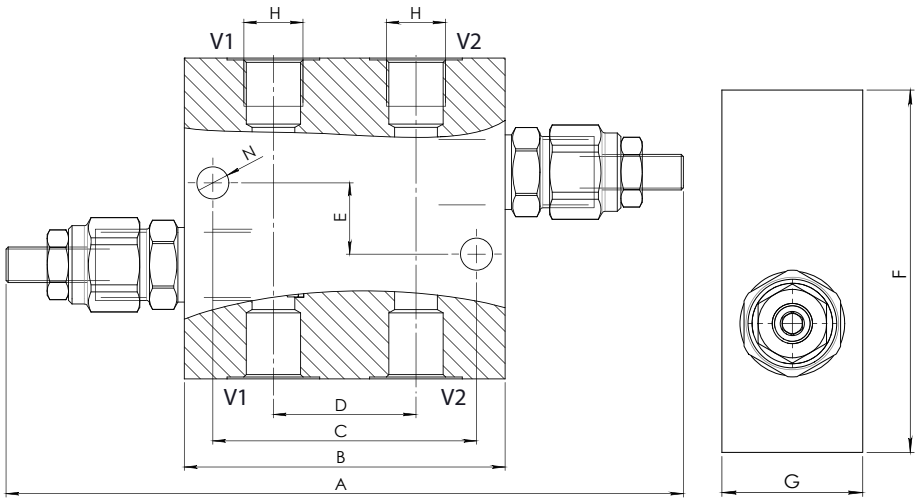
Max Flow	240 lpm
Max Pressure	350 bar
Pressure setting range	120 ÷ 350 bar
Port Sizes	P-T = G 1 BSP M = G 1/4 BSP

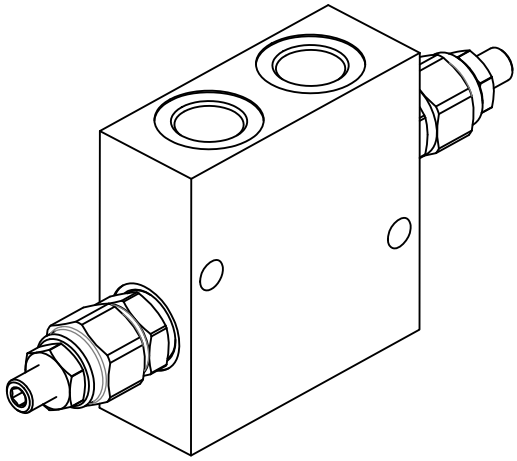
Materials: Aluminium body.

Ordering Code

PRCDLT2500530

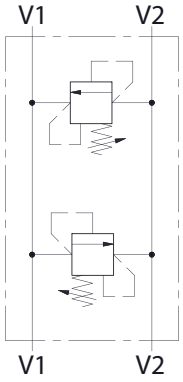
Dimensions



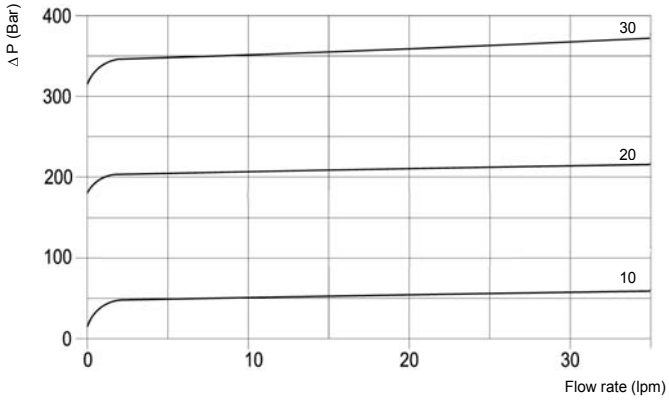


Size	A	B	C	D	E	F	G	H BSP	N	Weight kg
02	190	90	74	40	20	90	35	3/8	9	0,95
03	190	90	74	40	20	90	35	1/2	9	0,93

Hydraulic Symbol



Curves



Features

Rated Flow	35 lpm
Max Pressure	350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

DPRL 35	- -	- -	-

Port Size BSP

02	3/8
03	1/2

Spring (bar)

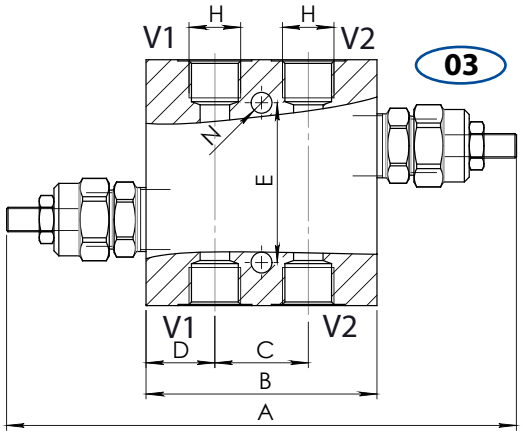
10	5-50
20	40-210
30	100-350

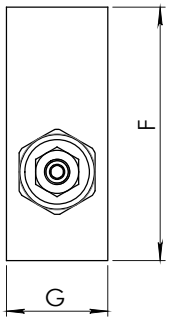
Adjustments

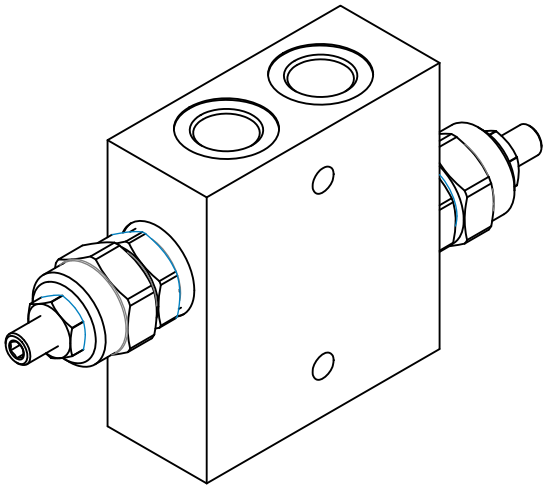
A		Socket Screw
B		Handknob
C		Tamperproof Cap

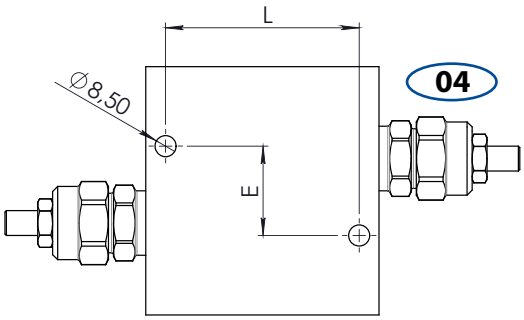
Ordering Code Example: DPRL350220A = 3/8 Port Size - 40-210 bar setting range, Socket screw adjustment.

Dimensions



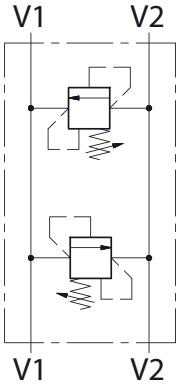




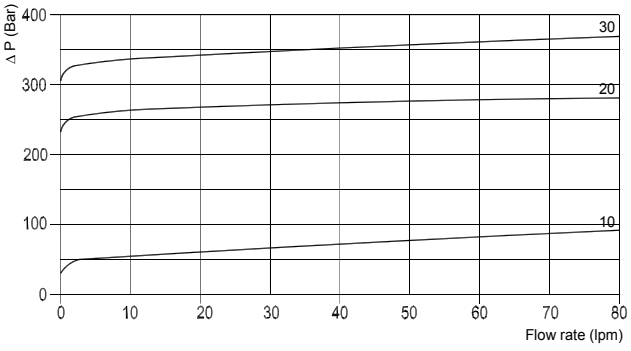


Size	A max	B	C	D	E	F	G	H BSP	L	N	Weight kg
03	207	94	38	28	65	100	40	1/2	-	8,5	1,41
04	207	94	38	28	36	100	40	3/4	78	8,5	1,36

Hydraulic Symbol



Curves



Features

Rated Flow	80 lpm
Max Pressure	260 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

DPRL 80	- -	- -	-

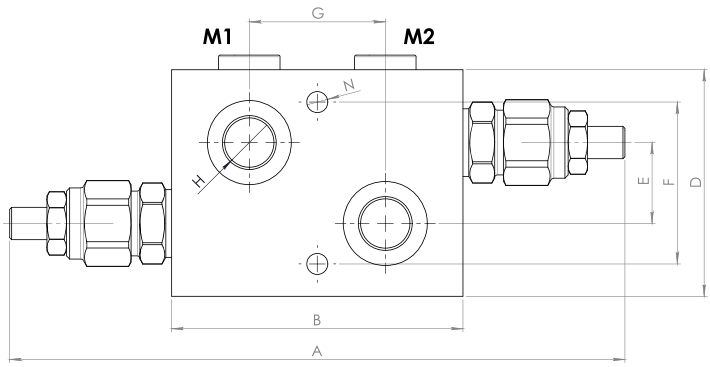
Port Size BSP	
03	1/2
04	3/4

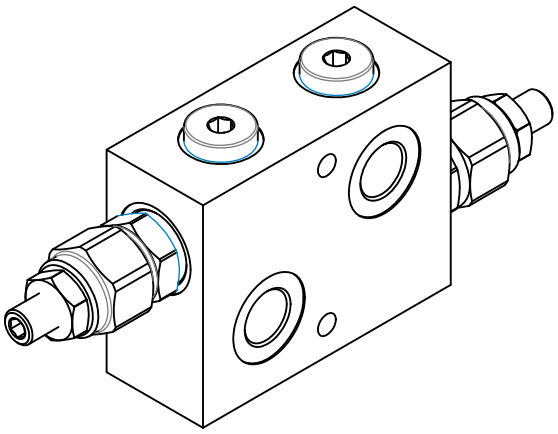
Spring (bar)	
10	5-50
20	30-260
30	130-350

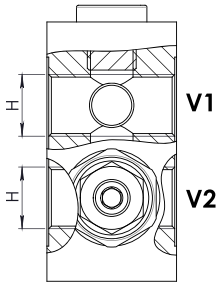
Adjustments		
A		Socket Screw
B		Handknob
C		Tamperproof Cap

Ordering Code Example: DPRL800320A = 1/2 Port Size - 40-210 bar setting range, Socket screw adjustment.

Dimensions

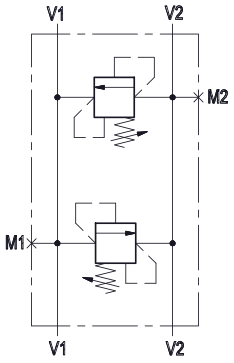




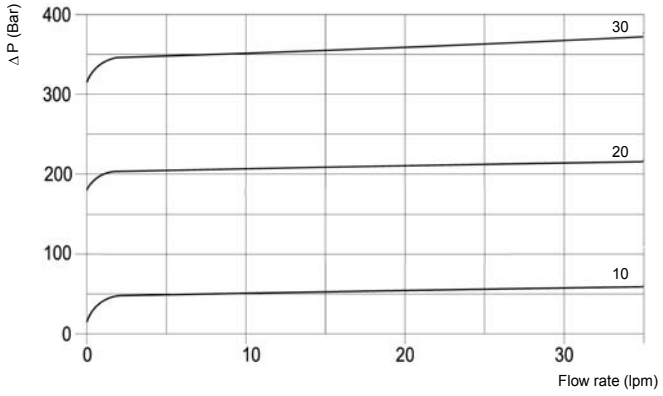


Size	A max	B	C	D	E	F	G	H BSP	M1 BSP	M2 BSP	N	Weight kg
02	190	90	35	70	25	50	42	3/8	1/4	1/4	6,5	0,84
03	190	90	35	70	25	50	42	1/2	1/4	1/4	6,5	0,82

Hydraulic Symbol



Curves



Features

Rated Flow	35 lpm
Max Pressure	350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

DPRF 35	- -	- -	-

Port Size BSP

02	3/8
03	1/2

Spring (bar)

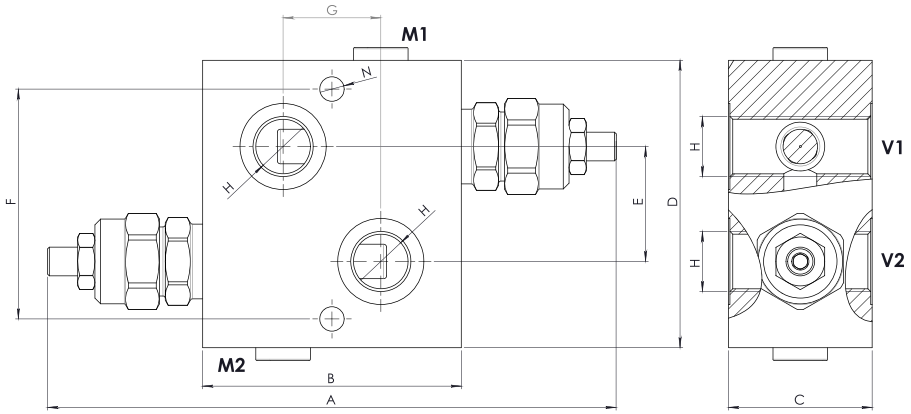
10	5-50
20	40-210
30	100-350

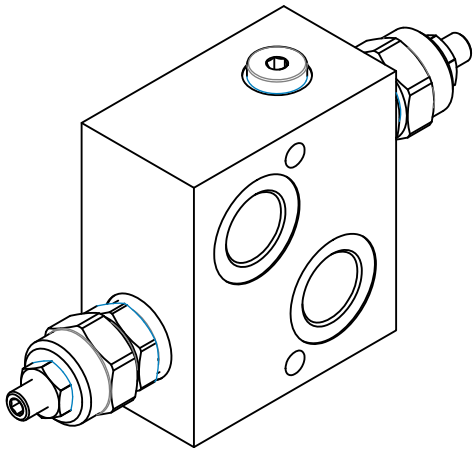
Adjustments

A		Socket Screw
B		Handknob
C		Tamperproof Cap

Ordering Code Example: DPRF350220A = 3/8 Port Size - 40-210 bar setting range, Socket screw adjustment.

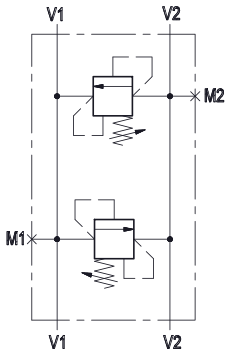
Dimensions



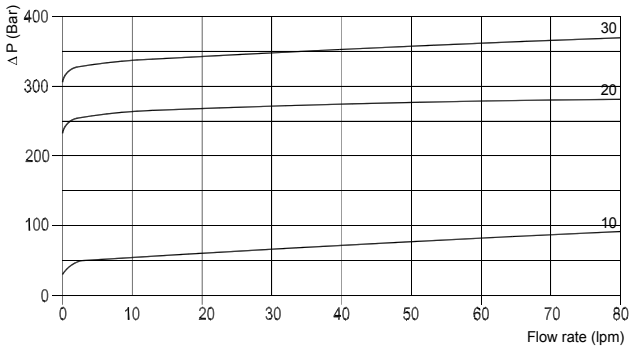


Size	A max	B	C	D	E	F	G	H BSP	M1 BSP	M2 BSP	N	Weight kg
03	198	90	50	100	40	80	32	1/2	1/4	1/4	8,5	1,64
04	198	90	50	100	40	80	32	3/4	1/4	1/4	8,5	1,59

Hydraulic Symbol



Curves



Features

Rated Flow	80 lpm
Max Pressure	260 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

DPRF 80	- -	- -	-

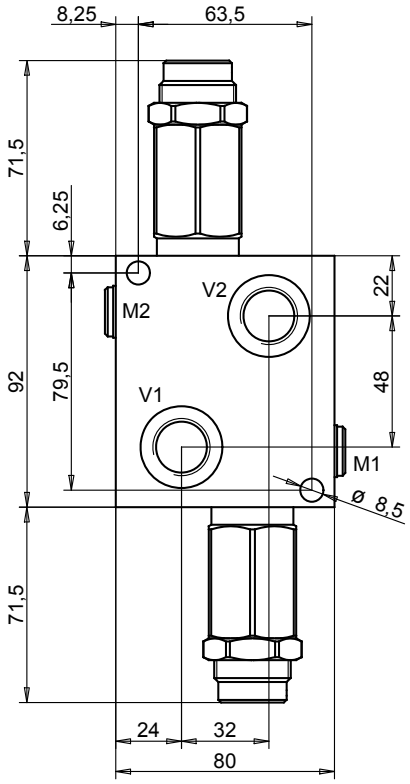
Port Size BSP	
03	1/2
04	3/4

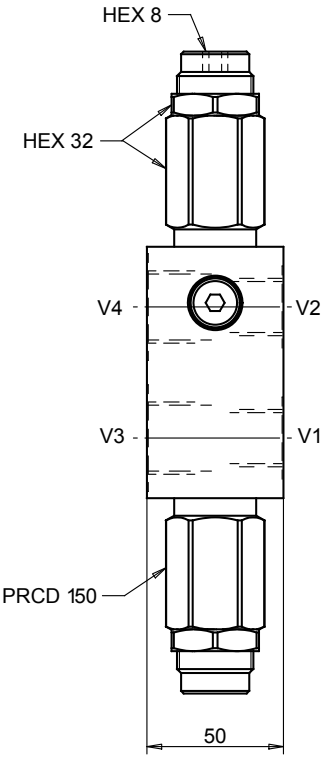
Spring (bar)	
10	5-50
20	30-260
30	130-350

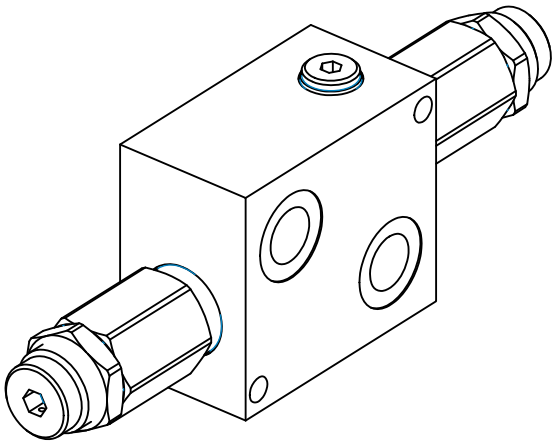
Adjustments		
A		Socket Screw
B		Handknob
C		Tamperproof Cap

Ordering Code Example: DPRF800320A = 1/2 Port Size - 40-210 bar setting range, Socket screw adjustment.

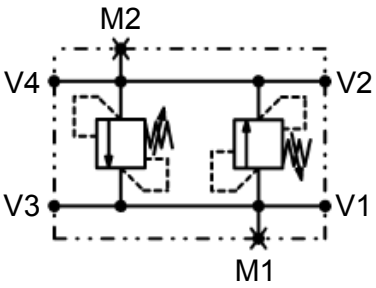
Dimensions



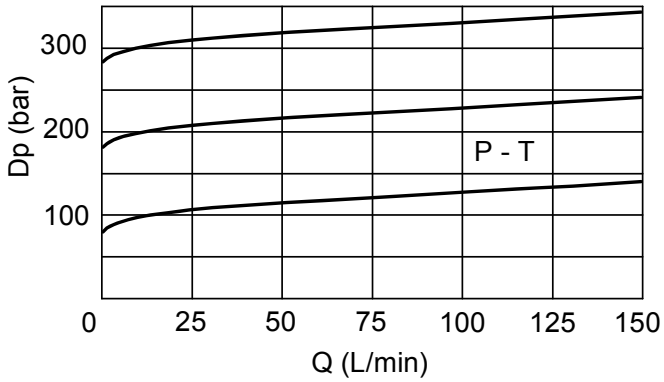




Hydraulic Symbol



Curves



Features

Max Pressure	270 bar
Max Flow	150 lpm
Ports	V1-V2: G 1/2 V3-V4: G 3/4 M1-M2: G 1/4

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

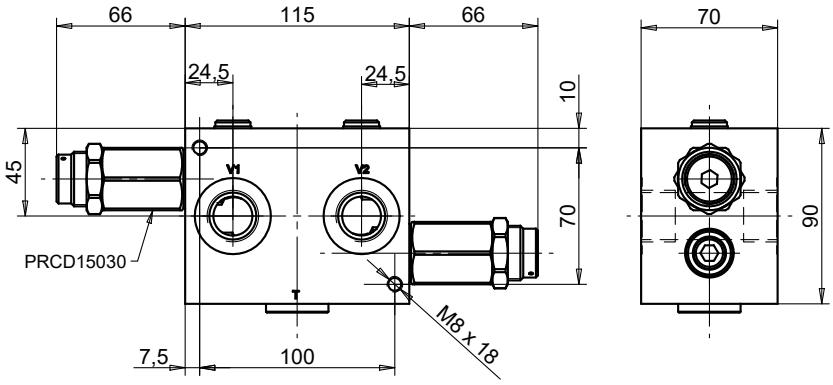
Ordering Code

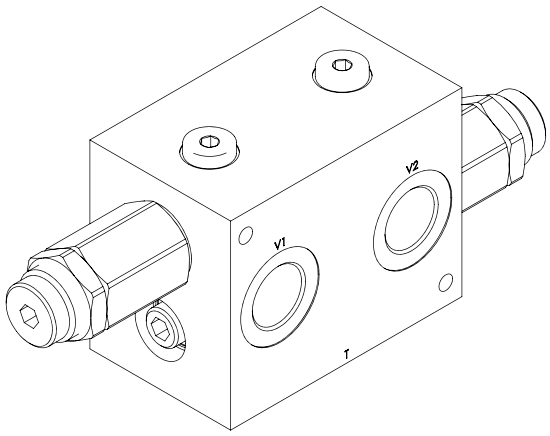
DPCDIH 0304	- -

	Spring (bar)
30	100-350

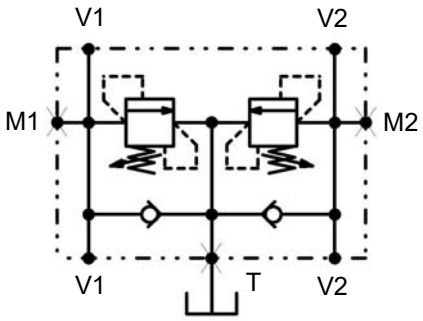
Ordering Code Example: **DPCDIH030430** = 100-350 bar setting range.

Dimensions

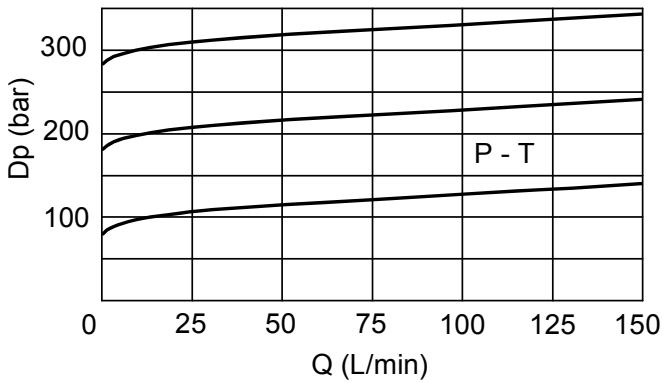




Hydraulic Symbol



Curves



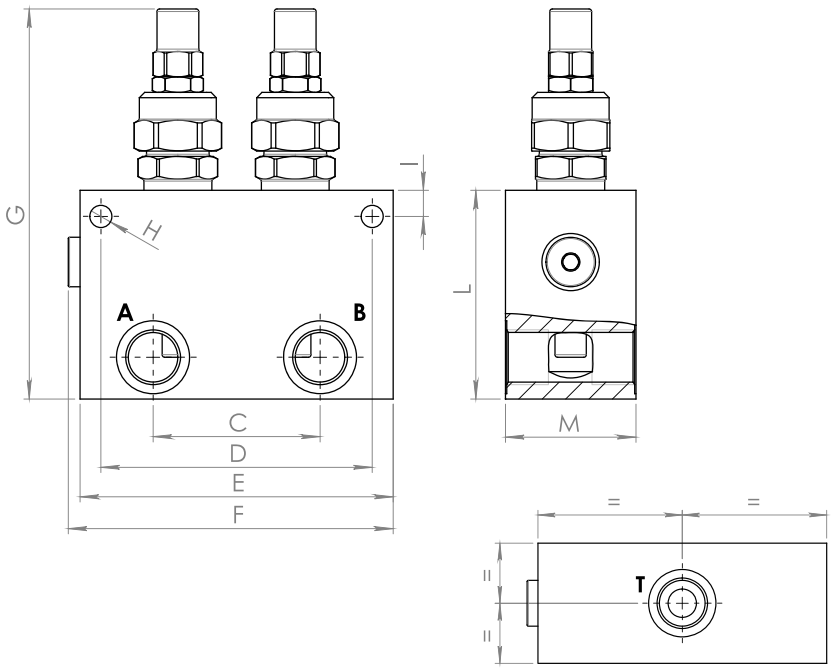
Features

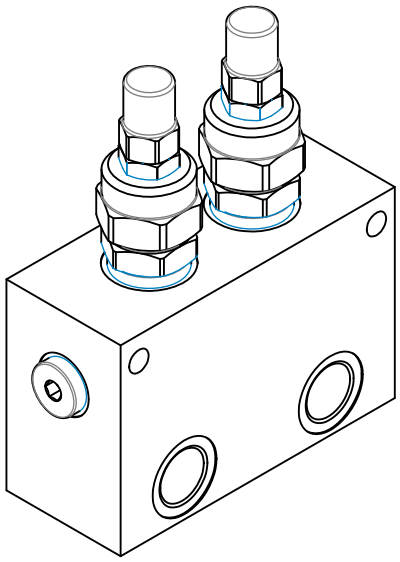
Max Flow	150 lpm
Max Pressure	350 bar
Pressure setting range	120 ÷ 350 bar
Ports	V1-V2: G 3/4 T: G 3/4 M1-M2: G 1/4

Ordering Code

DPCDACOC0430

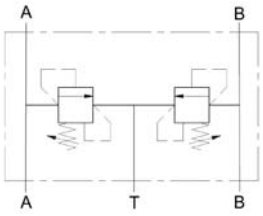
Dimensions



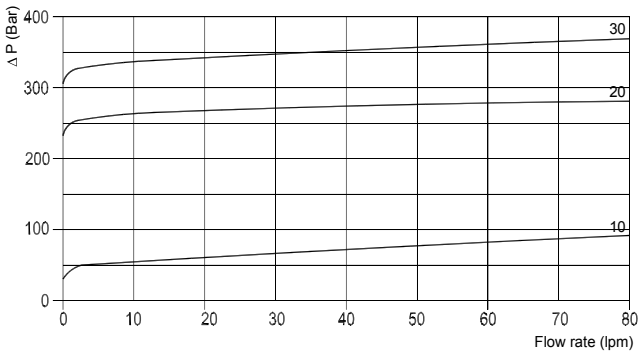


Size	A-B-T	C	D	E	F	G	H	I	L	M	Weight kg
03	1/2	64	104	120	124,5	149,5	8,5	10	80	50	1,78

Hydraulic Symbol



Curves



Features

Rated Flow	80 lpm
Max Pressure	260 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

DPRSU 80	- -	- -	-

Port Size BSP

03	1/2

Spring (bar)

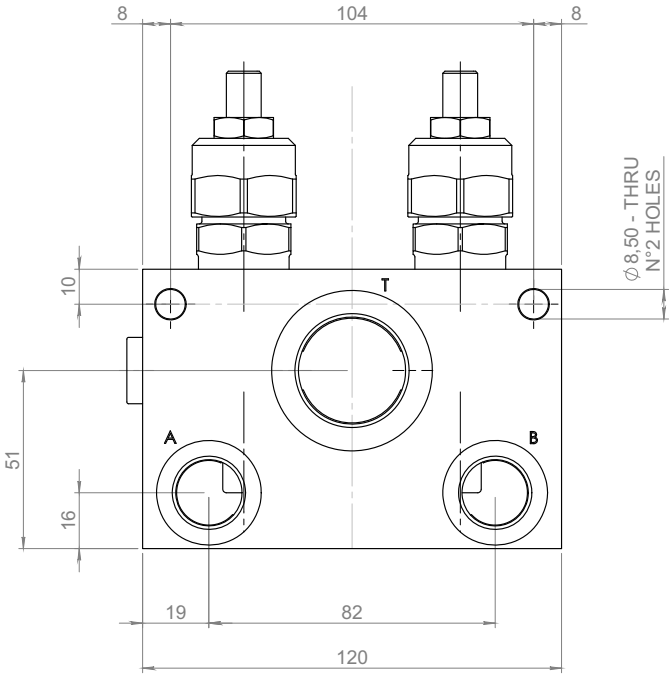
10	5-50
20	30-260
30	130-350

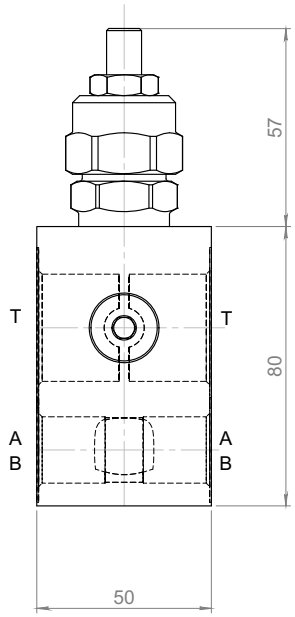
Adjustments

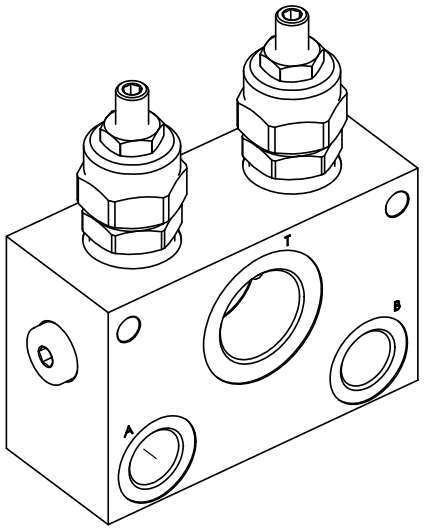
A		Socket Screw
C		Tamperproof Cap

Ordering Code Example: **DPRSU800320A** = 1/2 Port Size - 30-260 bar setting range, Socket screw adjustment.

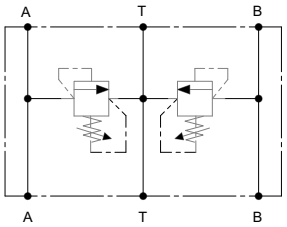
Dimensions



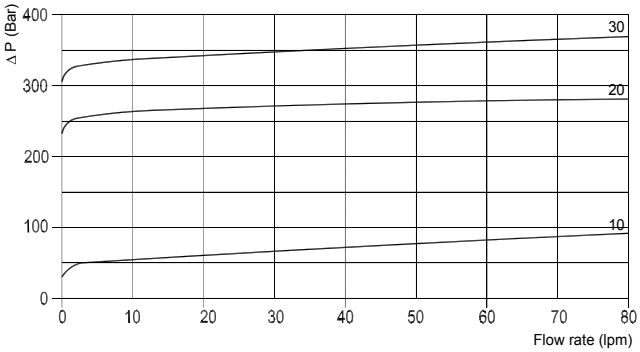




Hydraulic Symbol



Curves



Features

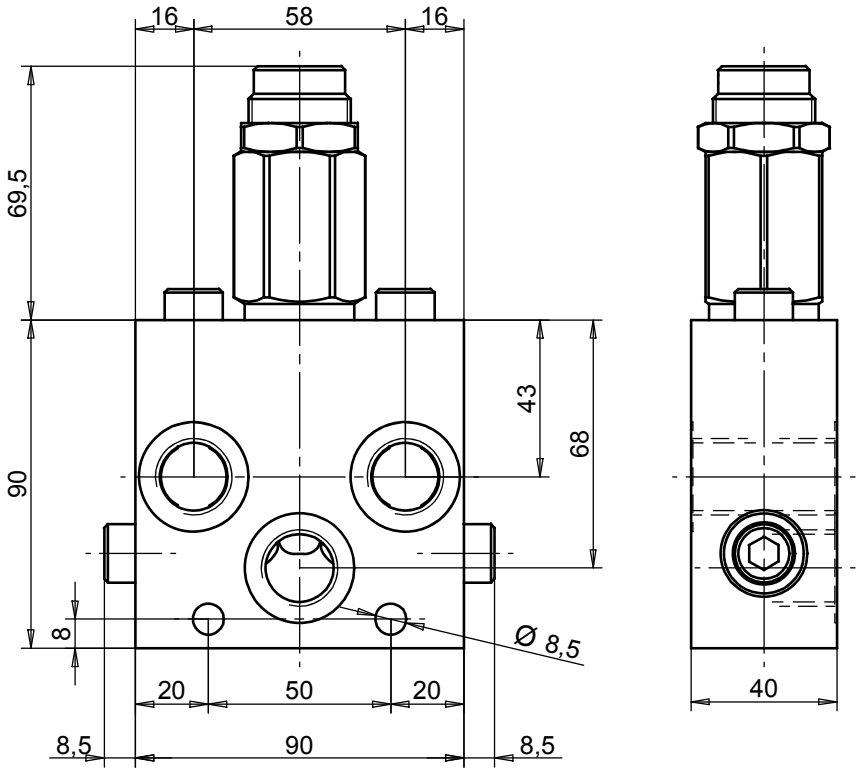
Max Flow	80 lpm
Max Pressure	260 bar
Pressure setting range	120 ÷ 350 bar
Port Sizes	A - B = G1/2 BSP T = G 1 BSP

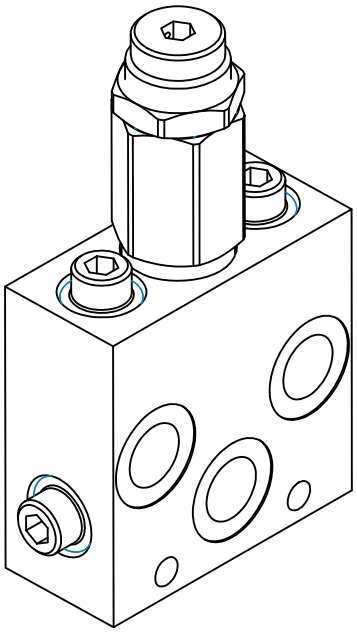
Materials: Aluminium body.

Ordering Code

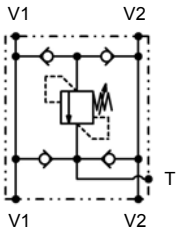
DPRSUT800330A

Dimensions

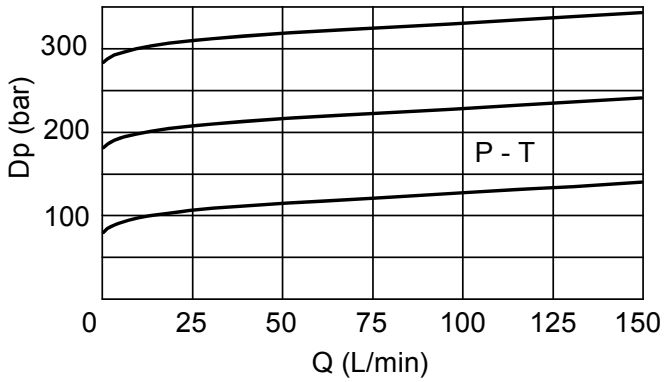




Hydraulic Symbol



Curves



Features

Max Pressure	280 bar
Max Flow	60 lpm
Ports	V1-V2: G 1/2 T: G 1/2

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

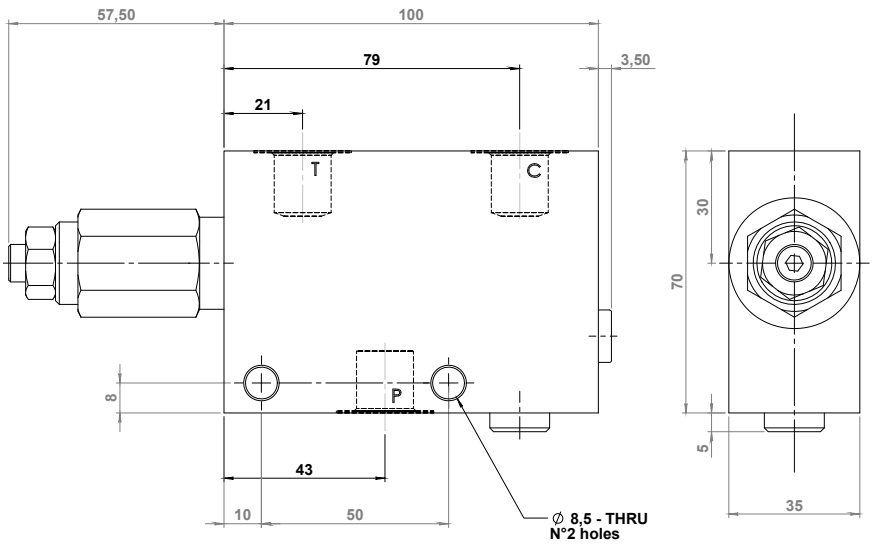
Ordering Code

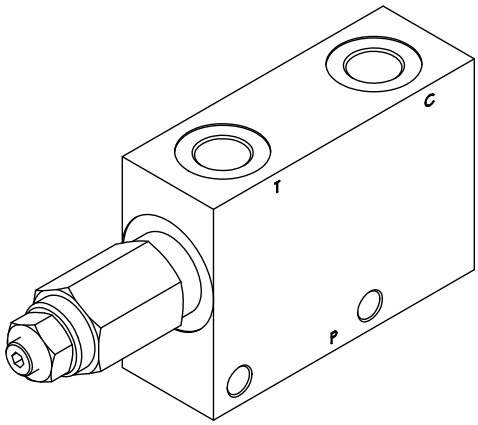
VARUCD 03	- -

	Spring (bar)
30	100-350

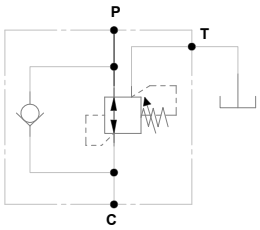
Ordering Code Example: **VARUCD0330** = 100-350 bar setting range.

Dimensions

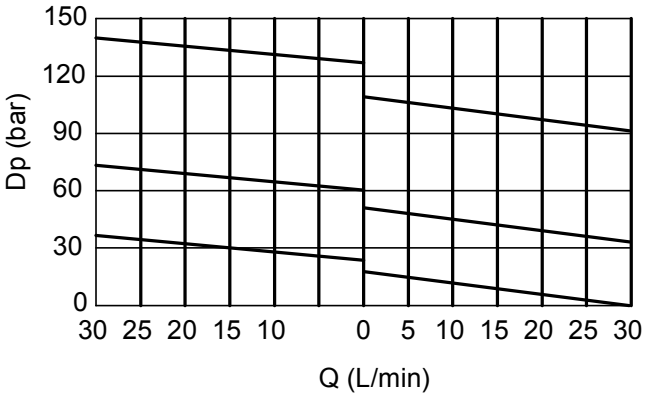




Hydraulic Symbol



Curves



Features

Max Flow	30 lpm
Max Pressure	260 bar
Pressure setting range	10 ÷ 140 bar
Port Sizes	P - C - T: G 3/8 BSP

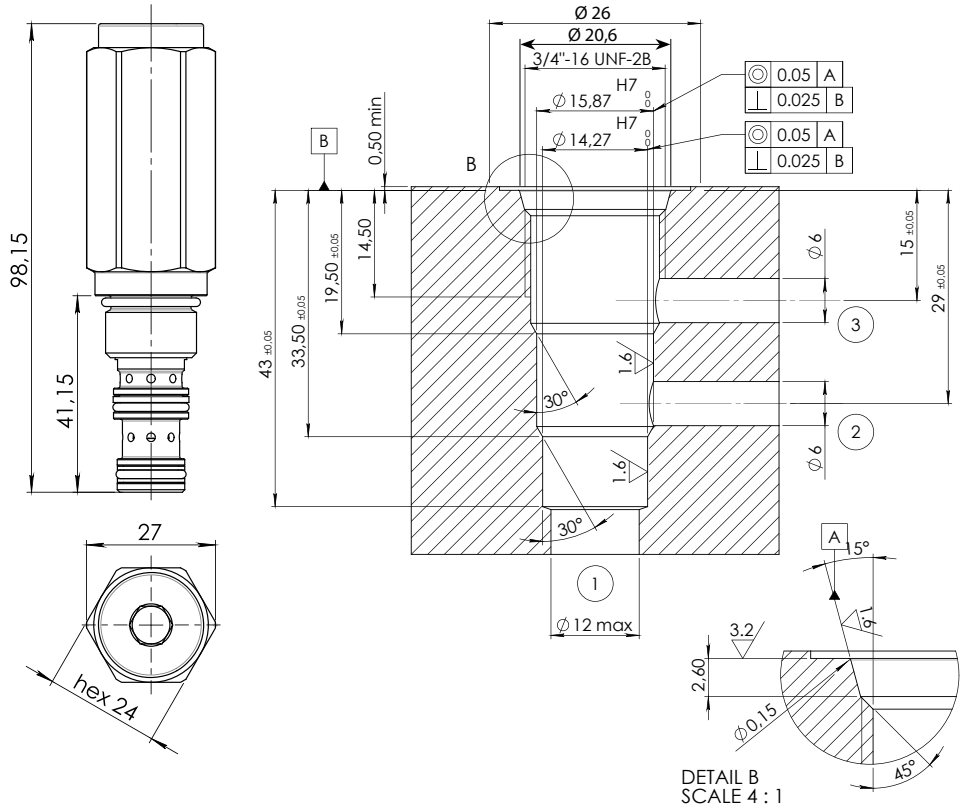
Materials: Aluminium body.

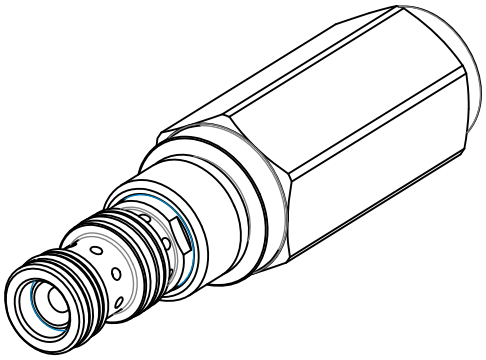
Ordering Code

VARPED02

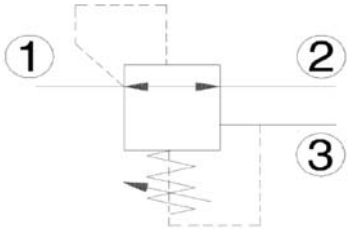
Ordering Code Example: VARPED02 = 3/8 Port Size

Dimensions

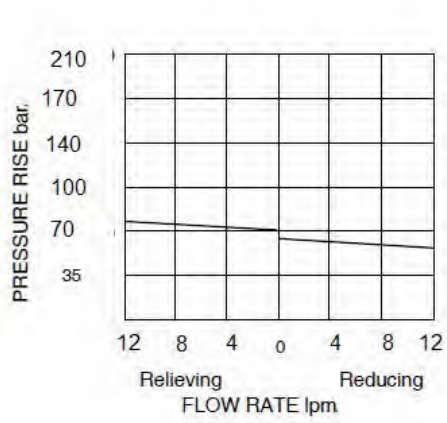




Hydraulic Symbol



Curves



Features

Max Pressure REG	100 bar
Max Pressure IN	350 bar
Max Flow	12 lpm
Installation torque	40-45 Nm

Materials: Zinc plated steel cartridge, hardened steel inner parts.

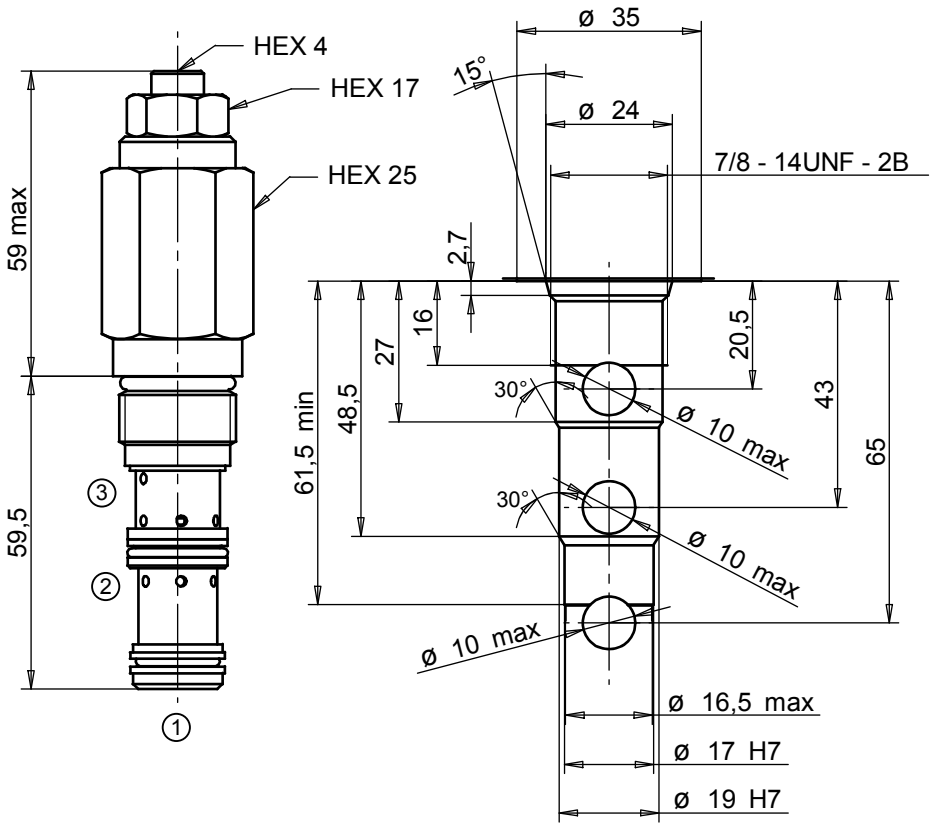
Ordering Code

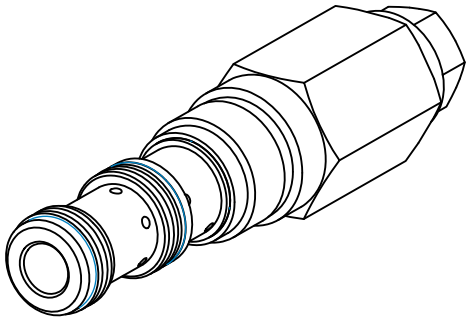
VPRDC02	- -

Pressure setting range (bar)	
10	10-100

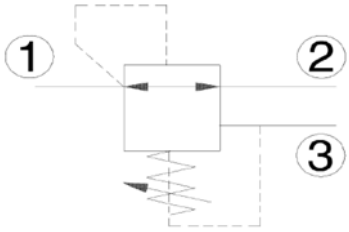
Ordering Code Example: **VPRDC0210** = 10-100 bar setting range.

Dimensions

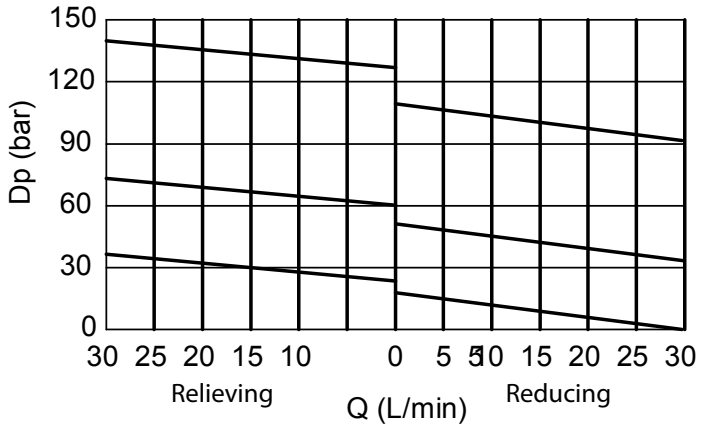




Hydraulic Symbol



Curves



Features

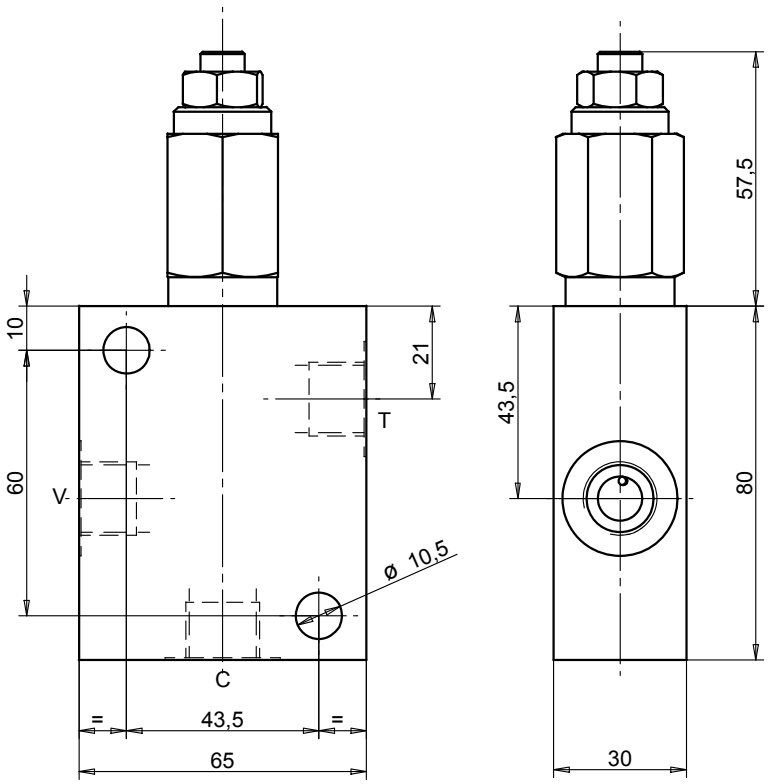
Max Pressure REG	140 bar
Max Pressure IN	350 bar
Max Flow	30 lpm
Installation torque	53-58 Nm

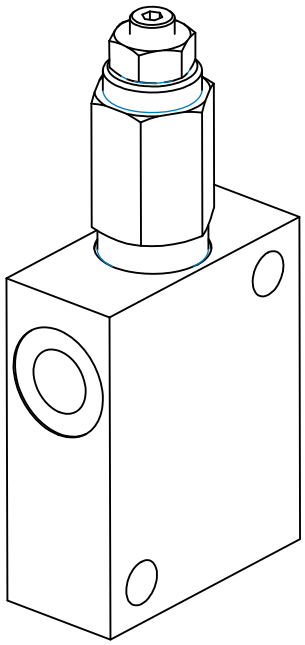
Ordering Code

VPREDC 03

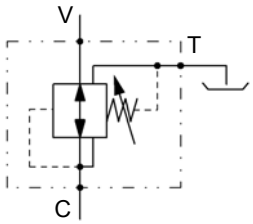
Pressure setting range (bar)	
	10-140

Dimensions

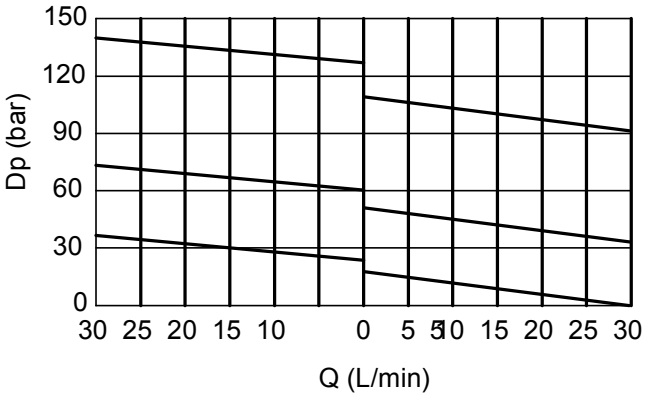




Hydraulic Symbol



Curves



Features

Max Pressure REG	140 bar
Max Pressure IN	350 bar
Max Flow	30 lpm
Pressure setting range	10 ÷ 140 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

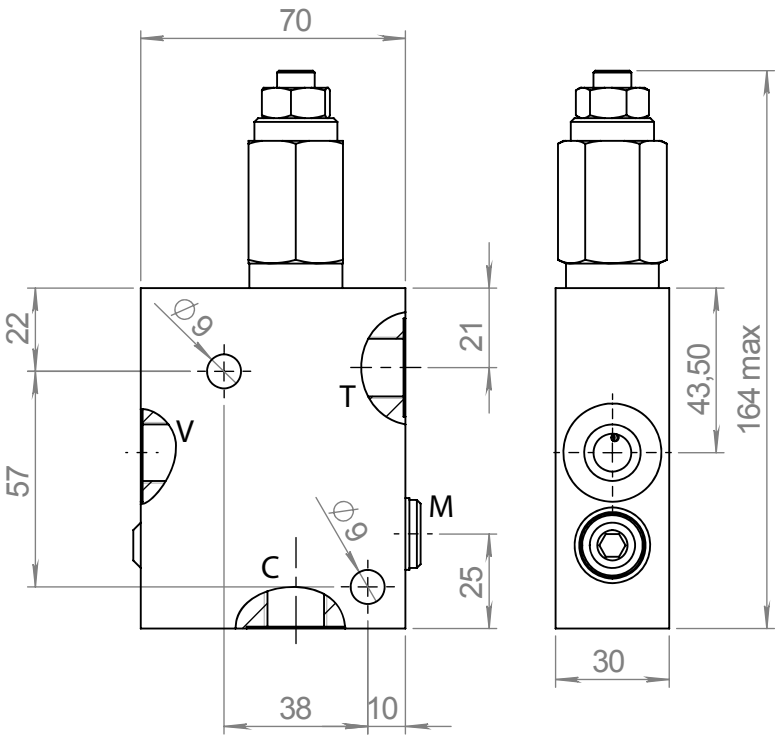
Ordering Code

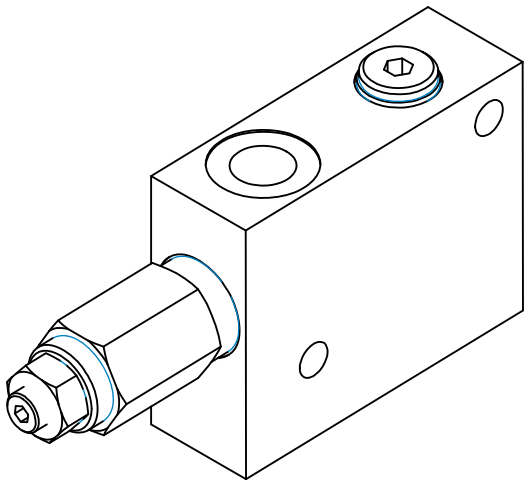
VPREDAD	- -

	Port Size BSP
02	3/8

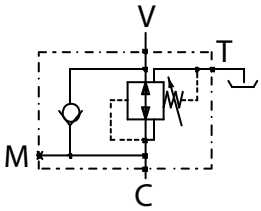
Ordering Code Example: **VPREDAD02** = 3/8 Port Size.

Dimensions

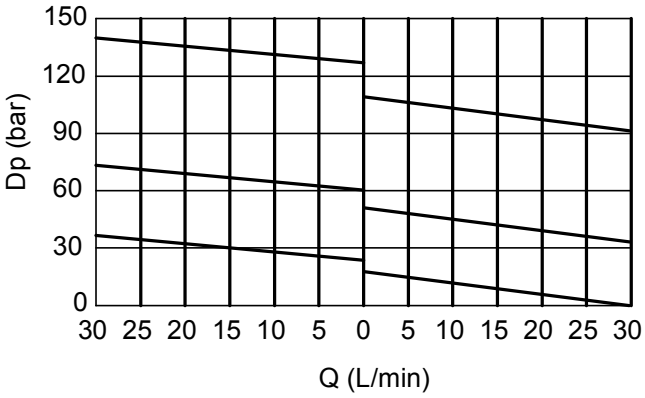




Hydraulic Symbol



Curves



Features

Max Pressure REG	140 bar
Max Pressure IN	350 bar
Max Flow	30 lpm
Pressure setting range	10 ÷ 140 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

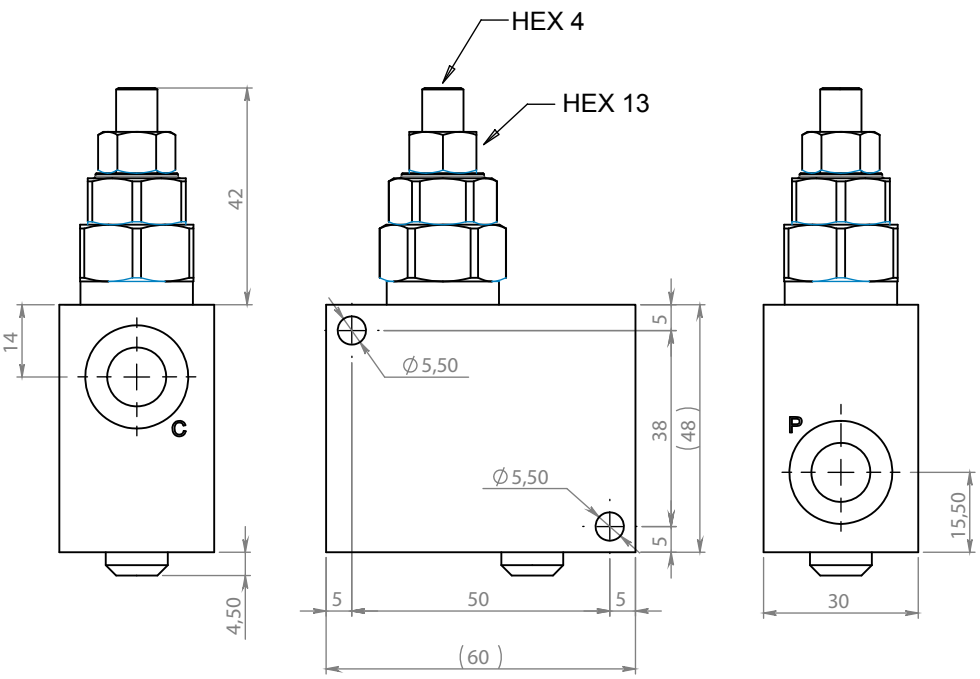
Ordering Code

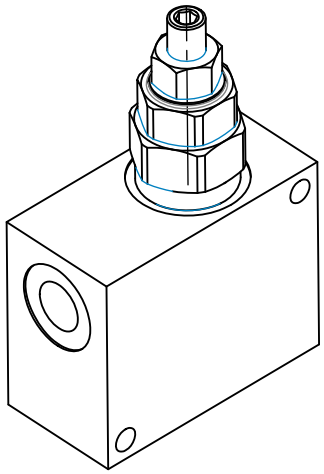
VPREDADRR - -

	Port Size BSP
02	3/8

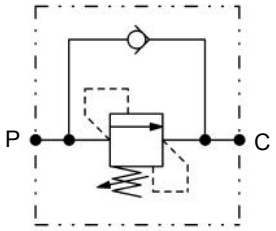
Ordering Code Example: VPREDADRR02 = 3/8 Port Size.

Dimensions

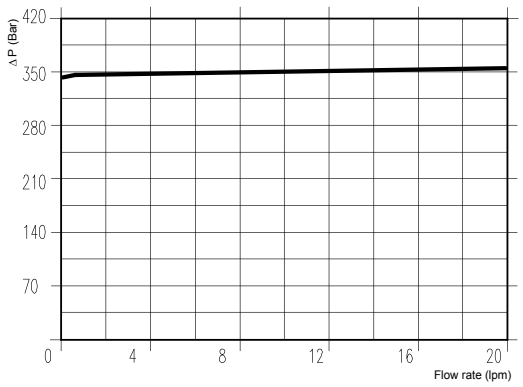




Hydraulic Symbol



Curves



Features

Max Flow (lpm)	20
Max Pressure (bar)	350

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

SV 20	- -	- -	-

Port Size BSP

01	1/4

Spring (bar)

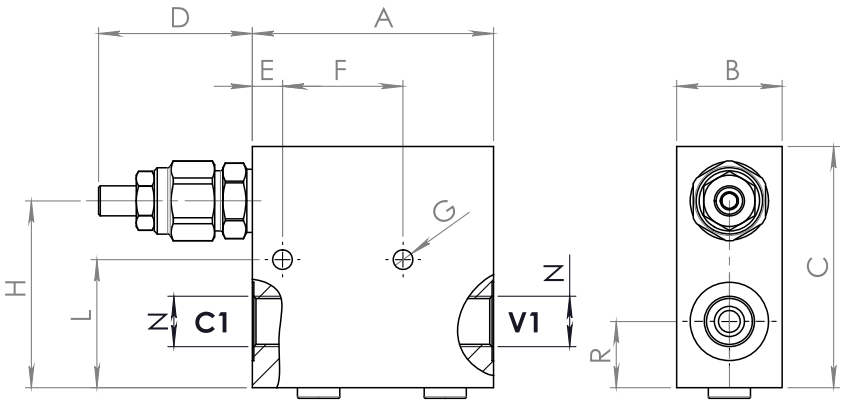
10	5-100
30	50-350

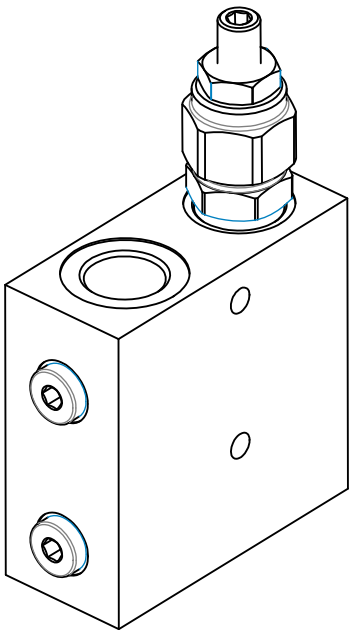
Adjustments

A		Socket Screw

Ordering Code Example: **SV200130A** = 1/4 Port Size - 50-350 bar setting range, Socket screw adjustment.

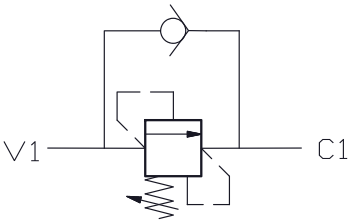
Dimensions



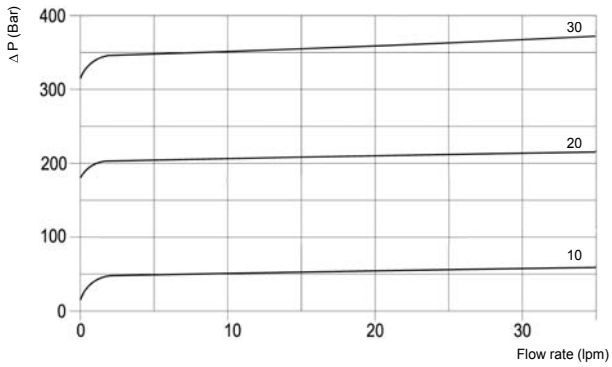


Size	A	B	C	D max	E	F	G	H	L	N BSP	R	Weight kg
02	80	35	80	51	10	40	6,5	62	42,5	3/8	22	0,72
03	80	35	80	51	10	40	6,5	62	42,5	1/2	22	0,710

Hydraulic Symbol



Curves



Features

Rated Flow (lpm)	35
Max Pressure (bar)	260

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

SV 35	- -	- -	-

Port Size BSP

02	3/8
03	1/2

Spring (bar)

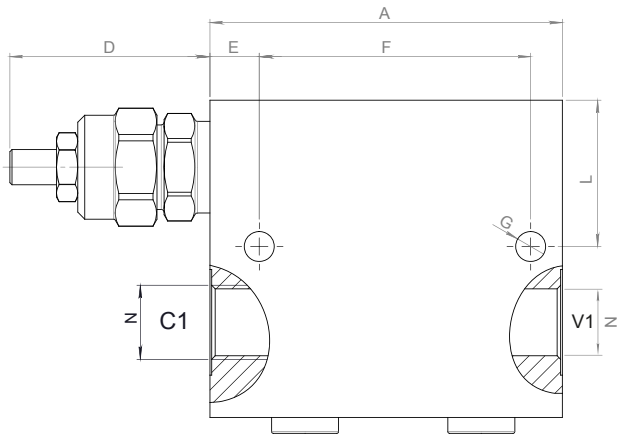
10	5-50
20	40-210
30	100-350

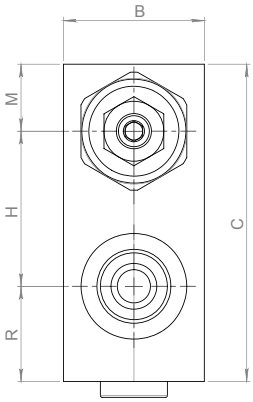
Adjustments

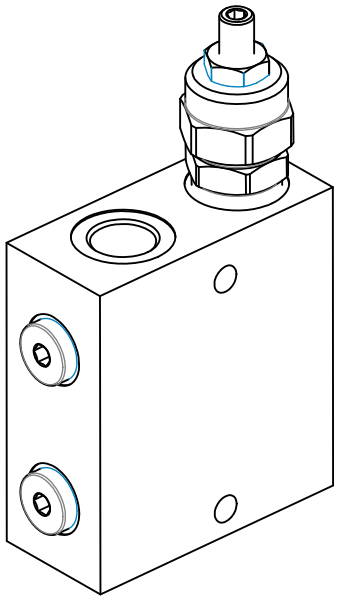
A		Socket Screw
B		Handknob
C		Tamperproof Cap

Ordering Code Example: SV350220A = 3/8 Port Size - 40-210 bar setting range, Socket screw adjustment.

Dimensions

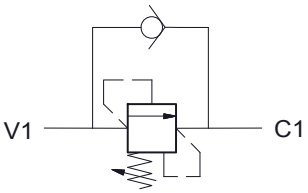




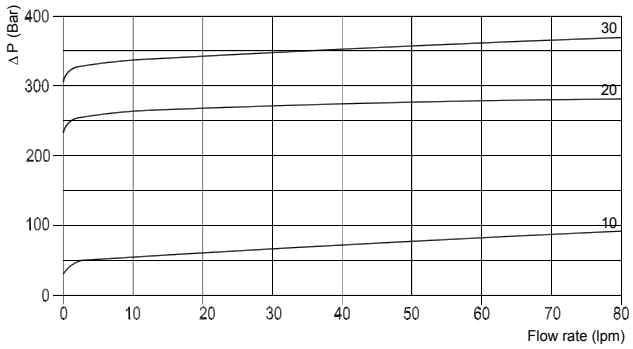


Size	A	B	C	D max	E	F	G	H	L	N BSP	M	R	Weight kg
03	100	40	90	57	14	77	8,5	44	41,5	1/2	19	27	1,2
04	100	40	90	57	14	77	8,5	44	41,5	3/4	19	27	1,16

Hydraulic Symbol



Curves



Features

Rated Flow (lpm)	80
Max Pressure (bar)	260

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

SV 80	- -	- -	-

Port Size BSP

03	1/2
04	3/4

Spring (bar)

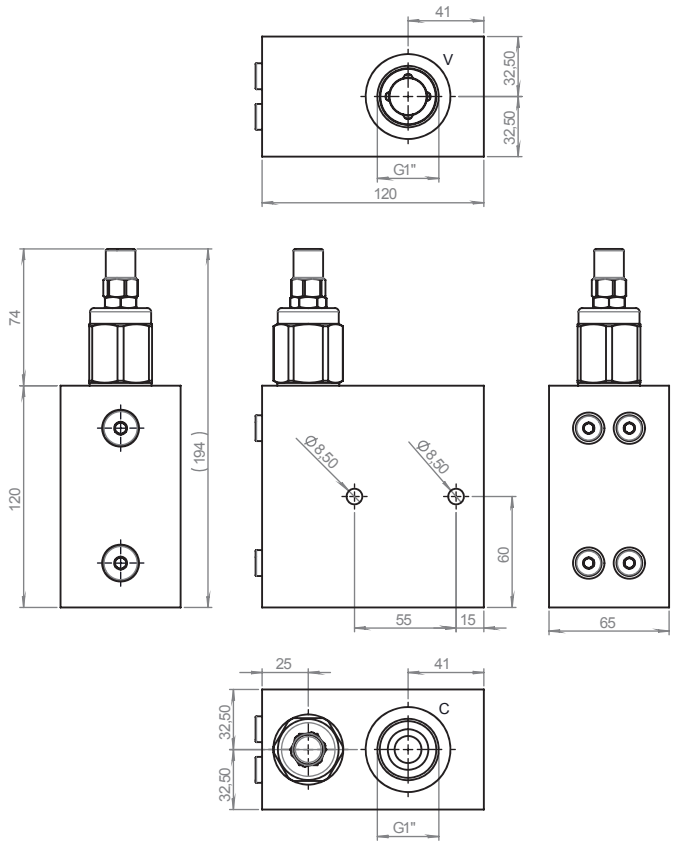
10	5-50
20	30-260
30	130-350

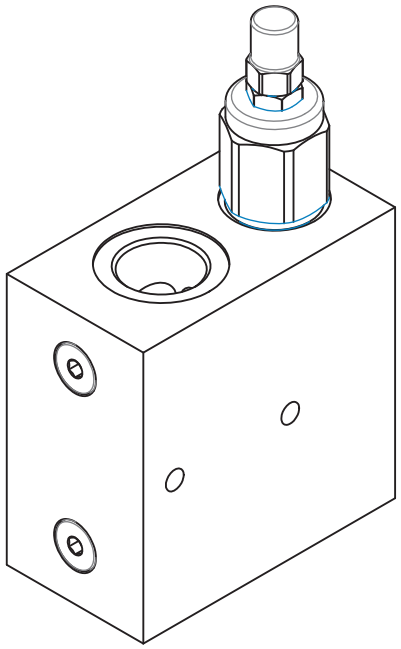
Adjustments

A		Socket Screw
B		Handknob
C		Tamperproof Cap

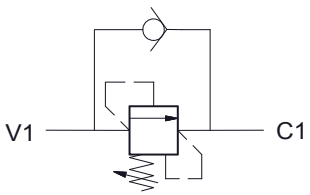
Ordering Code Example: SV800320A = 1/2 Port Size - 30-260 bar setting range, Socket screw adjustment.

Dimensions

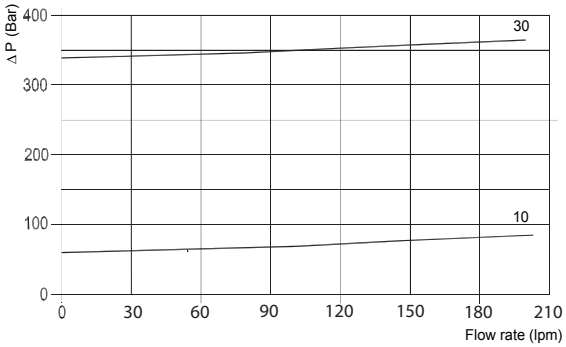




Hydraulic Symbol



Curves



Features

Rated Flow (lpm)	200
Max Pressure (bar)	260

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

SV150	- -	- -	- -

Port Size BSP

05	1

Spring (bar)

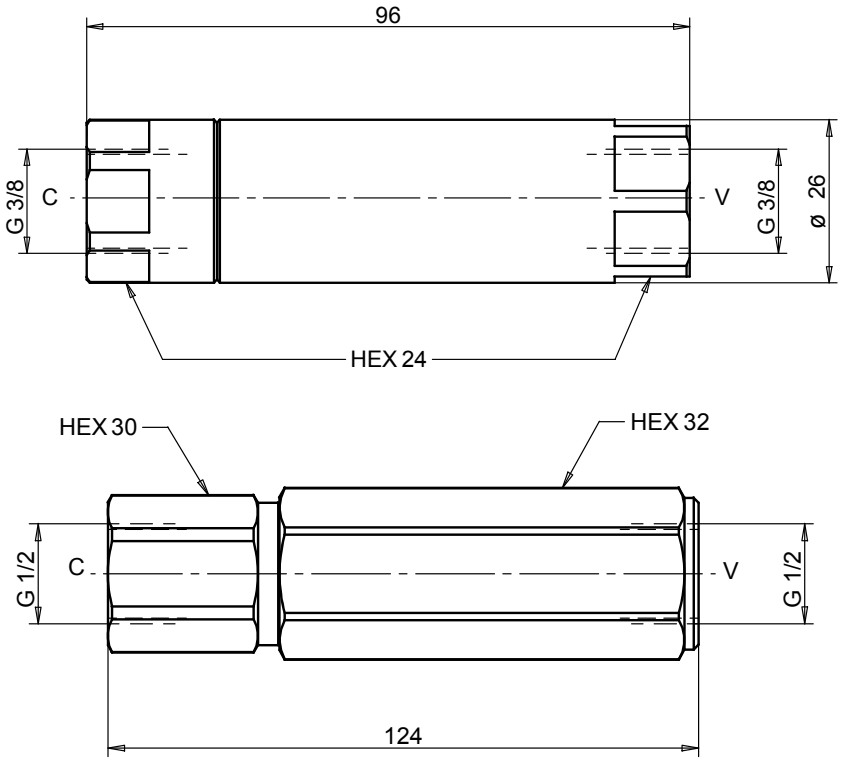
10	5-120
30	50-350

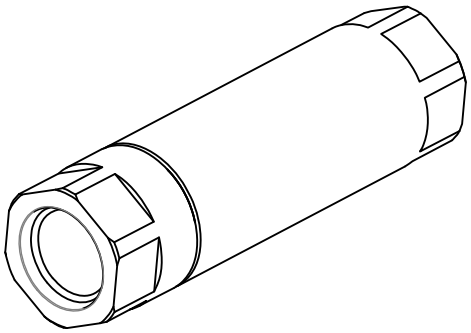
Adjustments

A		Socket Screw
B		Handknob
C		Tamperproof Cap

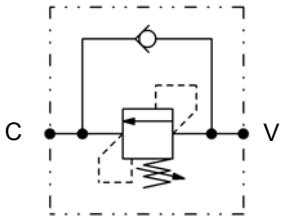
Ordering Code Example: **SV1500530A** = 1" Port Size - 50-350 bar setting range, Socket screw adjustment.

Dimensions

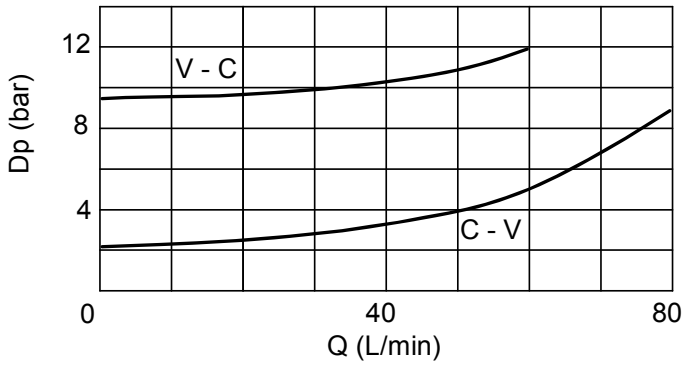




Hydraulic Symbol



Curves



Features

Size	02	03
Max Flow (lpm)	40	80
Max Pressure (bar)	350	350

Materials: Zinc plated steel body, hardened steel inner parts.

Ordering Code

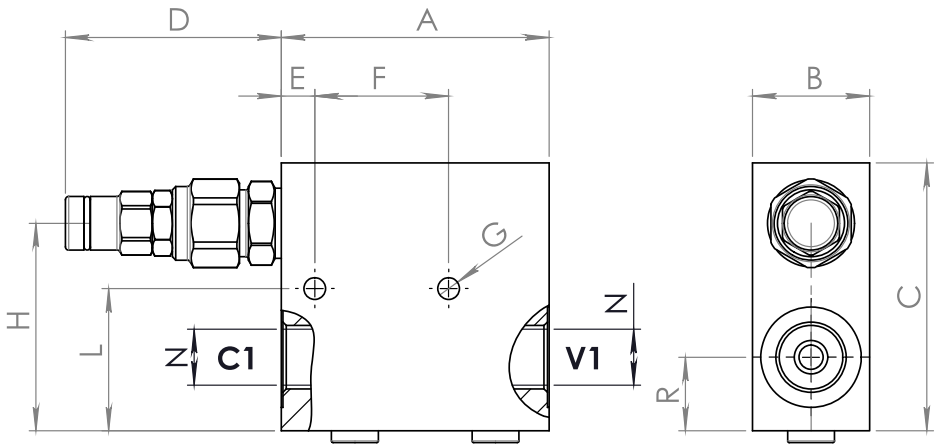
SVL	- -	- -

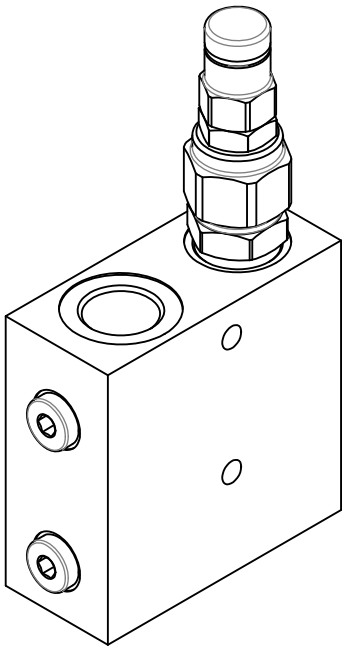
Port Size BSP	
02	3/8
03	1/2

LP-Spring (bar)		
	02	03
10	30-120	30-140

Ordering Code Example: SVL0310 = 1/2 Port Size - 30-140 bar setting range.

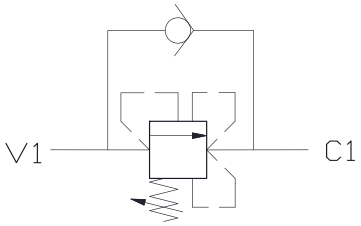
Dimensions



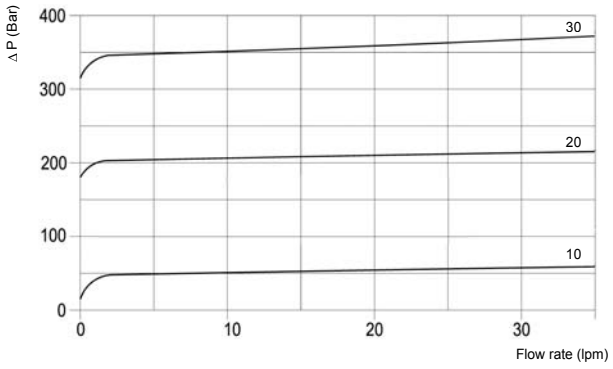


Size	A	B	C	D max	E	F	G	H	L	N BSP	R	Weight kg
02	64,5	35	80	51	10	40	6,5	62	42,5	3/8	22	0,72
03	64,5	35	80	51	10	40	6,5	62	42,5	1/2	22	0,710

Hydraulic Symbol



Curves



Features

Rated Flow (lpm)	35
Max Pressure (bar)	260

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

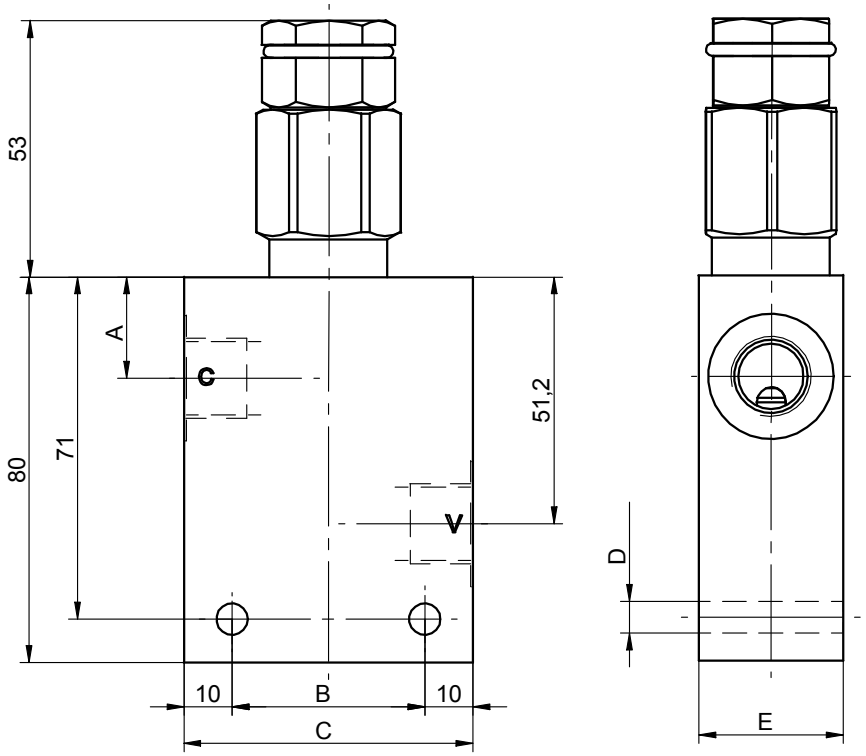
SV 35CC	- -	- -

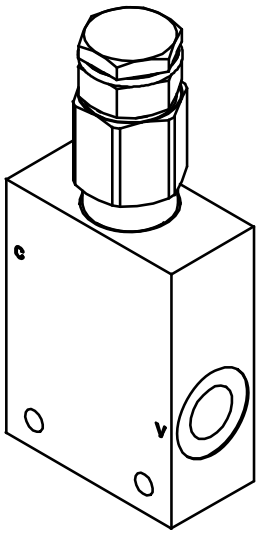
	Port Size BSP
02	3/8
03	1/2

Spring (bar)	
10	5-50
20	40-210
30	100-350

Ordering Code Example: SV35CC0220 = 3/8 Port Size - 40-210 bar setting range.

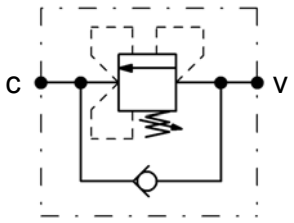
Dimensions



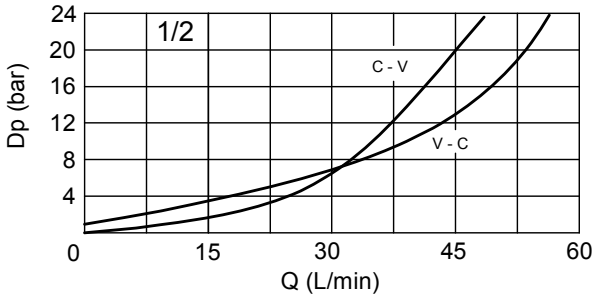


Size	A	B	C	D	E	Weight kg
02	21	40	60	6,5	30	-
03	19	50	70	8,5	35	-

Hydraulic Symbol



Curves



Features

Size	02	03
Max Flow	40 lpm	60 lpm
Max Pressure	350 bar	350 bar
Pressure setting range	100 ÷ 350 bar	100 ÷ 350 bar
Port Sizes	V - C: G 3/8	V - C: G 1/2

Materials: Aluminium body.

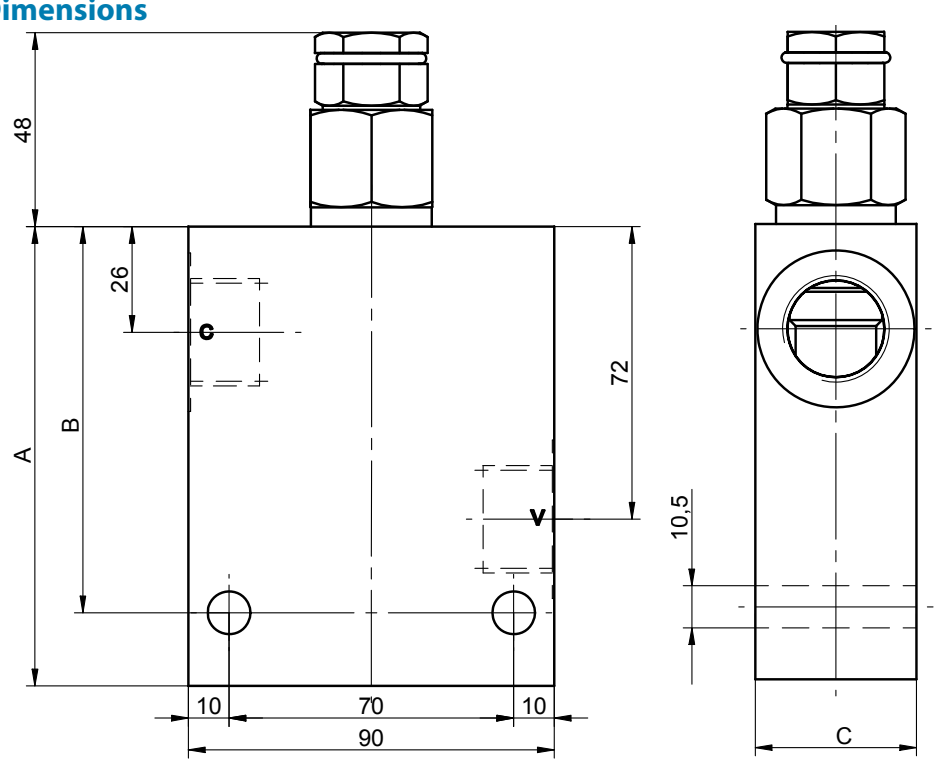
Ordering Code

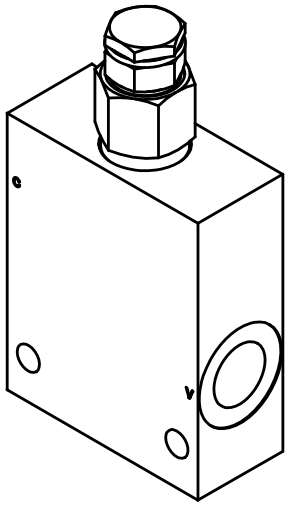
SV60CC	- -

	Port Size BSP
02	3/8
03	1/2

Ordering Code Example: SV60CC02 = 3/8 Port Size

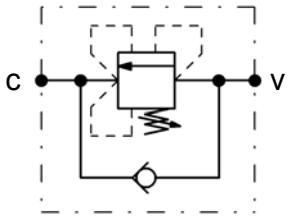
Dimensions



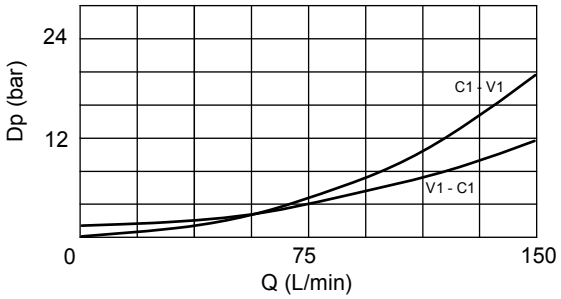


Size	A	B	C	Weight kg
04	113	95	40	-
05	120	107	50	-

Hydraulic Symbol



Curves



Features

Size	04	05
Max Flow	150 lpm	180 lpm
Max Pressure	350 bar	350 bar
Pressure setting range	100 ÷ 350 bar	100 ÷ 350 bar
Port Sizes	V - C: G 3/4	V - C: G 1

Materials: Aluminium body.

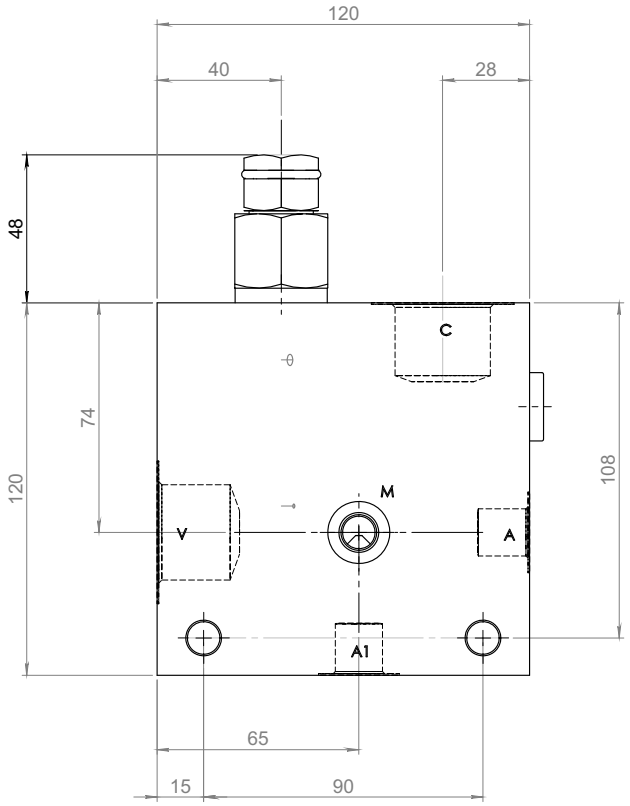
Ordering Code

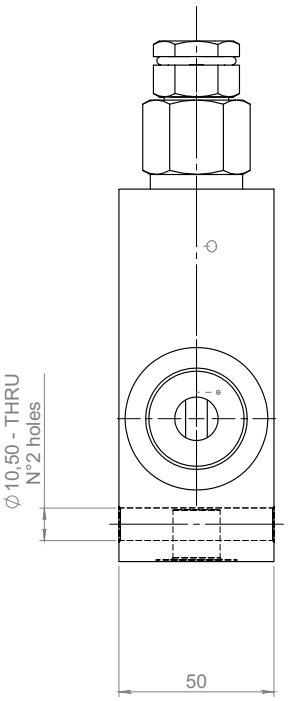
SV150CC	- -

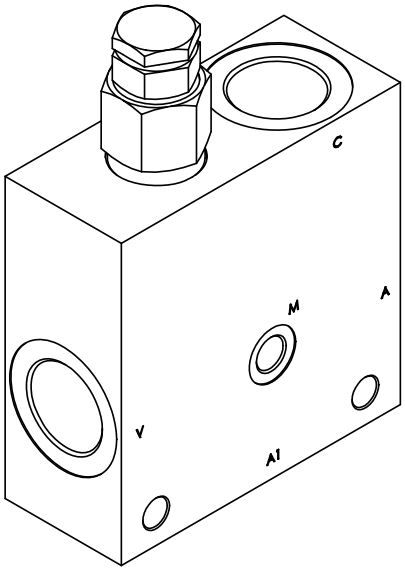
	Port Size BSP
04	3/4
05	1

Ordering Code Example: SV150CC04 = 3/4 Port Size

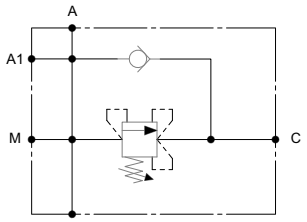
Dimensions



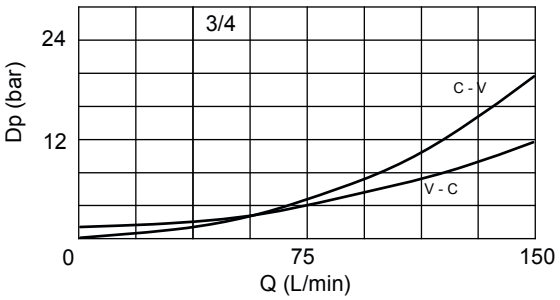




Hydraulic Symbol



Curves



Features

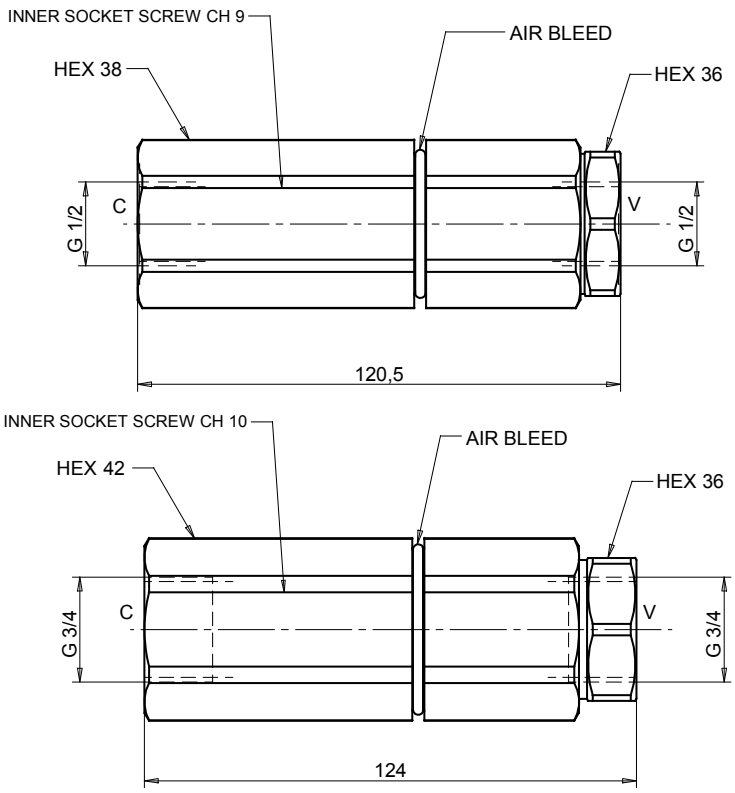
Max Flow	150 lpm
Max Pressure	250 bar
Pressure setting range	100 ÷ 350 bar
Port Sizes	V - C = G 1 BSP A - A1 = G 3/8 BSP M = G 1/4 BSP

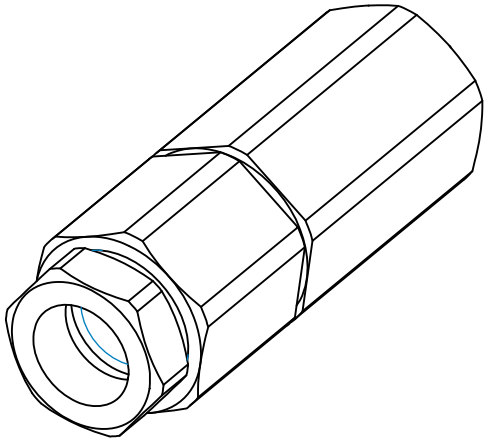
Materials: Aluminium manifold.

Ordering Code

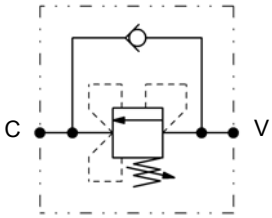
SV150SUCC05

Dimensions

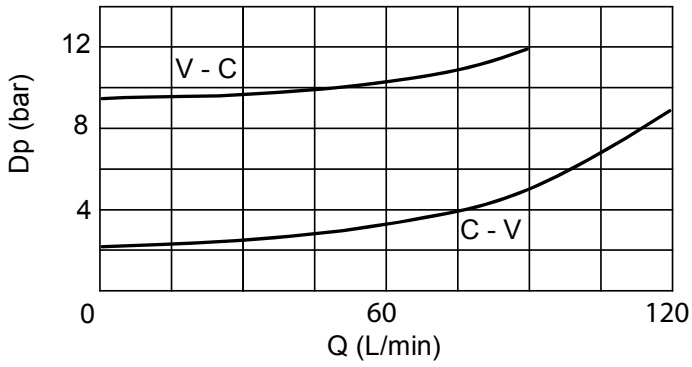




Hydraulic Symbol



Curves



Features

Size	03	04
Max Flow (lpm)	100	120
Max Pressure (bar)	350	350

Materials: Zinc plated steel body, hardened steel inner parts.

Ordering Code

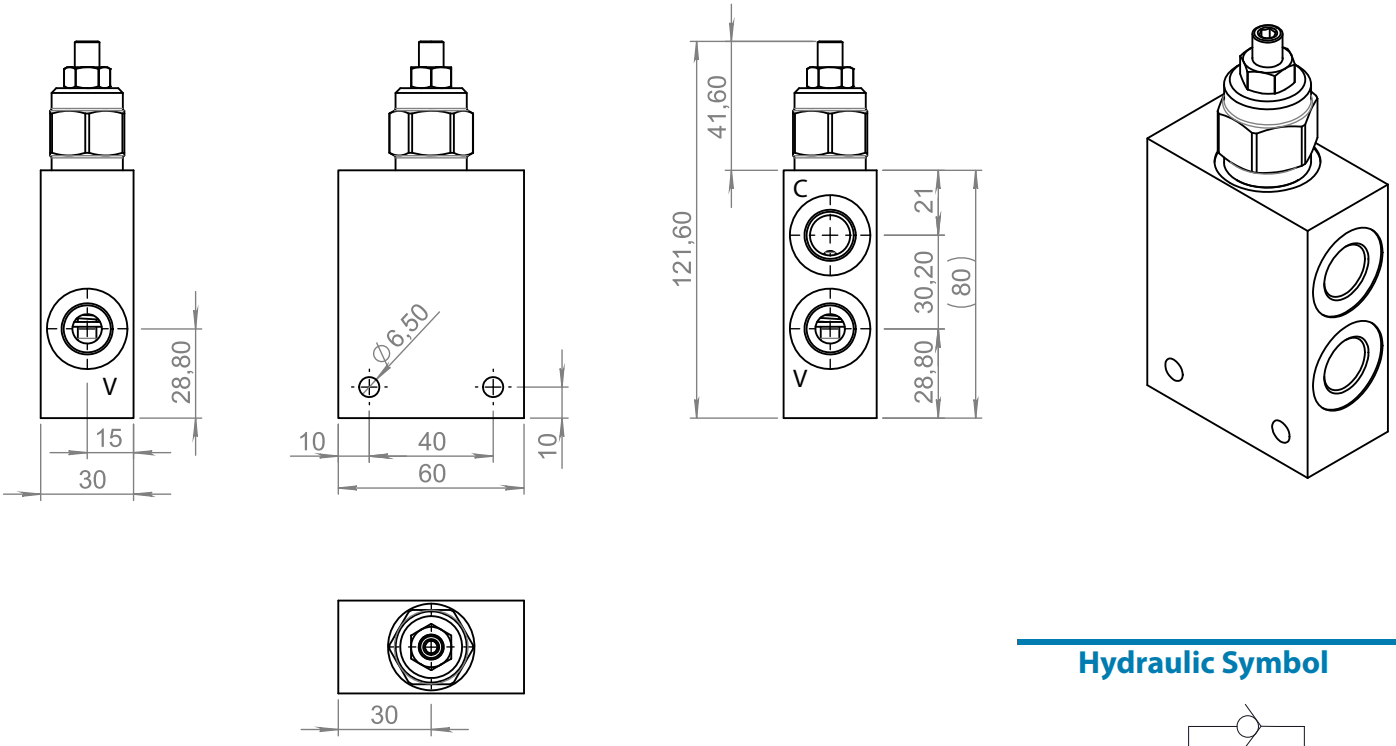
SVLCC	- -	- -

Port Size BSP	
03	1/2
04	3/4

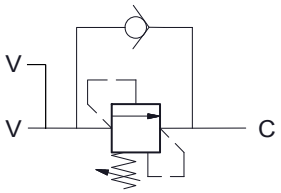
LP-Spring (bar)		
	03	04
10	50-140	50-140
20	-	80-250

Ordering Code Example: SVLCC0310 = 1/2 Port Size - 50-140 bar setting range.

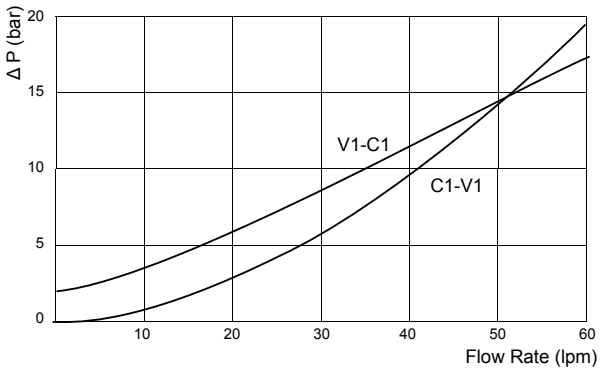
Dimensions



Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	260 bar
Ports Size (V,C)	3/8 BSP
Weight (kg)	0,50 kg

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

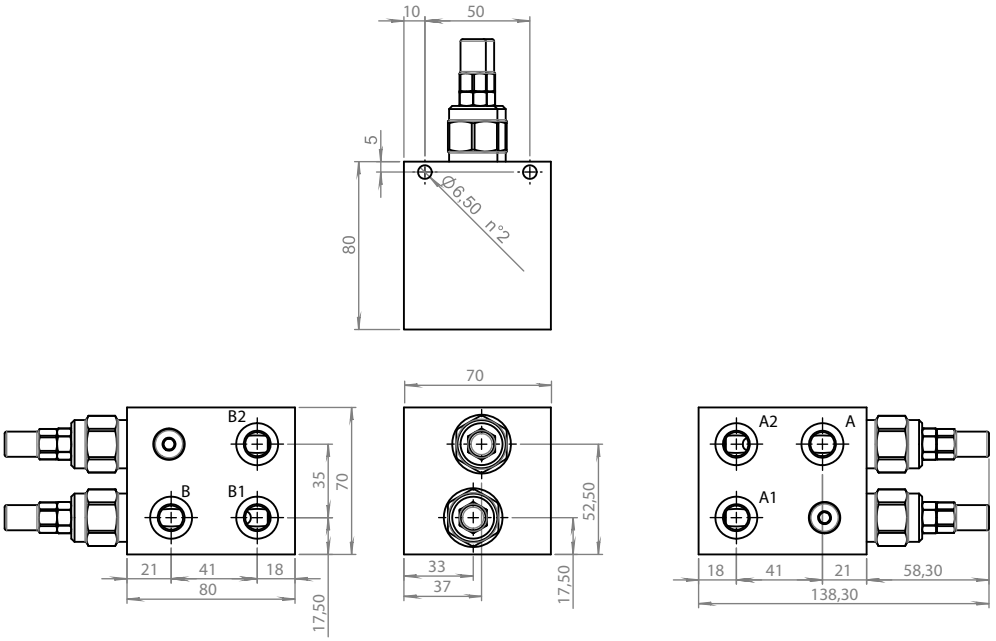
Ordering Code

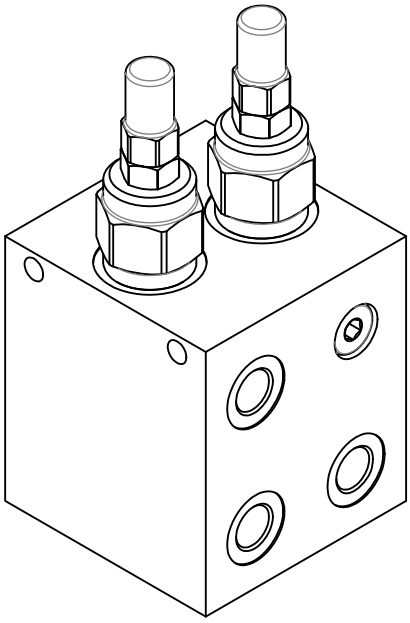
SV6002	- -	MH

Spring (bar)	
20	60 -210
30	100 - 350

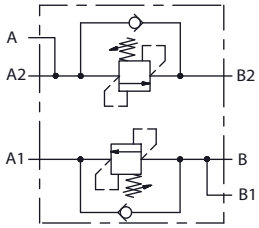
Ordering Code Example: SV600220MH = 3/8 Port Size - 60-210 bar setting range

Dimensions

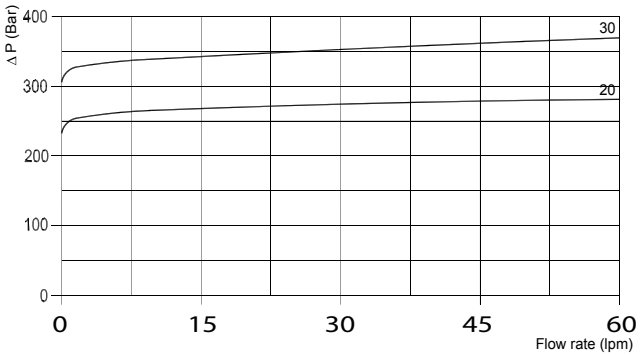




Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Ports	3/8 bsp

Materials: Aluminium manifold, hardened steel inner parts.

Ordering Code

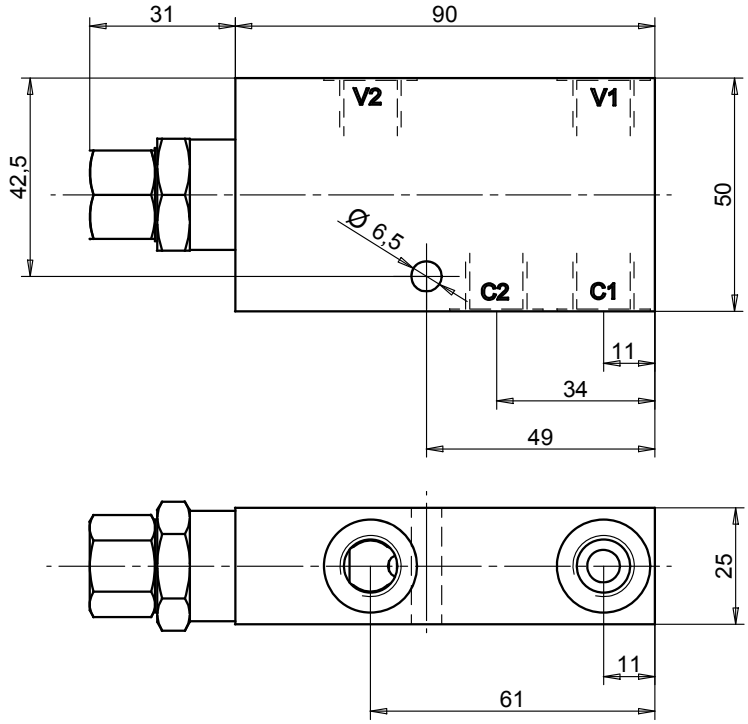
DSV	- -	- -	SF

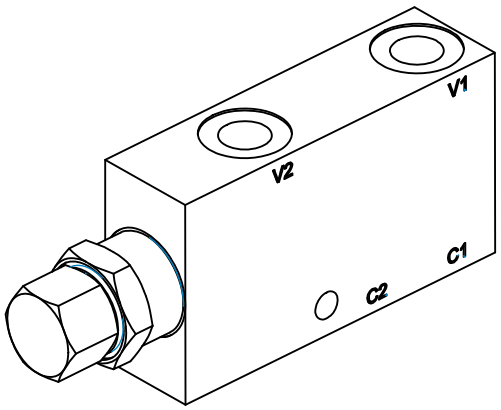
	Port Size BSP
02	3/8

Spring (bar)	
20	60-210
30	100-350

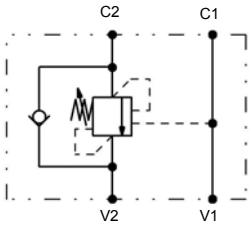
Ordering Code Example: DSV0220SF = 3/8 BSP Port Size, 60-210 bar setting range.

Dimensions

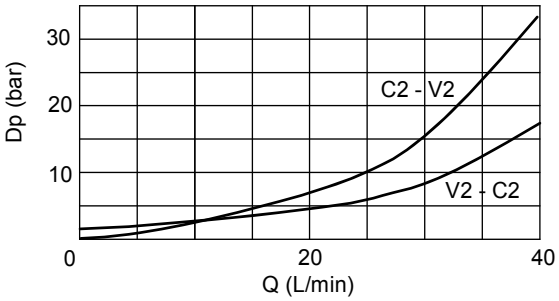




Hydraulic Symbol



Curves



Features

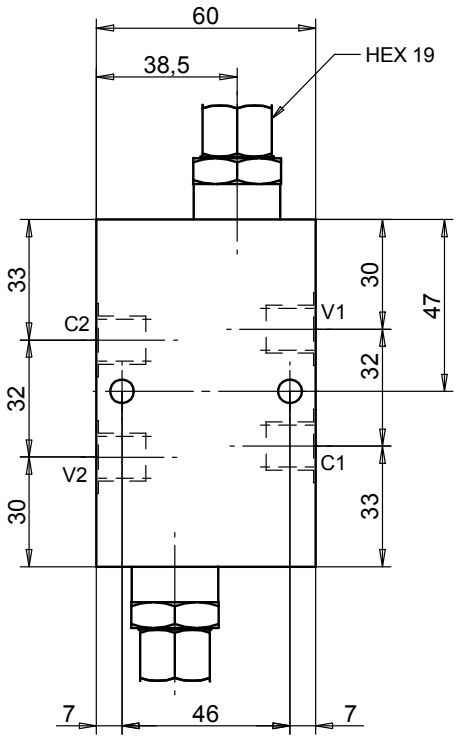
Max Flow	25 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar
Ports	V1-V2: G 1/4 C1-C2: G 1/4

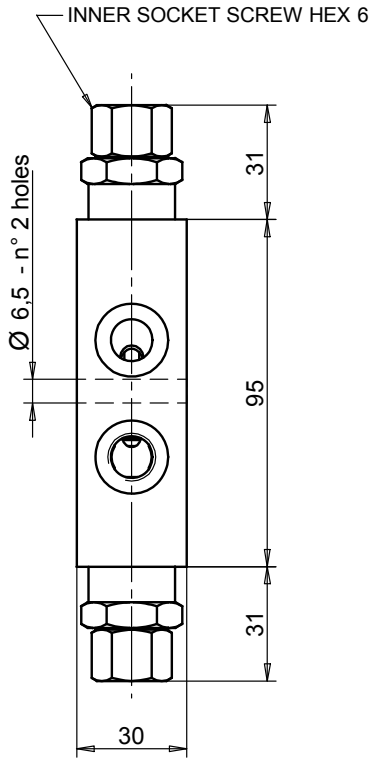
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

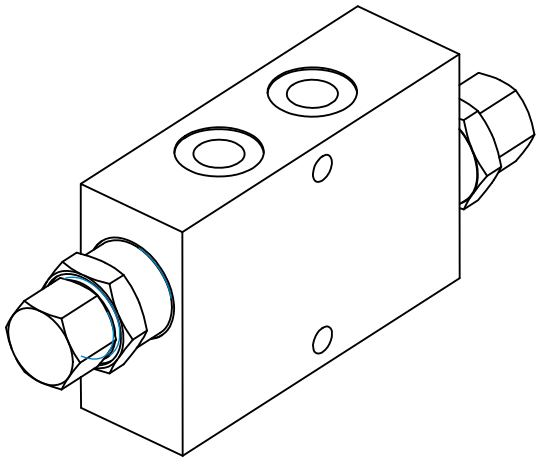
Ordering Code

CB40SL 01

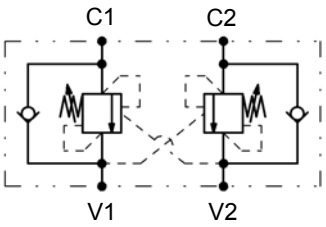
Dimensions



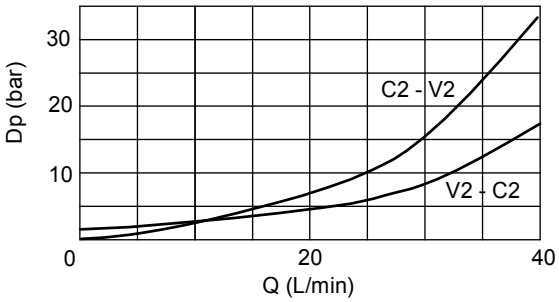




Hydraulic Symbol



Curves



Features

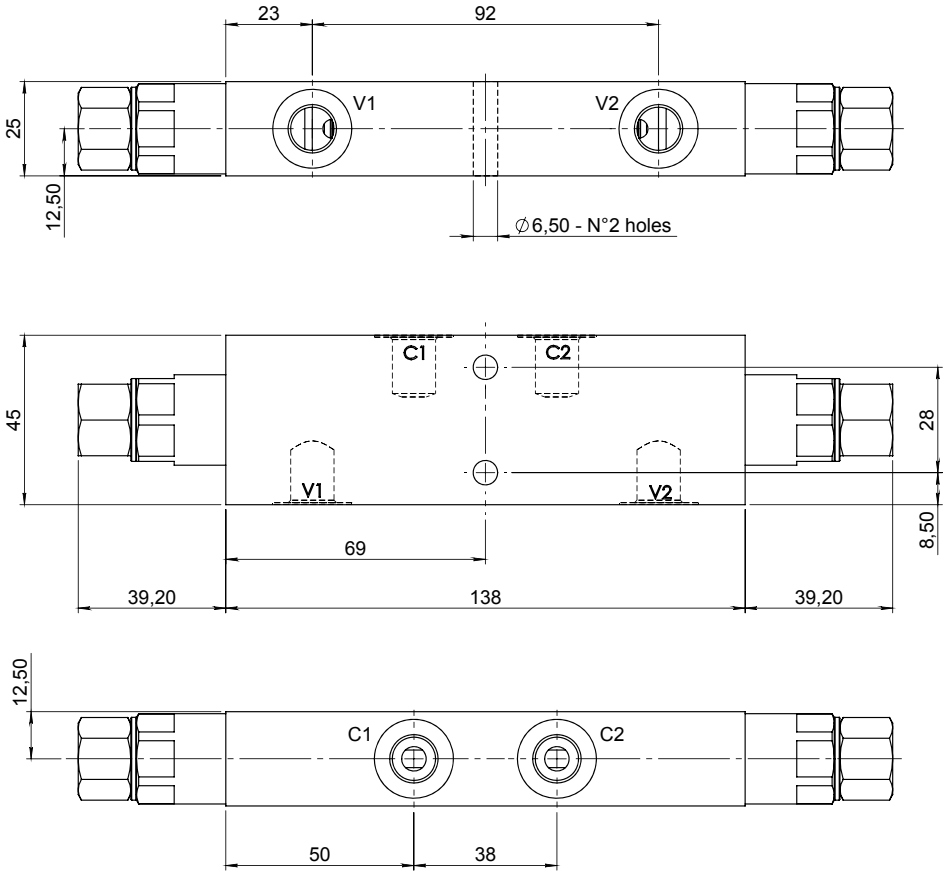
Max Flow	25 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	50 - 350 bar
Ports	V1-V2: G 1/4 C1-C2: G 1/4

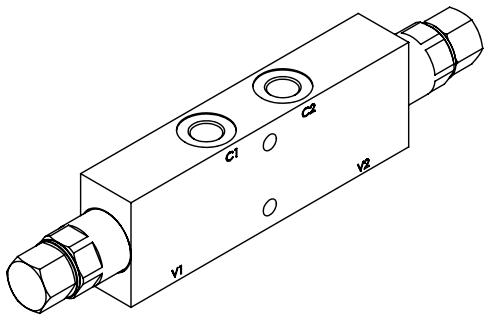
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

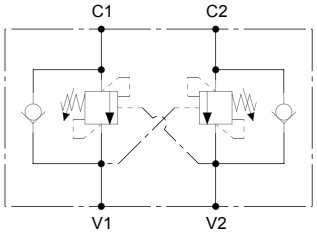
CB40DL 01

Dimensions

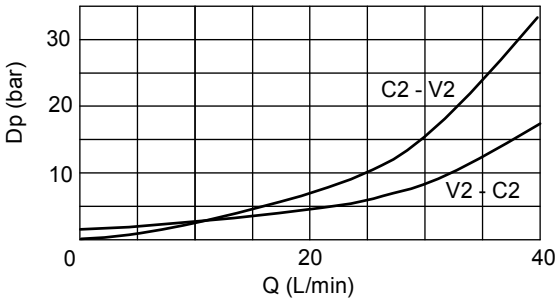




Hydraulic Symbol



Curves



Features

Max Flow	30 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar
Ports	V1-V2: G 1/4 C1-C2: G 1/4

Materials: Zinc plated steel manifold.

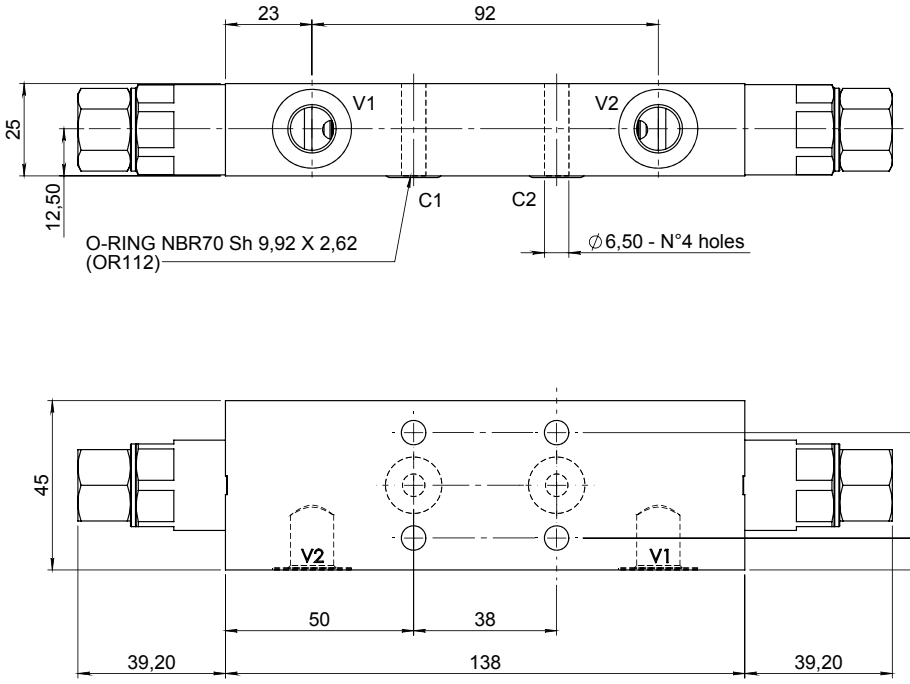
Ordering Code

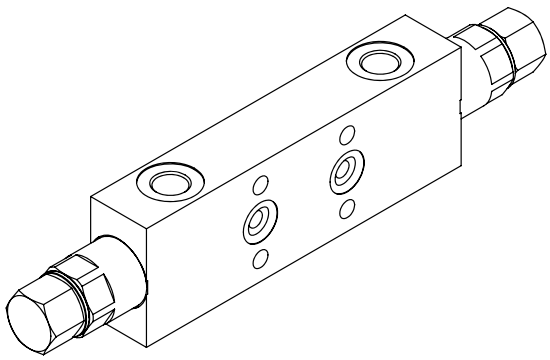
CB40DLH01 - -

Spring

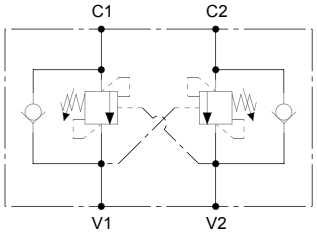
	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
30	100 - 350	80	200

Dimensions

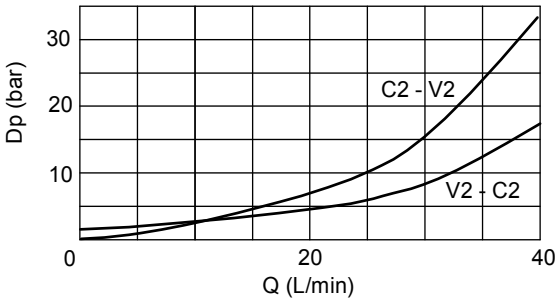




Hydraulic Symbol



Curves



Features

Max Flow	30 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar
Ports	V1-V2: G 1/4

Materials: Zinc plated steel manifold.

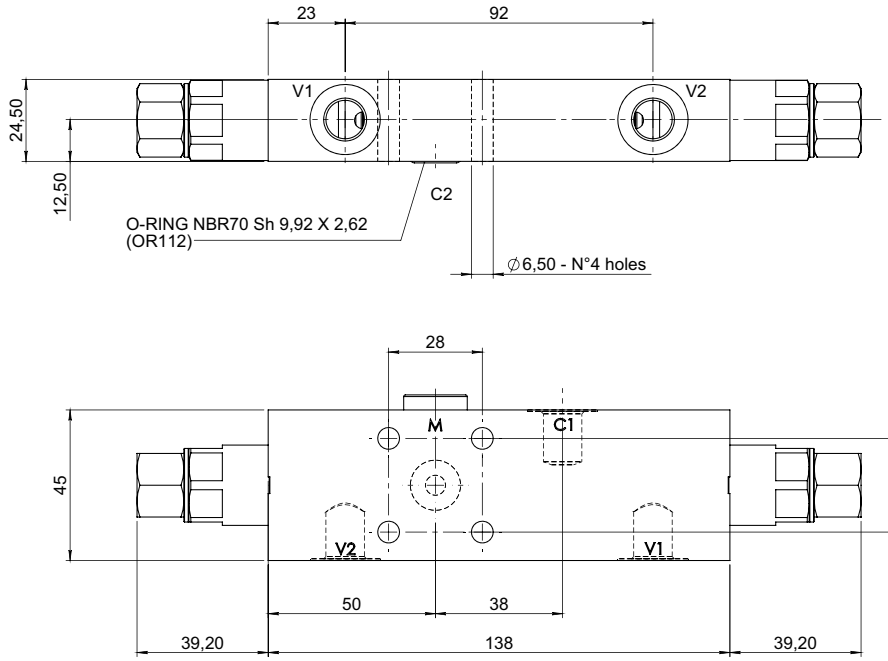
Ordering Code

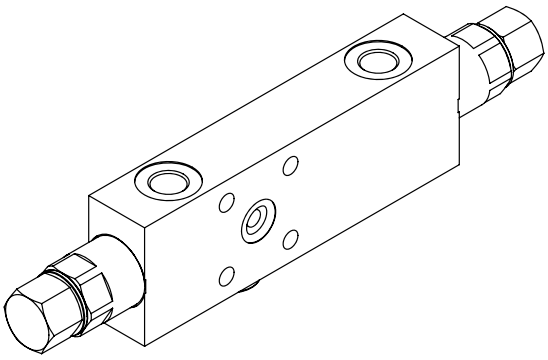
CB40DLHF01 - -

Spring

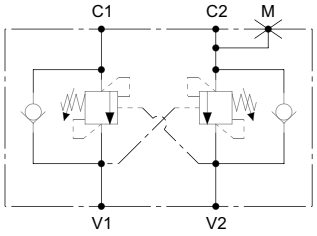
	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
30	100 - 350	80	200

Dimensions

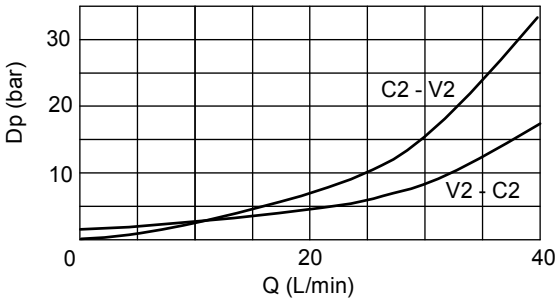




Hydraulic Symbol



Curves



Features

Max Flow	30 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar
Ports	V1-V2: G 1/4 C1-M: G 1/4

Materials: Zinc plated steel manifold.

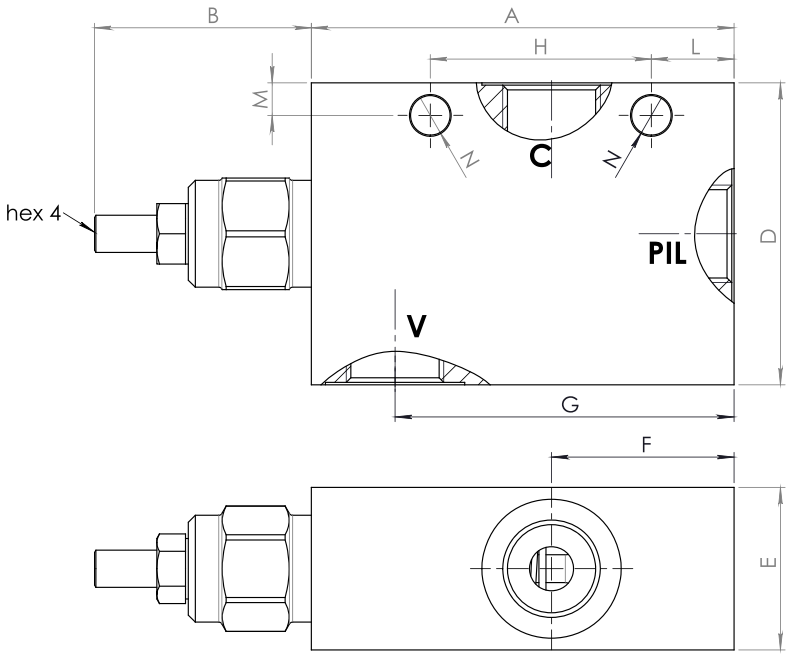
Ordering Code

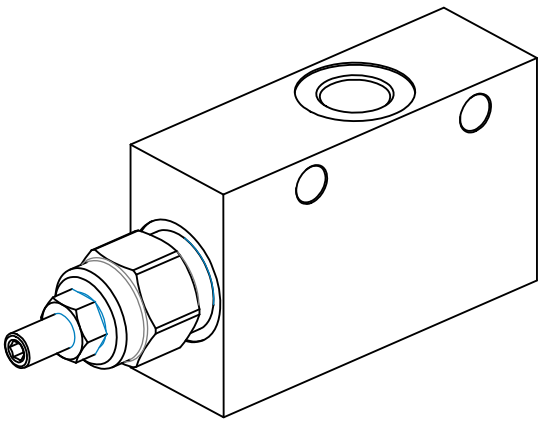
CB40DLHF1F01 - -

Spring

	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
30	100 - 350	80	200

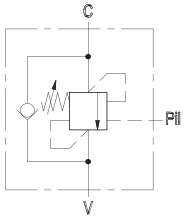
Dimensions



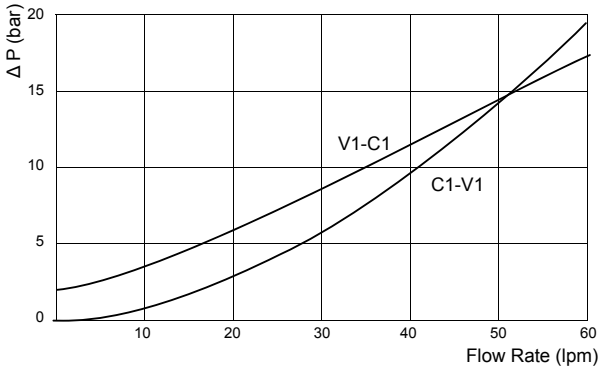


Size	A	B	C-V-PIL BSP	D	E	F	G	H	L	M	N	Weight kg
02	91	47	3/8	55	30	39,3	70,3	47,6	17,8	7	8,5	1,18
03	91	47	1/2	65	35	39,3	70,3	47,6	17,8	11	8,5	1,50

Hydraulic Symbol



Curves



Features

Rated Flow	60 lpm
Max Pressure	350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

Notice: Relief setting at least 1,3 times the highest expected load-induced pressure.

Ordering Code

CBSEP	- -	- -	-

Port Size BSP

02	3/8
03	1/2

Spring

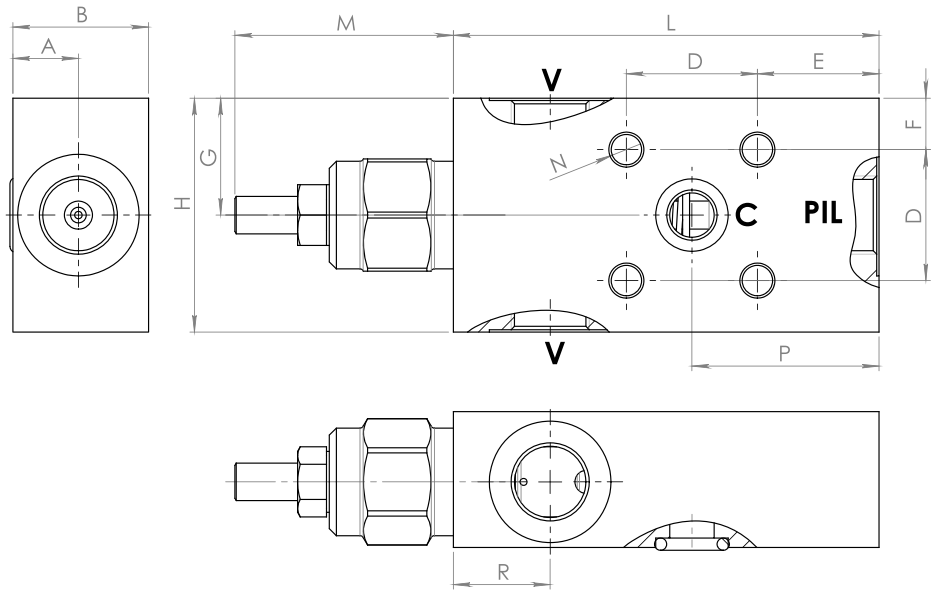
	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
20	60 - 210	61	180
30	100 - 350	100	250

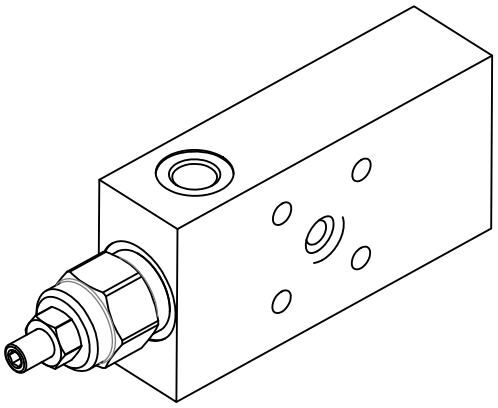
Pilot Ratio

	4,2 : 1
8	8 : 1

Ordering Code Example: **CBSEP0330** = 1/2 BSP Ports - 100-350 bar setting range, 4,2:1 Pilot Ratio.

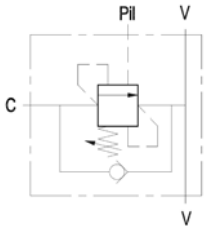
Dimensions



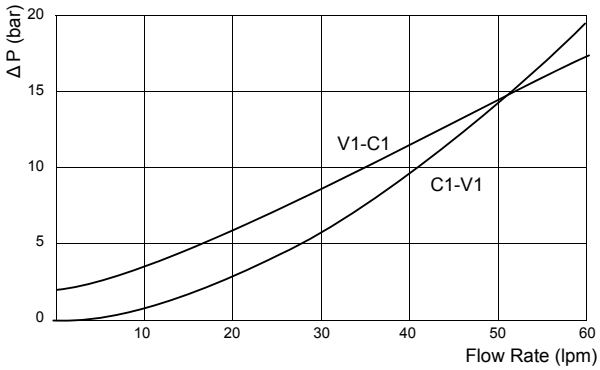


Size	A	B	C-V-PIL	D	E	F	G	H	L	M MAX	N	R	P	Weight kg
02	14	29	3/8	28	26	11	25	50	91	47	6,5	20,7	40	0,97

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

Notice: Relief setting at least 1,3 times the highest expected load-induced pressure.

Ordering Code

CBSEPF	- -	- -	-

Port Size BSP

02	3/8

Spring

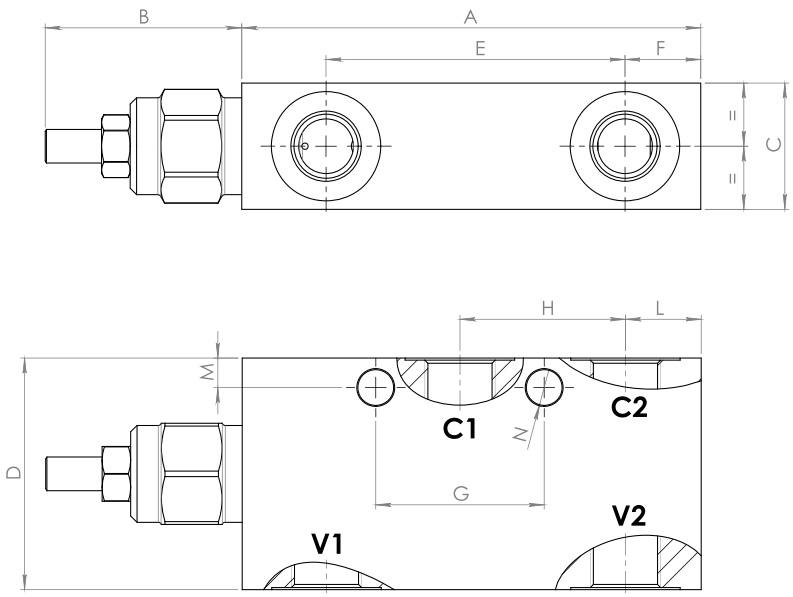
	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
20	60 - 210	61	180
30	100 - 350	100	250

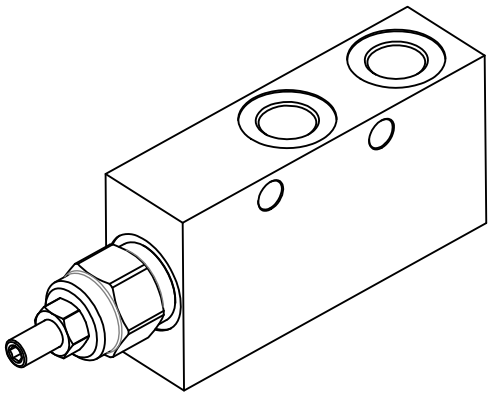
Pilot Ratio

	4,2 : 1
8	8 : 1

Ordering Code Example: CBSEPF0230 = 1/2 BSP Ports - 100-350 bar setting range, 4,2:1 Pilot Ratio.

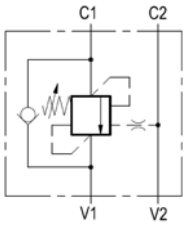
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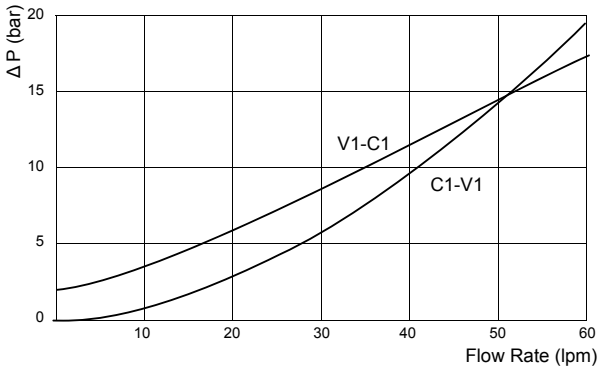


Size	A	B	C	C1 - C2 V1 - V2	D	E	F	G	H	L	M	N	Weight kg
02	109	47	30	3/8	55	71	18	40	39,3	18	7	8,5	1,18
03	109	47	35	1/2	65	71	18	40	39,3	18	8	8,5	1,75

Hydraulic Symbol



Curves



Features

Rated Flow	60 lpm
Max Pressure	350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

Notice: Relief setting at least 1,3 times the highest expected load-induced pressure.

Ordering Code

CBSL	- -	- -	-

Port Size BSP

02	3/8
03	1/2

Spring

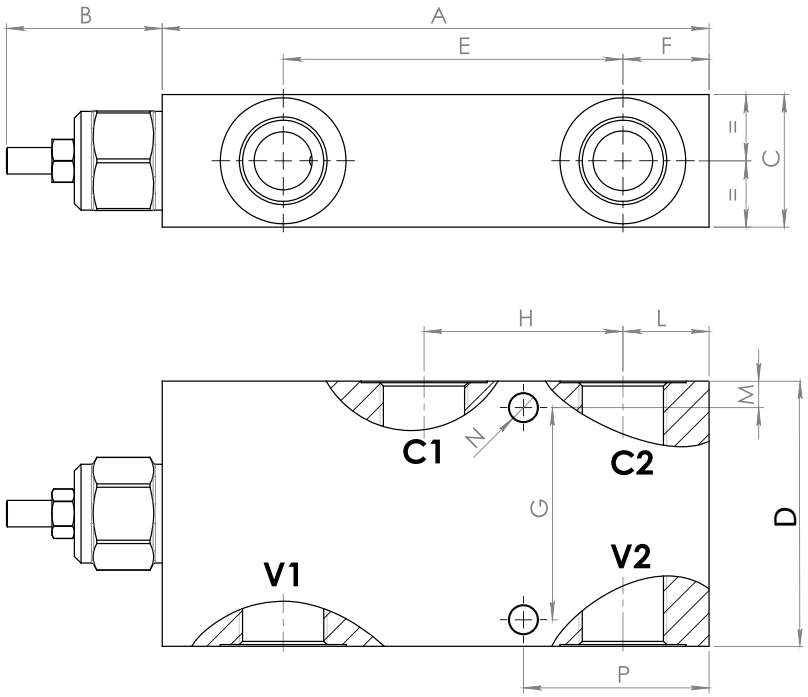
	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
20	60 - 210	61	180
30	100 - 350	100	250

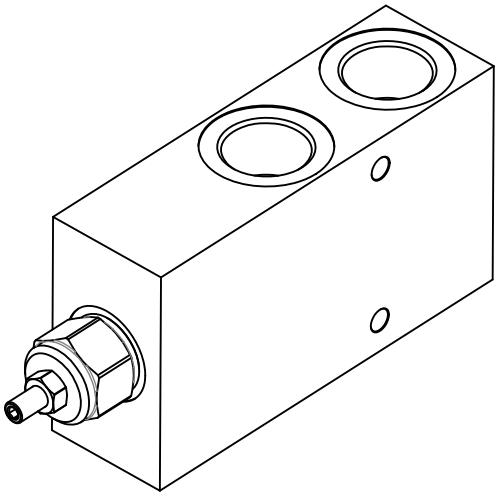
Pilot Ratio

	4,2 : 1
8	8 : 1

Ordering Code Example: CBSL0330 = 1/2 BSP Ports - 100-350 bar setting range, 4,2:1 Pilot Ratio.

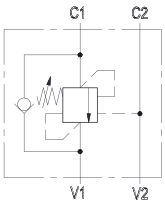
Dimensions



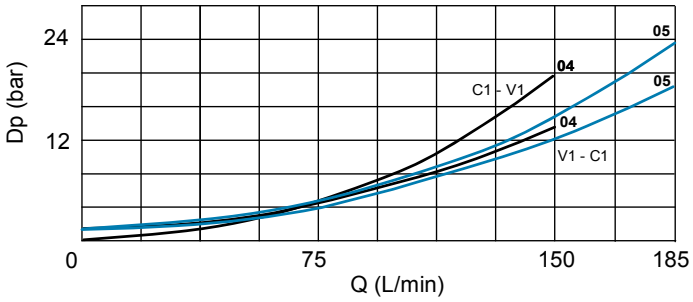


Size	A	B max	C	C1 - C2 V1 - V2	D	E	F	G	H	L	M	N	P	Weight kg
04	165	47	40	3/4	80	102,5	26	64	60	26	8	8,5	56	1,53
05	165	47	50	1	90	102,5	26	64	60	26	13	8,5	56	2,04

Hydraulic Symbol



Curves



Features

Rated Flow	(04) 150 lpm - (05) 180 lpm
Max Pressure	350 bar
Pilot Ratio	6:1

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

CBSLA	- -	- -

Port Size BSP

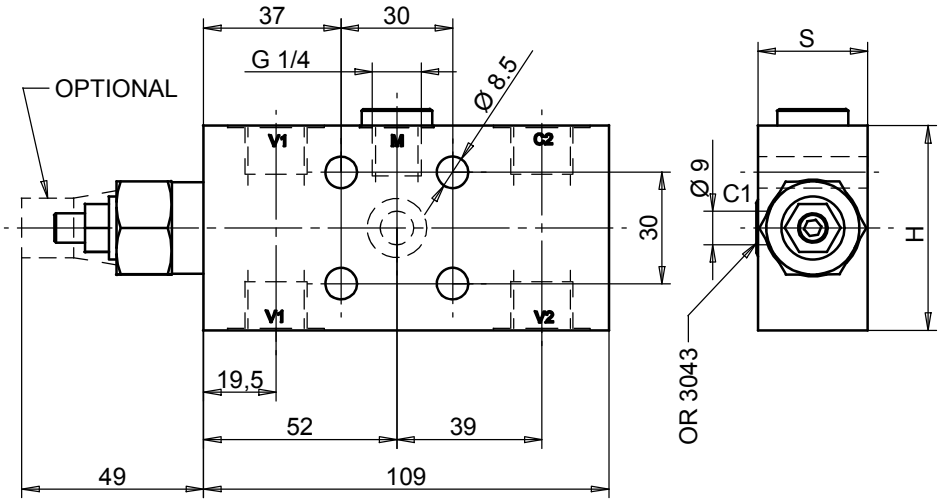
04	3/4
05	1

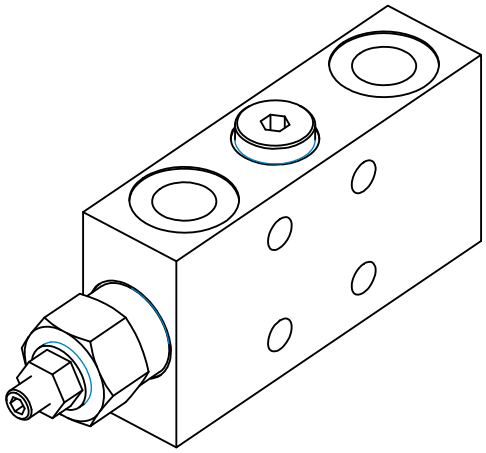
Spring

	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
20	50 - 210	35	150
30	100 - 350	60	200

Ordering Code Example: CBSLA0430 - 3/4" BSP Ports - 100-350 bar setting range.

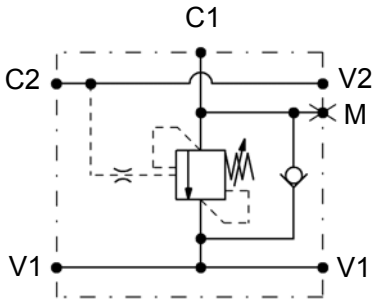
Dimensions



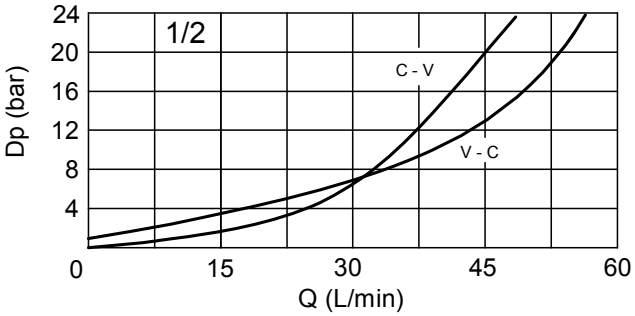


Size	V1-V2 C2	H	S
02	G 3/8	55	30
03	G 1/2	65	35

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

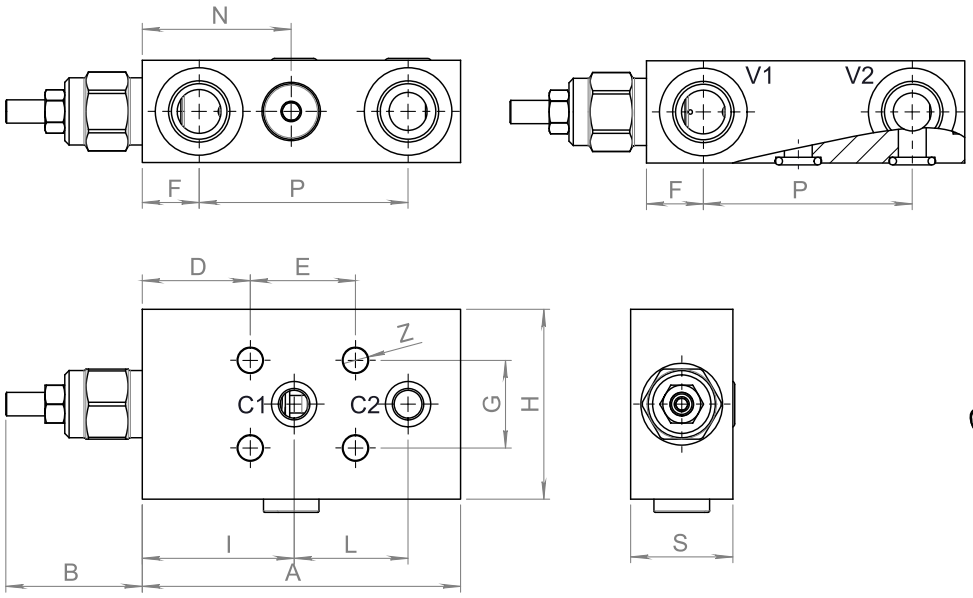
Ordering Code

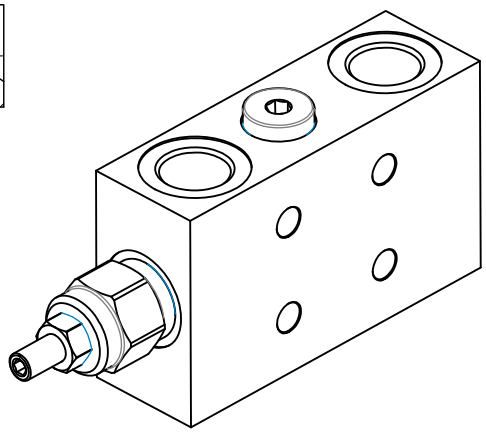
CBSL1F - -

	Port Size BSP
02	3/8
03	1/2

Ordering Code Example: **CBSL1F02** - 3/8" BSP Ports - 100-350 bar setting range.

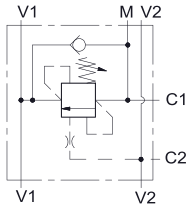
Dimensions



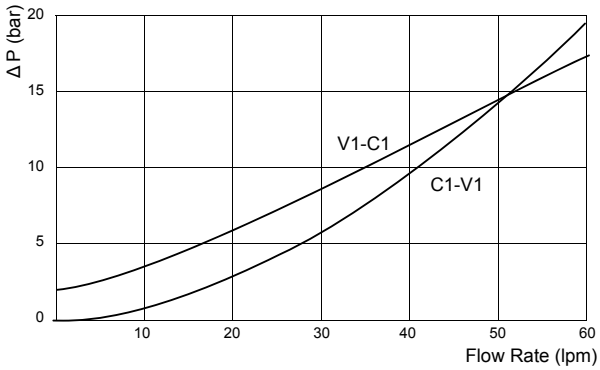


Size	C1 - C2 V1 - V2 bsp	M bsp	A	B	D	E	F	G	H	I	L	N	P	S	Z	Weight kg
02	3/8	1/4	109	46,7	37	36	20,7	30	55	51,7	39,3	51	70,3	30	8,5	1,26
03	1/2	1/4	109	46,7	37	36	19,5	30	65	52	39	51	71,5	35	8,5	1,74

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Std. Pressure range	100-350 bar

Notice: Relief setting at least 1,3 times the highest expected load-induced pressure.

Ordering Code

CBSL2F	- -	- -	-

Port Size BSP

02	3/8
03	1/2

Spring

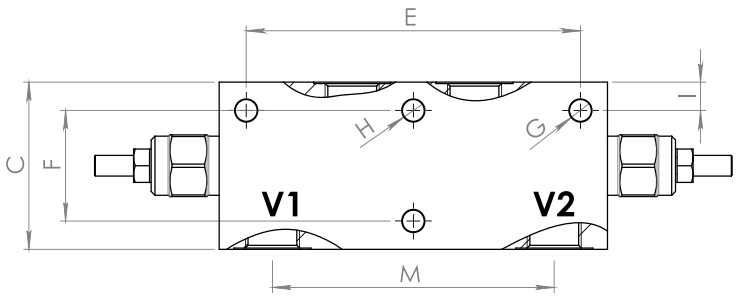
	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
20	60 - 210	61	180
30	100 - 350	100	250

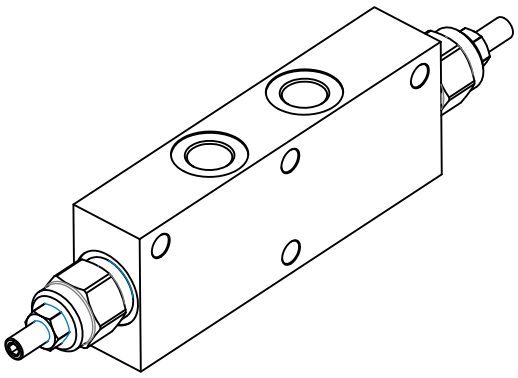
Pilot Ratio

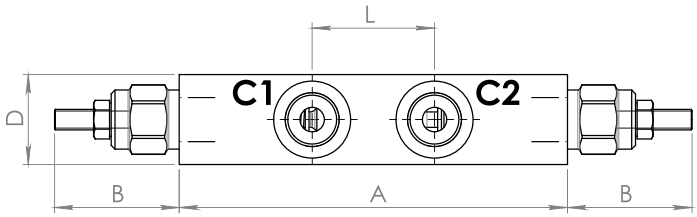
	4,2 : 1
8	8 : 1

Ordering Code Example: **CBSL2F0230** - 3/8" BSP Ports - 100-350 bar setting range - 4,2 : 1Pilot Ratio.

Dimensions

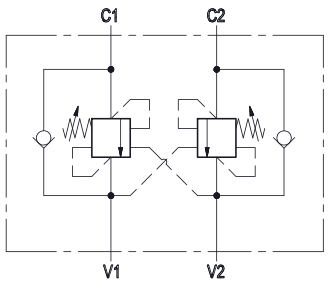




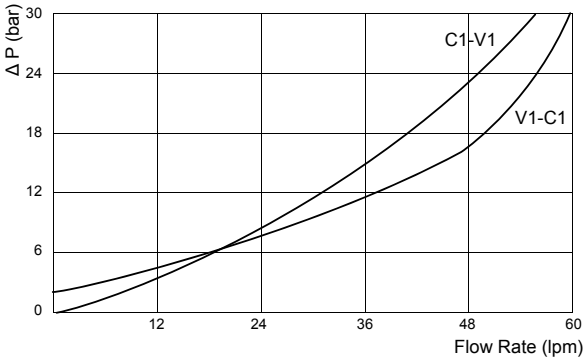


Size	A	B max	C	C1 - C2 V1 - V2 BSP	D	E	F	G	H	I	L	M	Weight kg
02	151	48,5	55	3/8	30	130	38	8,5	8,5	10	47,6	109,6	1,89
03	151	48,5	65	1/2	35	130	43	9	8,5	10	47,6	109,6	2,52

Hydraulic Symbol



Curves



Notice: Relief setting at least 1,3 times the highest expected load-induced pressure.

Features

Rated Flow	60 lpm
Max Pressure	350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

CBDL	- -	- -	-

Port Size BSP

02	3/8
03	1/2

Spring

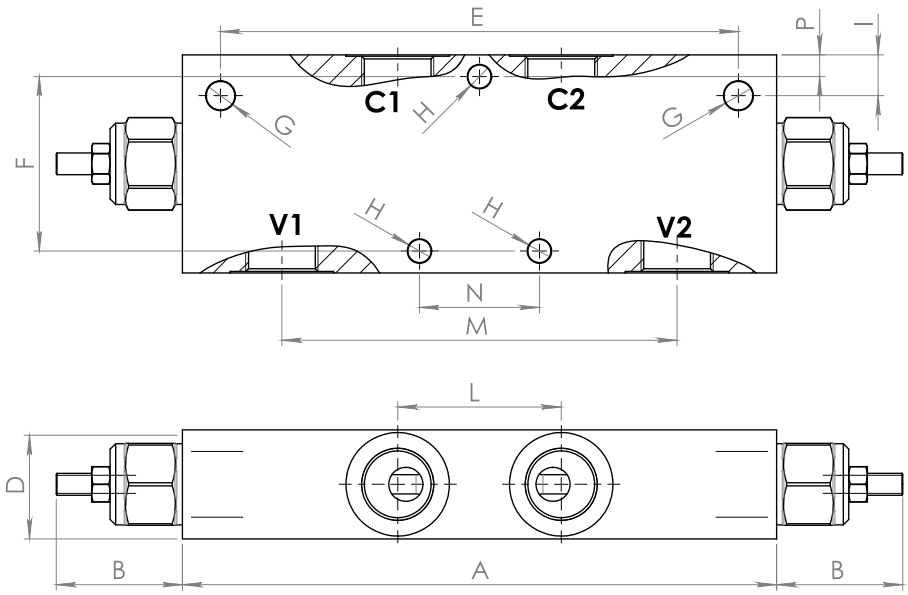
	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
20	60 - 210	61	180
30	100 - 350	100	250

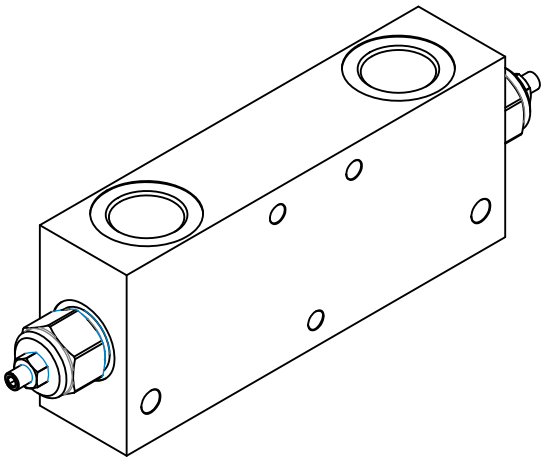
Pilot Ratio

	4,2 : 1
8	8 : 1

Ordering Code Example: CBDL0330 = 1/2 BSP Ports - 100-350 bar setting range, 4,2:1 Pilot Ratio.

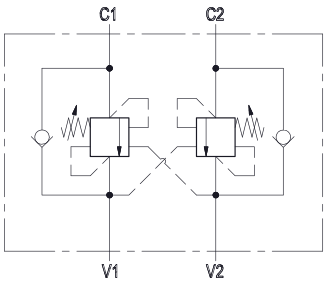
Dimensions



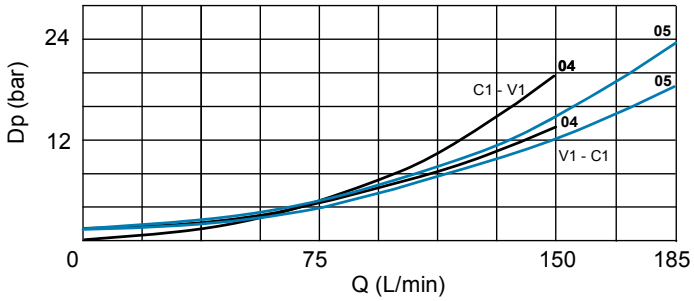


Size	A	B max	C	C1 - C2 V1 - V2 BSP	D	E	F	G	H	I	L	M	N	P	Weight kg
04	218	43,5	80	3/4	40	190	64	10,5	8,5	15	60	145	44	8	2,22

Hydraulic Symbol



Curves



Features

Rated Flow	(04) 150 lpm - (05) 180 lpm
Max Pressure	350 bar
Pilot Ratio	6:1

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

CBDLA - - - -

Port Size BSP

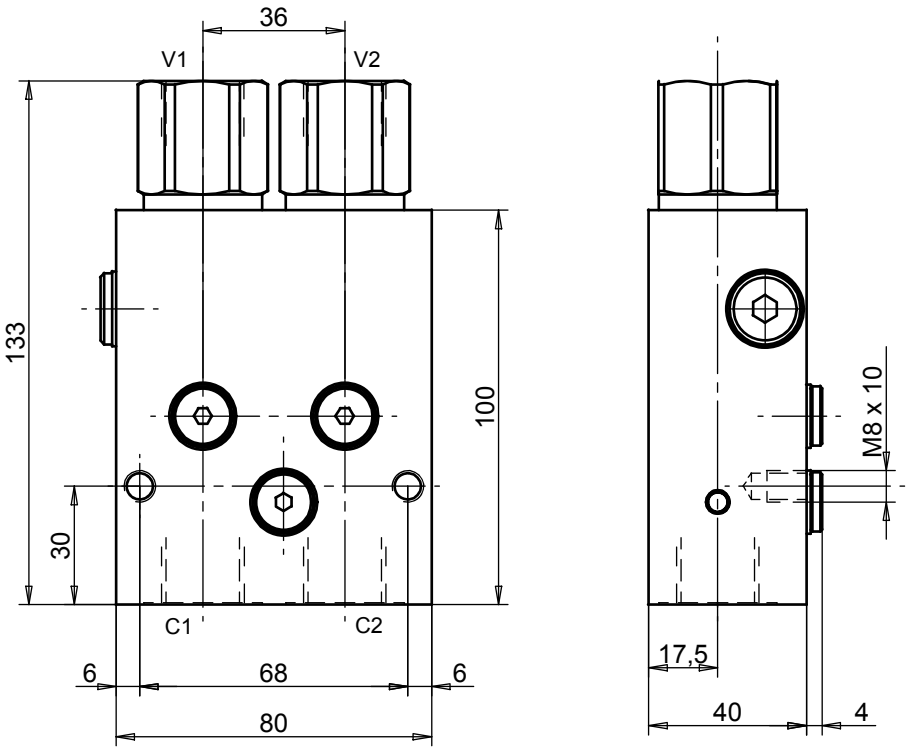
04	3/4

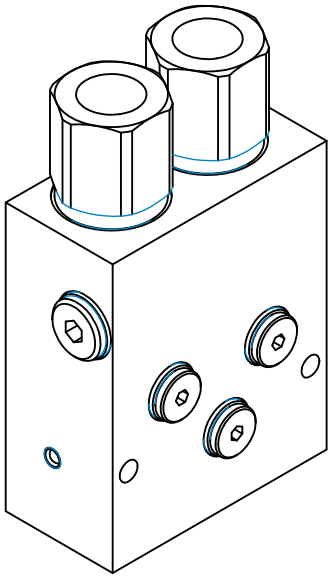
Spring

	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
20	50 - 210	35	150
30	100 - 350	60	200

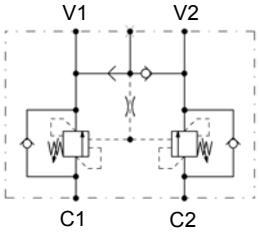
Ordering Code Example: CBDLA0430 - 3/4" BSP Ports - 100-350 bar setting range.

Dimensions

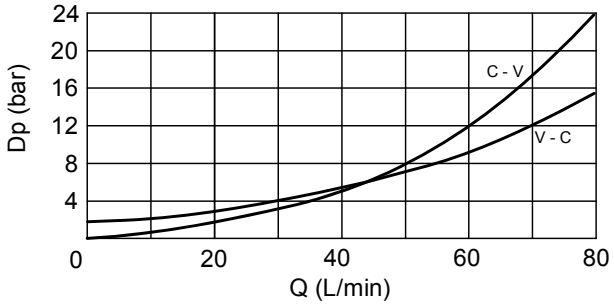




Hydraulic Symbol



Curves



Features

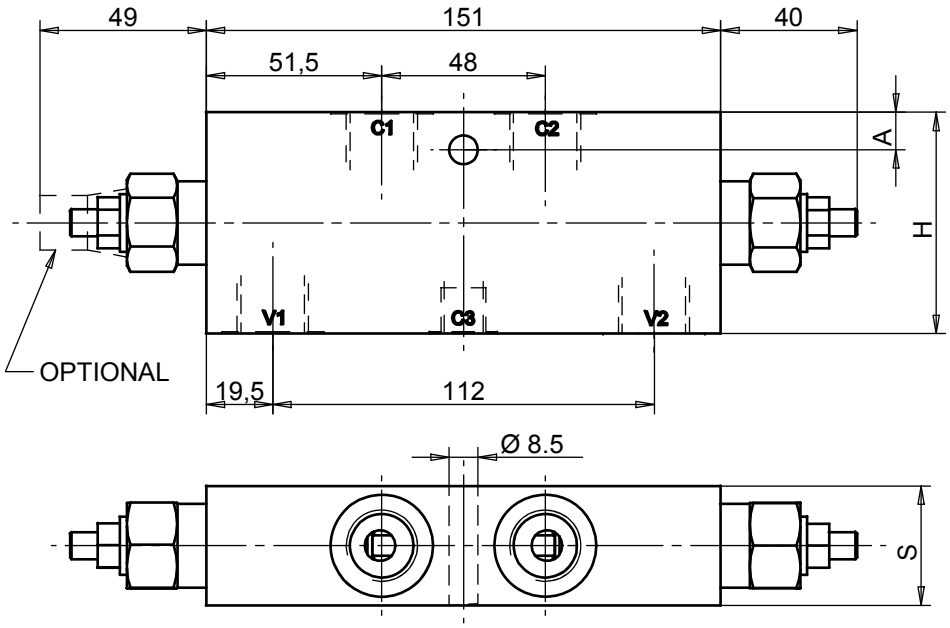
Max Flow	80 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

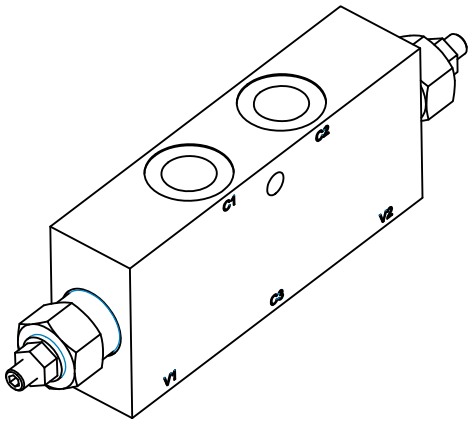
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

CBDLIL 03

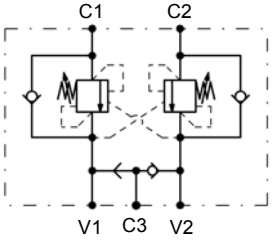
Dimensions



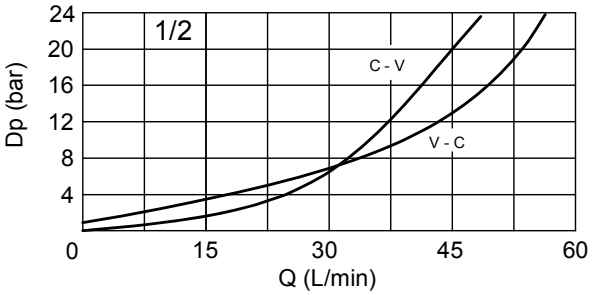


Size	V1 - V2 C1 - C2	C3	A	H	S
02	G 3/8	G 1/4	8,5	55	30
03	G 1/2	G 1/4	11	65	35

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

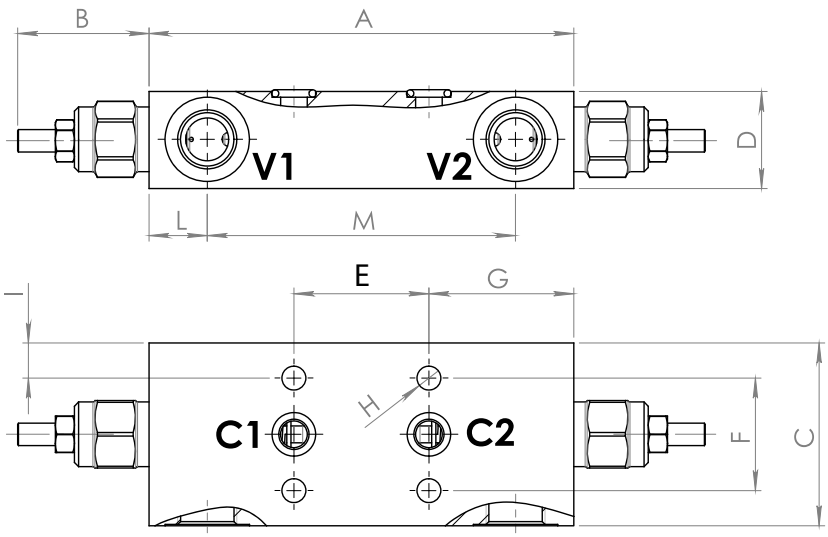
Ordering Code

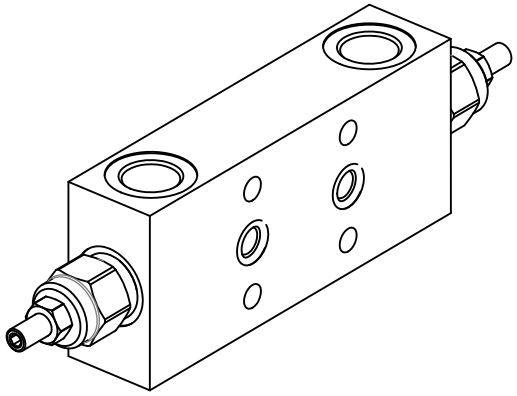
CBDLSF	- -

	Port Size BSP
02	3/8
03	1/2

Ordering Code Example: **CBDLSF02** - 3/8" BSP Ports - 100-350 bar setting range - 4,2 : 1Pilot Ratio.

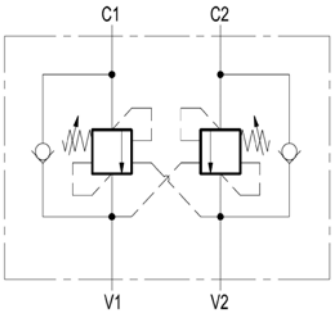
Dimensions



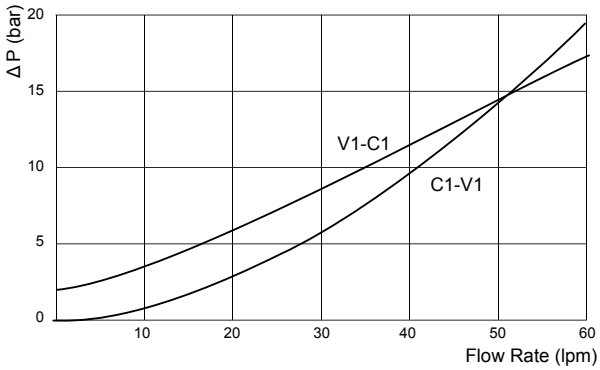


Size	A	B max	C	V1-V2 bsp	D	E	F	G	H	I	L	M	Weight kg
02	151	47	55	3/8	29,5	48	40	51,5	8,5	7,5	20,7	109,6	1,90
03	151	47	65	1/2	34,5	48	40	51,5	8,5	12,5	20,7	109,6	2,57

Hydraulic Symbol



Curves



Features

Rated Flow	60 lpm
Max Pressure	350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

Notice: Relief setting at least 1,3 times the highest expected load-induced pressure.

Ordering Code

CBDLF	- -	- -	-

Port Size BSP

02	3/8
03	1/2

Spring

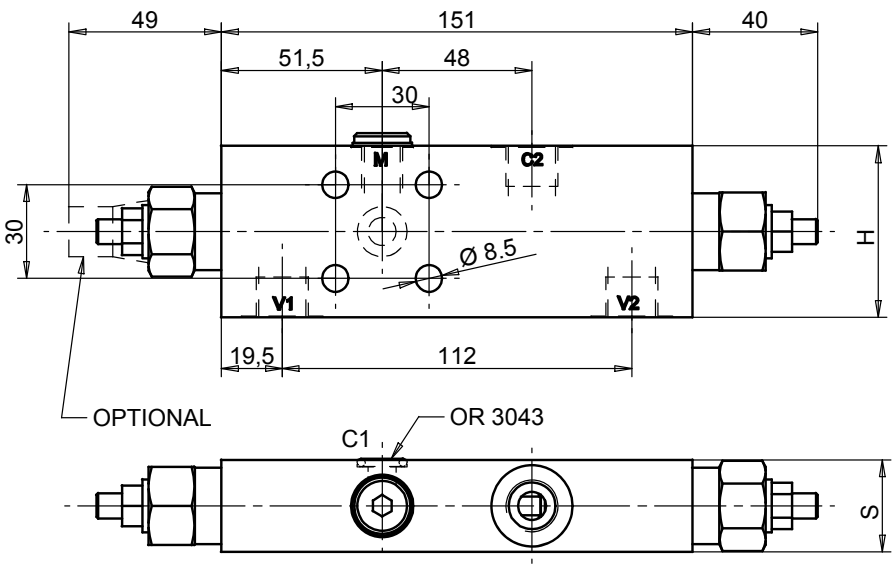
	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
20	60 - 210	61	180
30	100 - 350	100	250

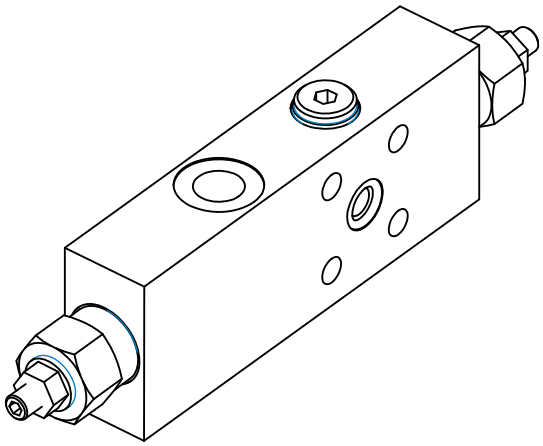
Pilot Ratio

	4,2 : 1
8	8 : 1

Ordering Code Example: CBDLF0330 = 1/2 BSP Ports - 100-350 bar setting range, 4,2:1 Pilot Ratio.

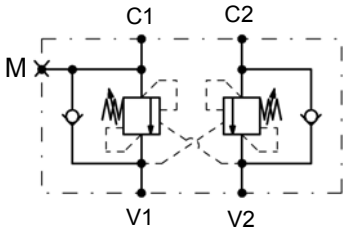
Dimensions



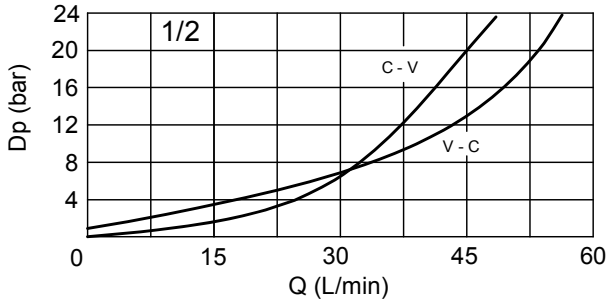


Size	V1 - V2 C2	C1	M	H	S
02	G 3/8	Ø 9	G 1/4	55	29,5
03	G 1/2	Ø 9	G 1/4	65	34,5

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

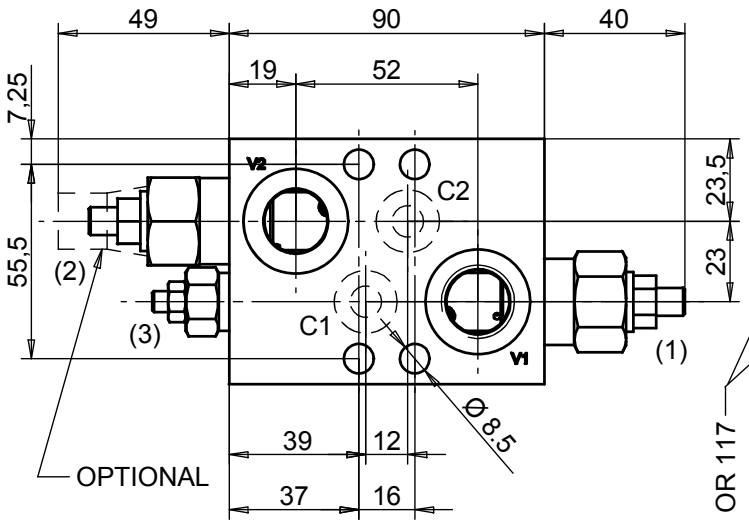
Ordering Code

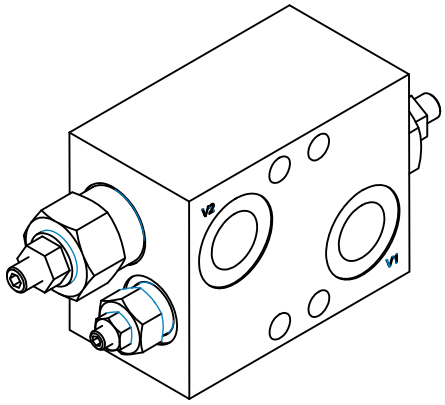
CBDL1F	- -

	Port Size BSP
02	3/8
03	1/2

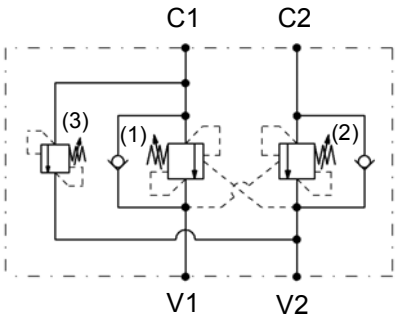
Ordering Code Example: **CBDL1F03** - 1/2" BSP Ports - 100-350 bar setting range.

Dimensions

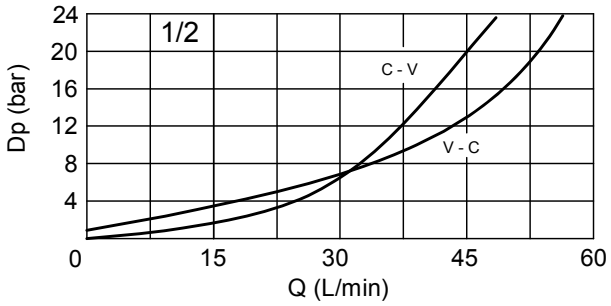




Hydraulic Symbol



Curves



Features

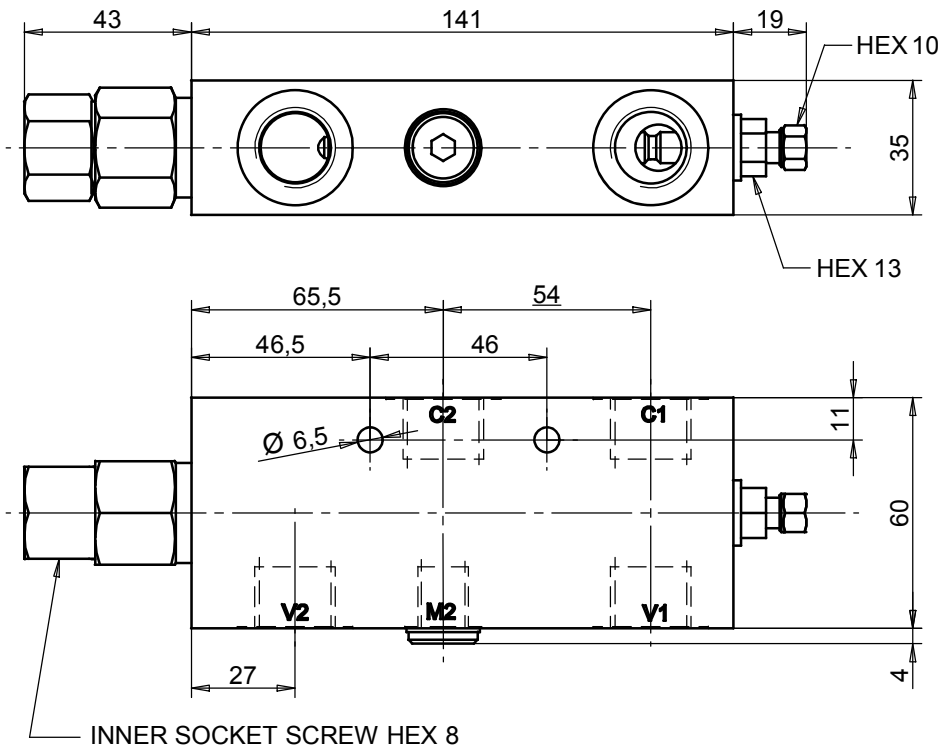
Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	(1)-(2): 100 - 350 bar (3): 200 - 400 bar
Ports	1/2 bsp

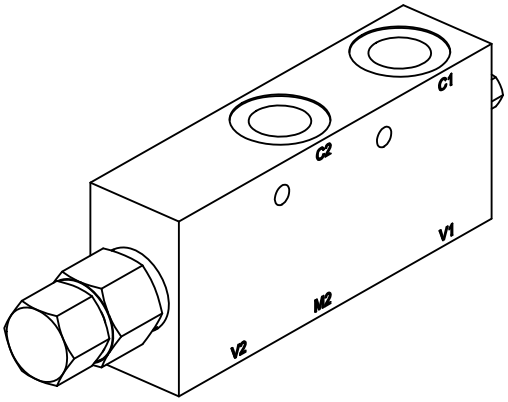
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

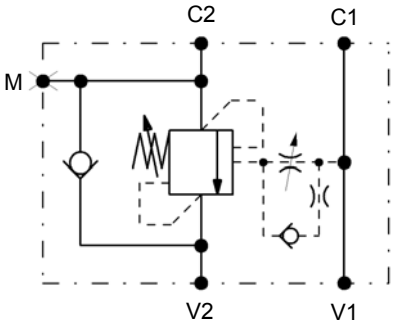
CBDLFR 03

Dimensions

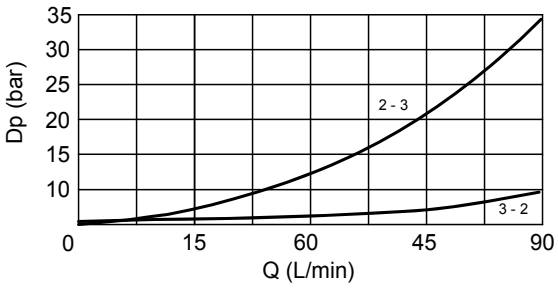




Hydraulic Symbol



Curves



Features

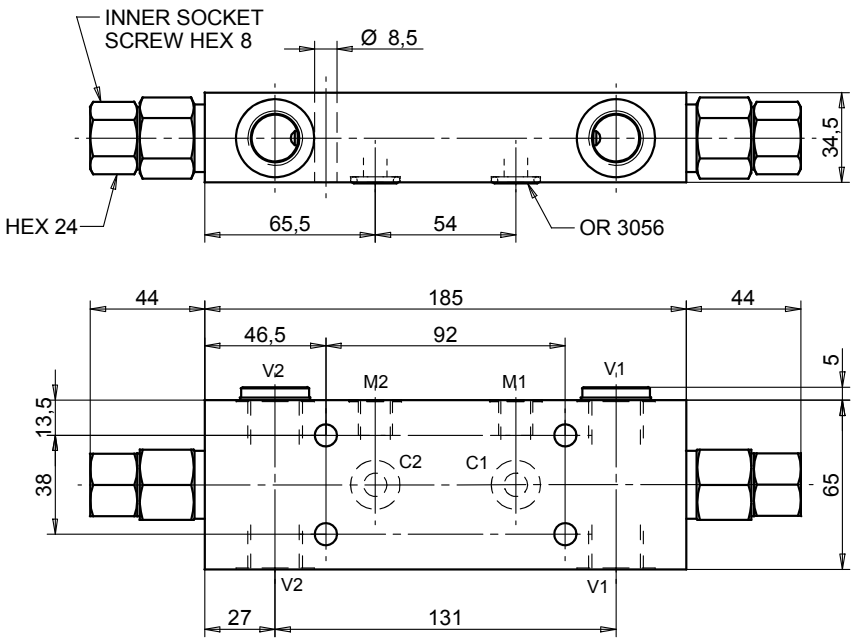
Max Flow	90 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar
Ports	V1-V2: G 1/2 C1-C2: G 1/2 M: G 1/4

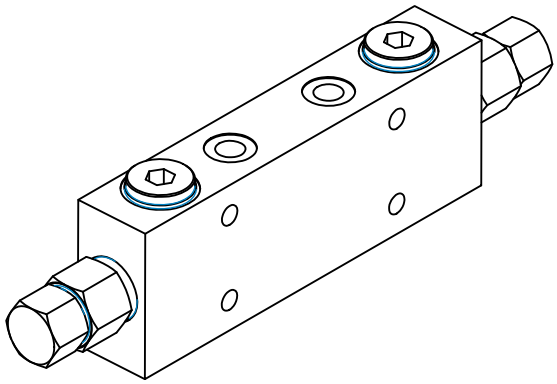
Materials: Zinc plated steel body

Ordering Code

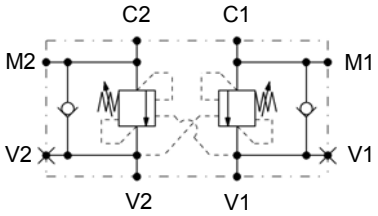
CB90SL 03

Dimensions

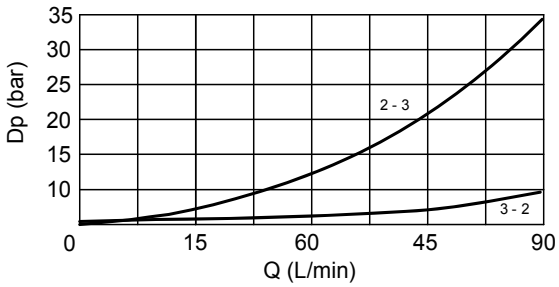




Hydraulic Symbol



Curves



Features

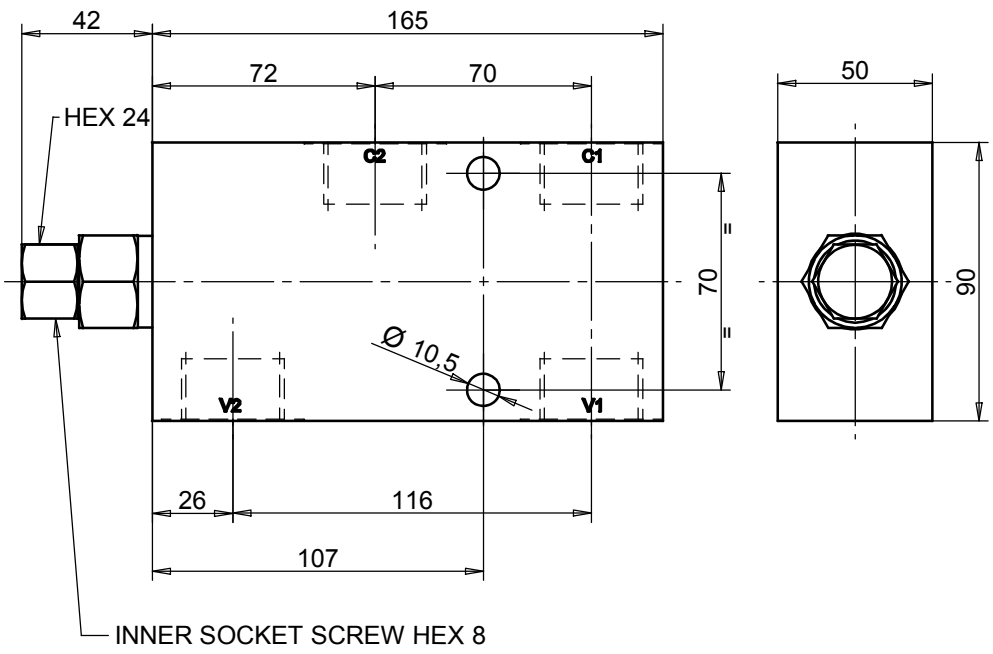
Max Flow	90 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar
Ports	1/2 bsp

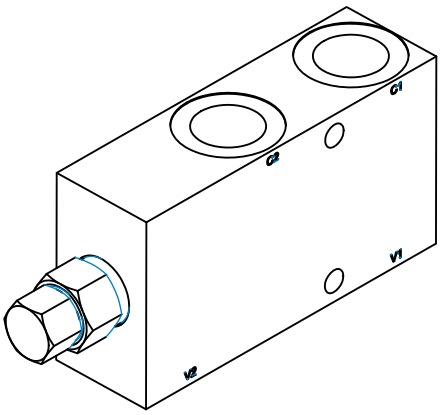
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

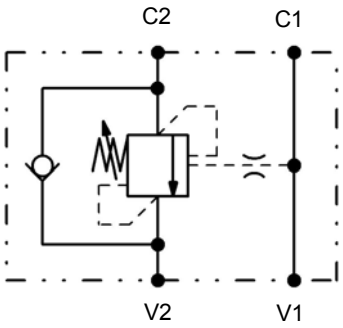
CB90DLF 03

Dimensions

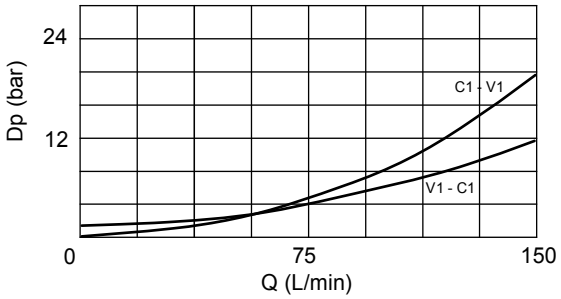




Hydraulic Symbol



Curves



Features

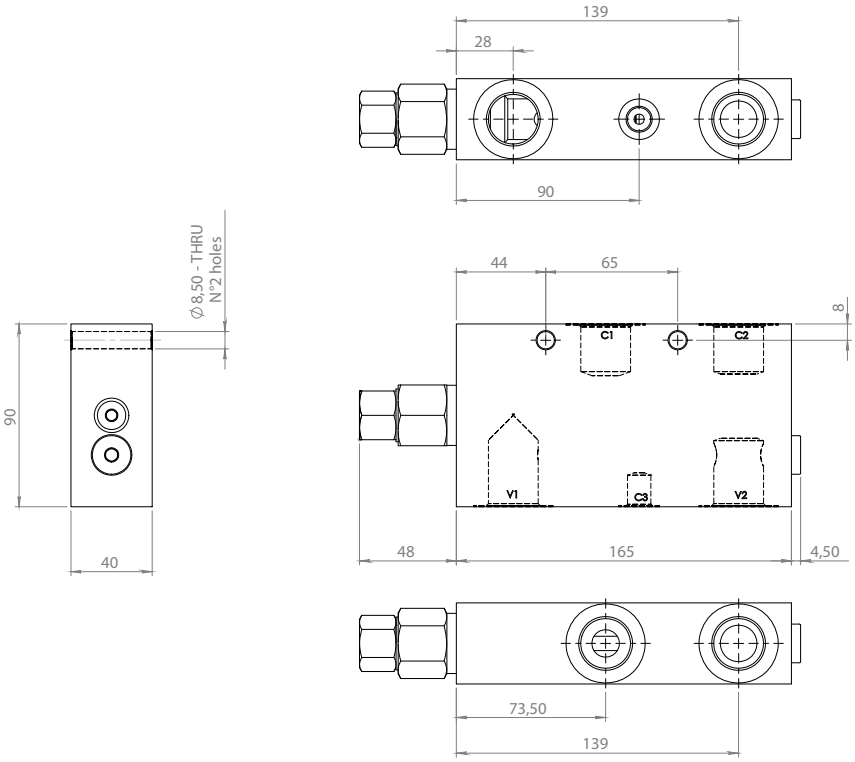
Max Flow	165 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar
Ports	V1-V2: G 1" C1-C2: G 1"

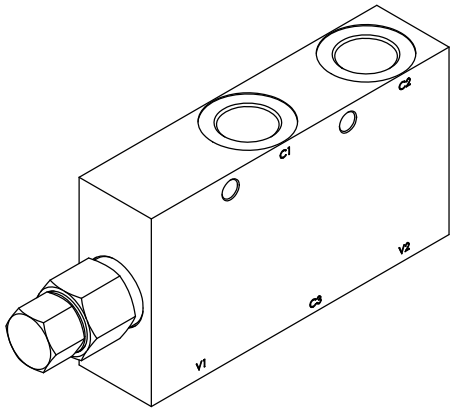
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

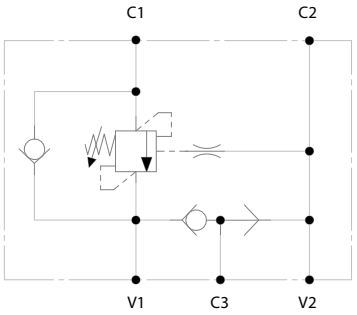
CB150SL05

Dimensions

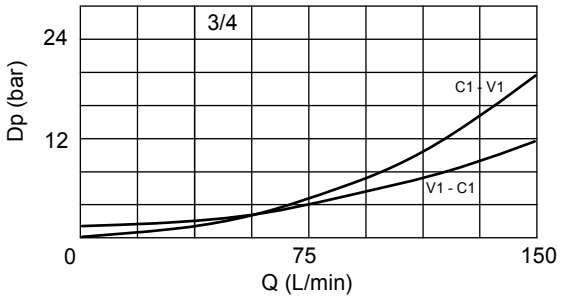




Hydraulic Symbol



Curves



Features

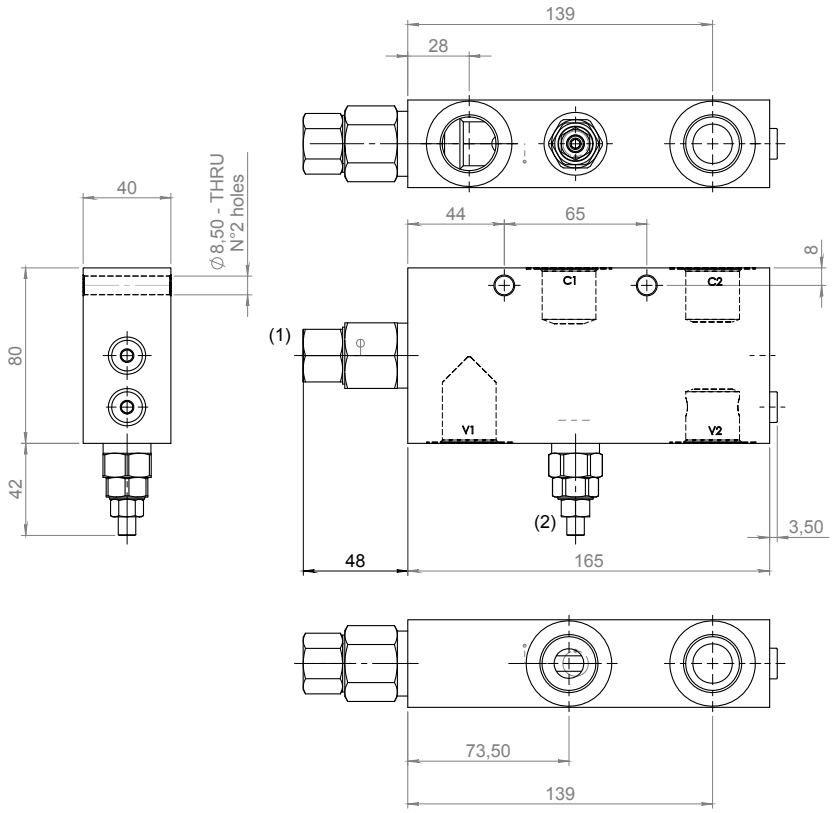
Max Flow	150 lpm
Max Pressure	350 bar
Overcentre setting range	100 ÷ 350 bar
Pilot Ratio	4:1
Port Sizes	V1-V2-C1-C2 = G 3/4 BSP C3 = G 1/4 BSP

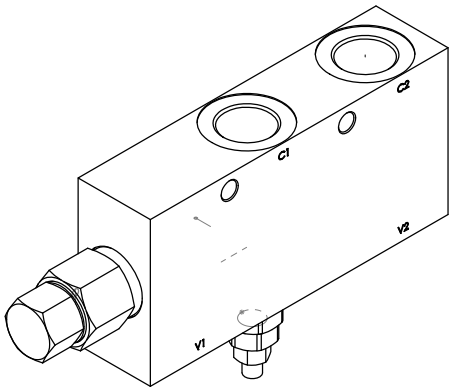
Materials: Aluminium manifold.

Ordering Code

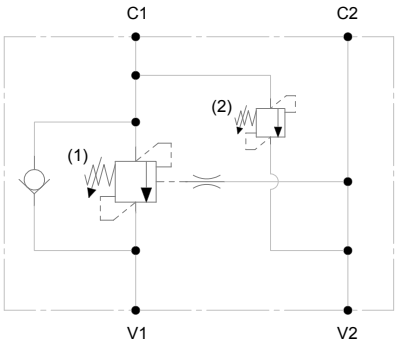
CB150SLSF04

Dimensions

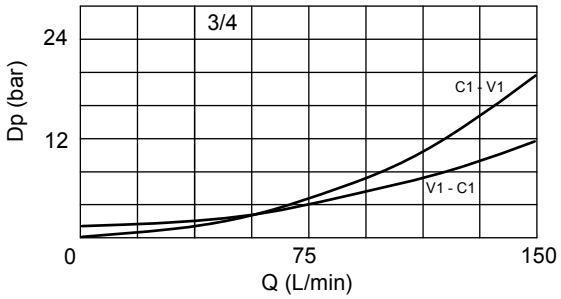




Hydraulic Symbol



Curves



Features

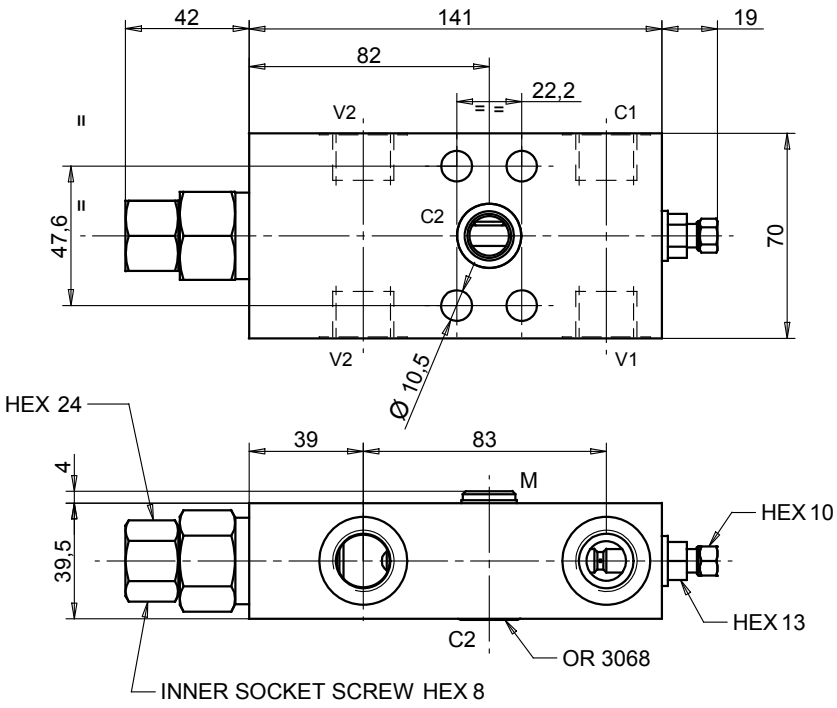
Max Flow	150 lpm
Max Pressure	350 bar
Overcentre setting range	100 ÷ 350 bar
Pilot Ratio	4:1
Port Sizes	V1-V2-C1-C2 = G 3/4 BSP

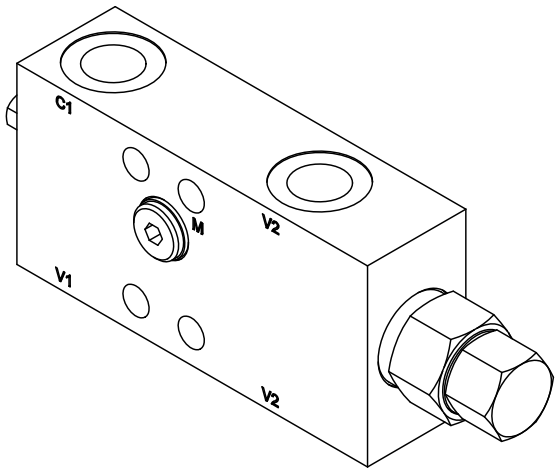
Materials: Aluminium manifold.

Ordering Code

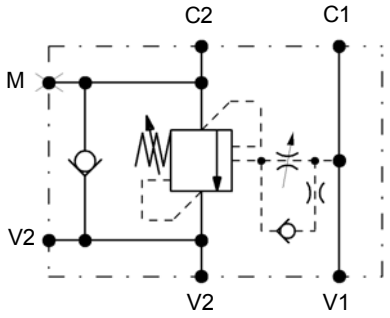
CB150SLR04

Dimensions

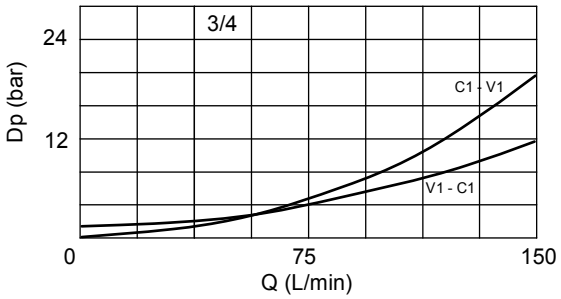




Hydraulic Symbol



Curves



Features

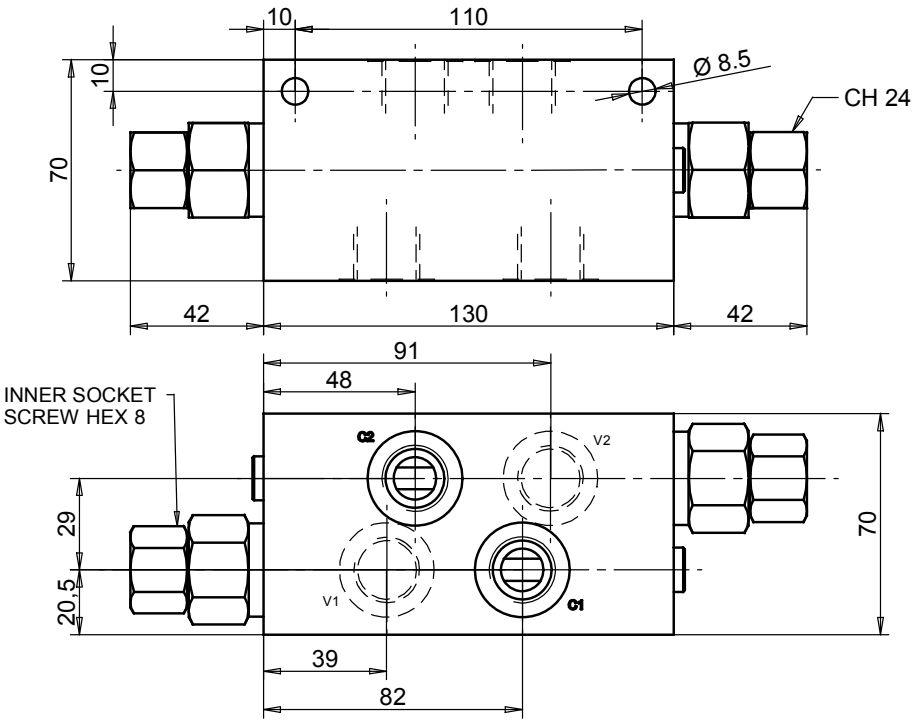
Max Flow	150 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar
Ports	V1-V2-C1: G 1/2 C2: 3/4" SAE 3000 M: G 1/4

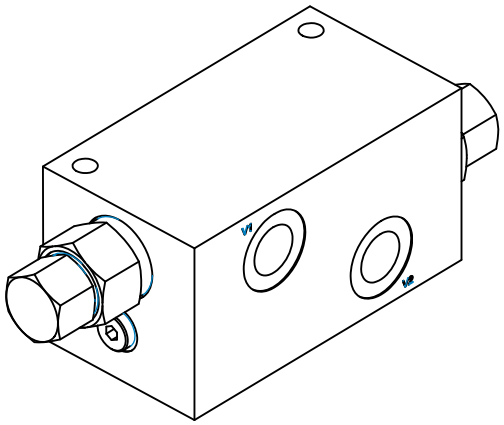
Materials: Zinc plated steel body

Ordering Code

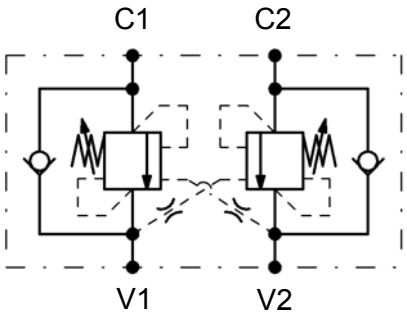
CB150SLS 03

Dimensions

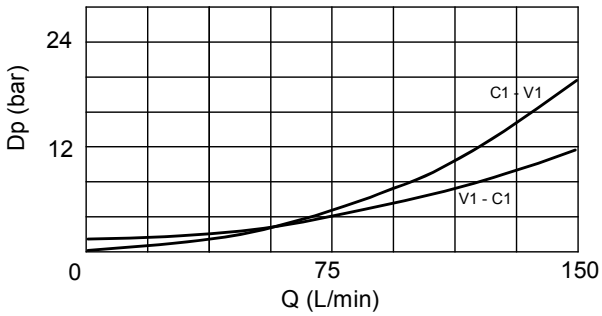




Hydraulic Symbol



Curves



Features

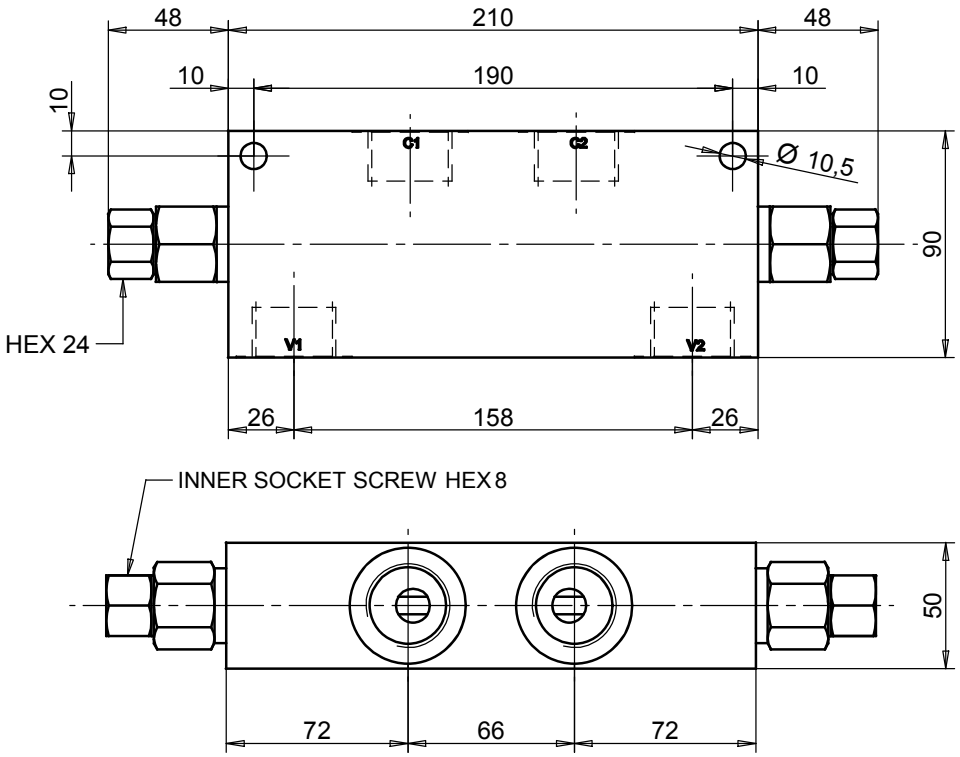
Max Flow	150 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Ports	1/2 bsp

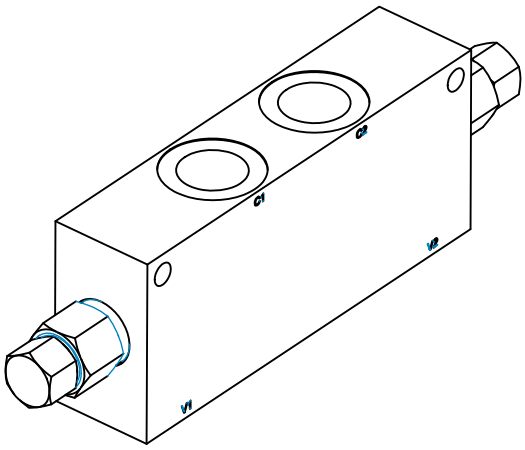
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

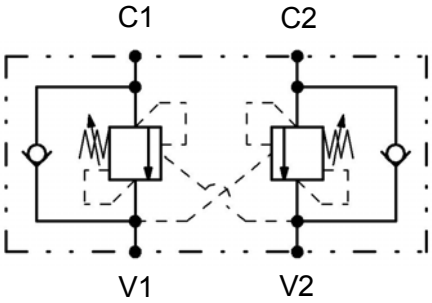
CB150DL 03

Dimensions

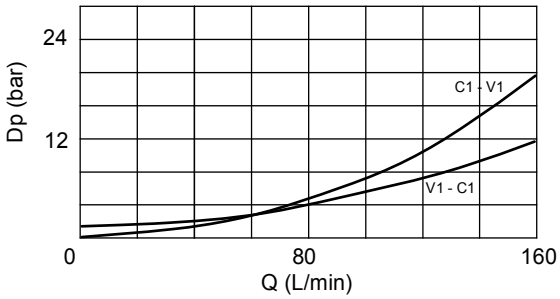




Hydraulic Symbol



Curves



Features

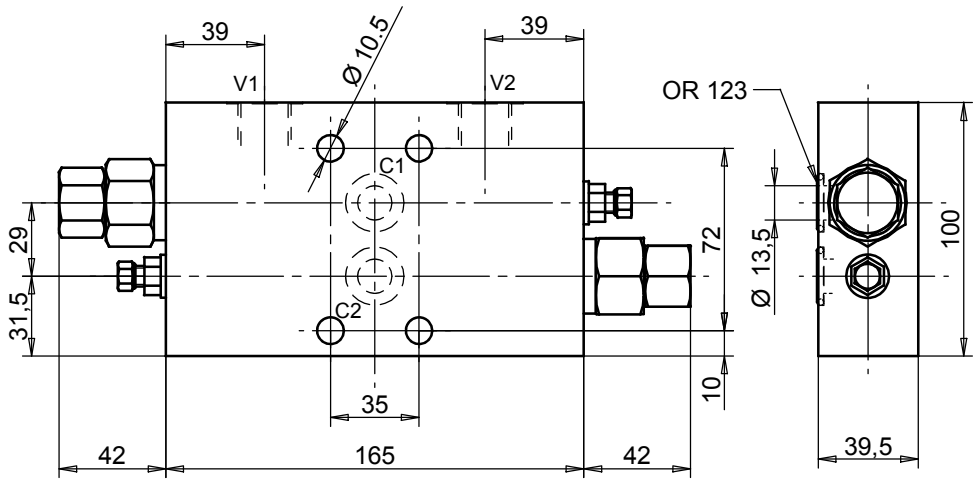
Max Flow	165 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar
Ports	V1-V2: G 1" C1-C2: G1"

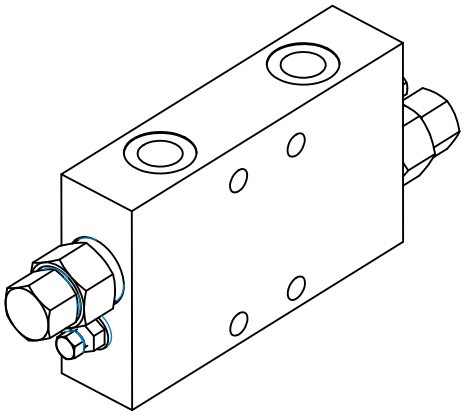
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

CB150DL 05

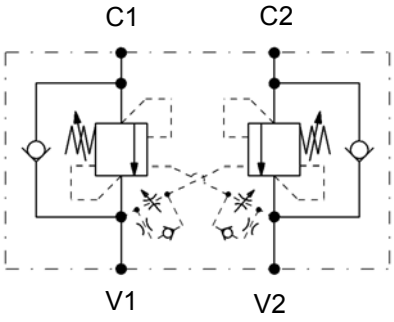
Dimensions



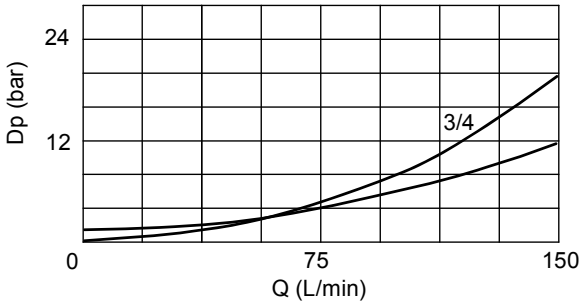


Size	V1 - V2 bsp	C1 - C2 Ø
03	1/2	13,5
04	3/4	13,5

Hydraulic Symbol



Curves



Features

Max Flow	150 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

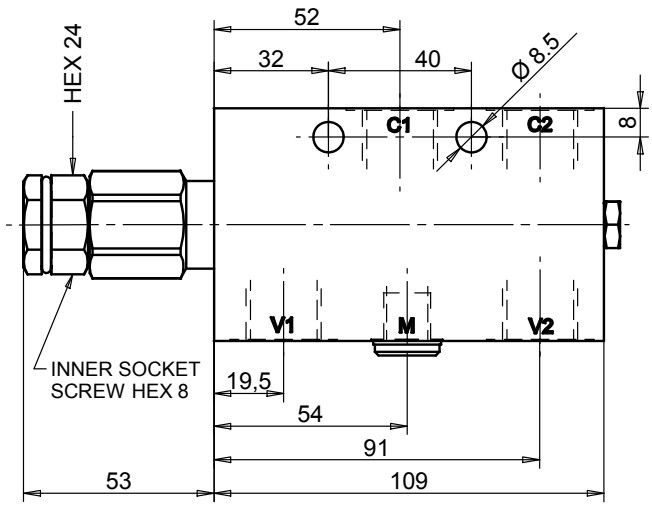
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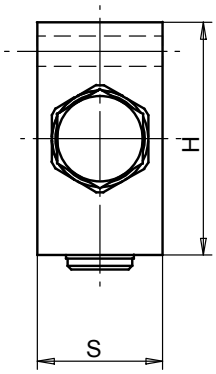
CB150DLF **- -**

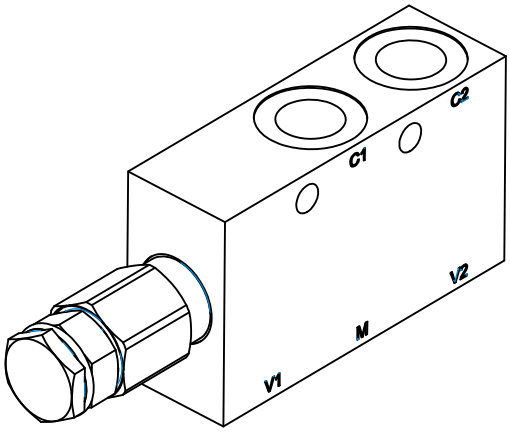
	Port Size BSP
03	1/2
04	3/4

Ordering Code Example: **CB150DLF04** - 3/4" BSP Ports - 100-350 bar setting range.

Dimensions

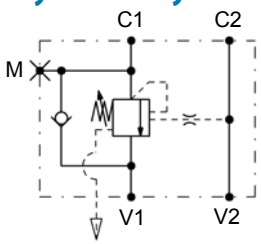




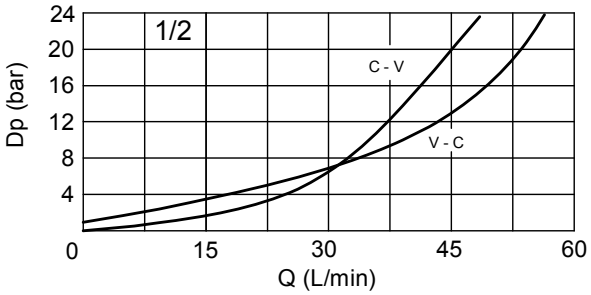


Size	V1 - V2 C1 - C2	M	H	S
02	G 3/8	-	55	30
03	G 1/2	G 1/4	65	35

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

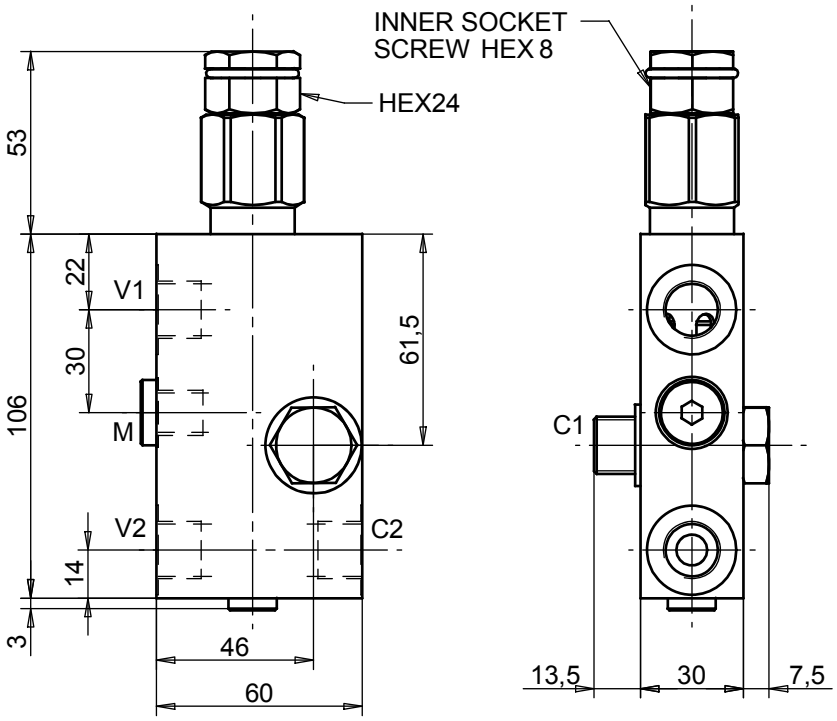
Ordering Code

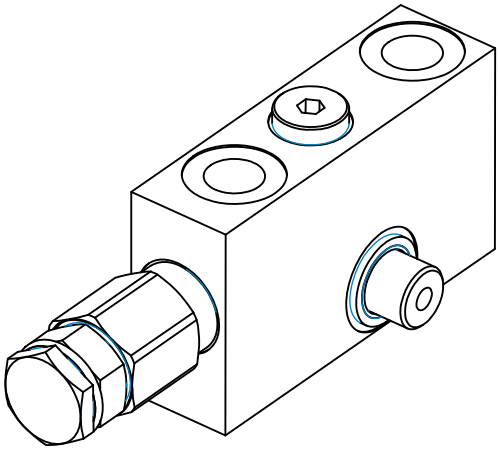
CBSLCC	- -

	Port Size BSP
02	3/8
03	1/2

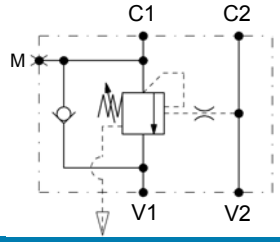
Ordering Code Example: **CBSLCC02** - 3/8" BSP Ports - 100-350 bar setting range.

Dimensions

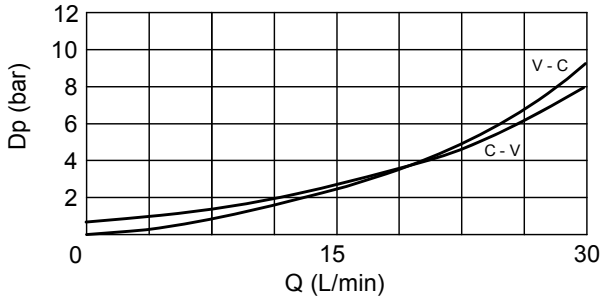




Hydraulic Symbol



Curves



Features

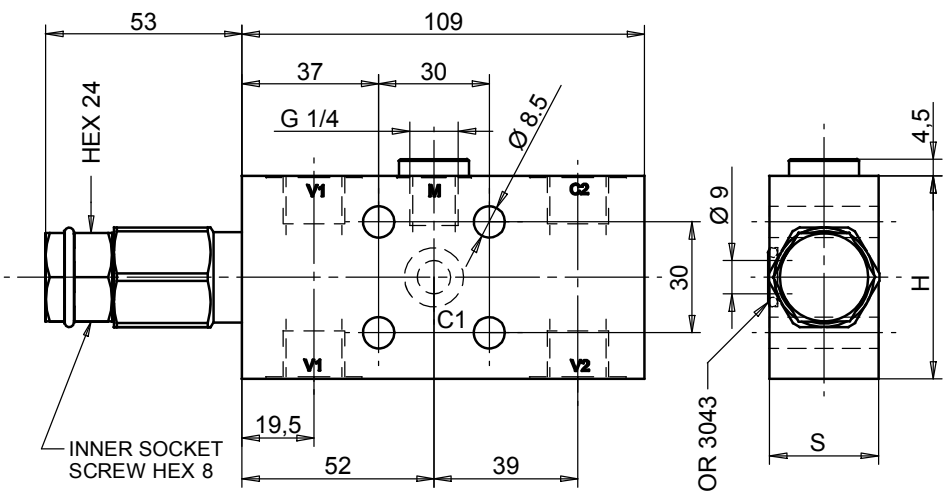
Max Flow	40 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar
Ports	3/8 bsp

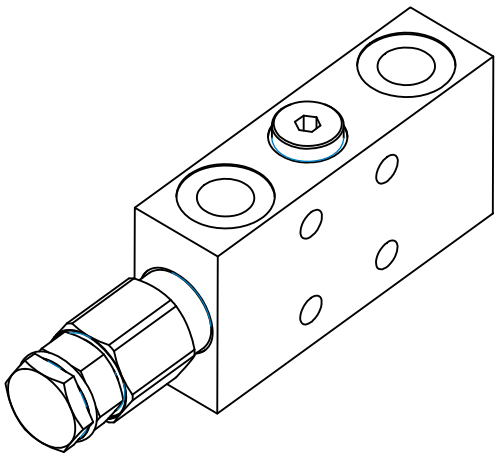
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

CBSEPFBCC 02

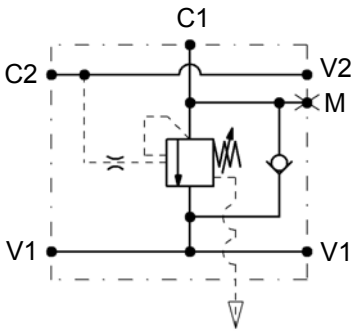
Dimensions



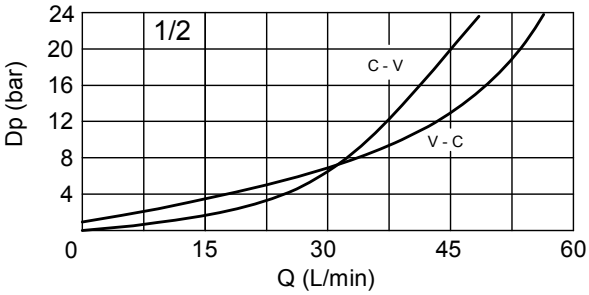


Size	V1 - V2 C2	H	S
02	G 3/8	55	29,5
03	G 1/2	65	34,5

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

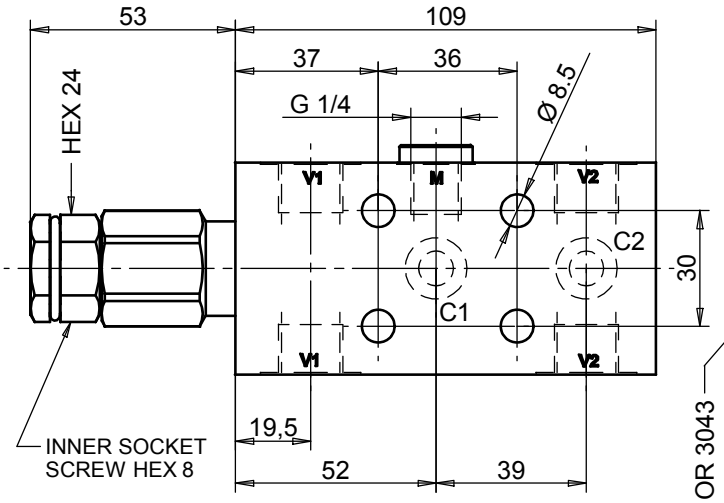
Ordering Code

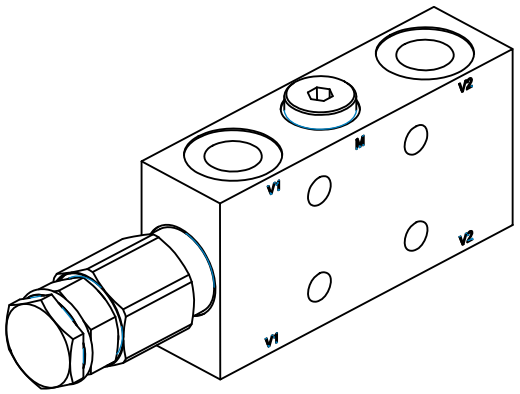
CBSL1FCC	- -

	Port Size BSP
02	3/8
03	1/2

Ordering Code Example: **CBSL1FCC02** - 3/8" BSP Ports - 100-350 bar setting range.

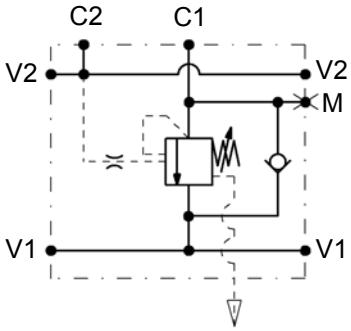
Dimensions



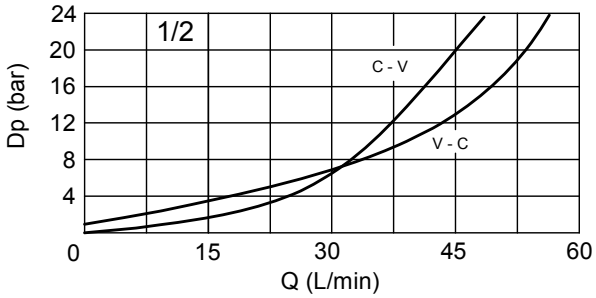


Size	V1 - V2 C2	H	S
02	G 3/8	55	29,5
03	G 1/2	65	34,5

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

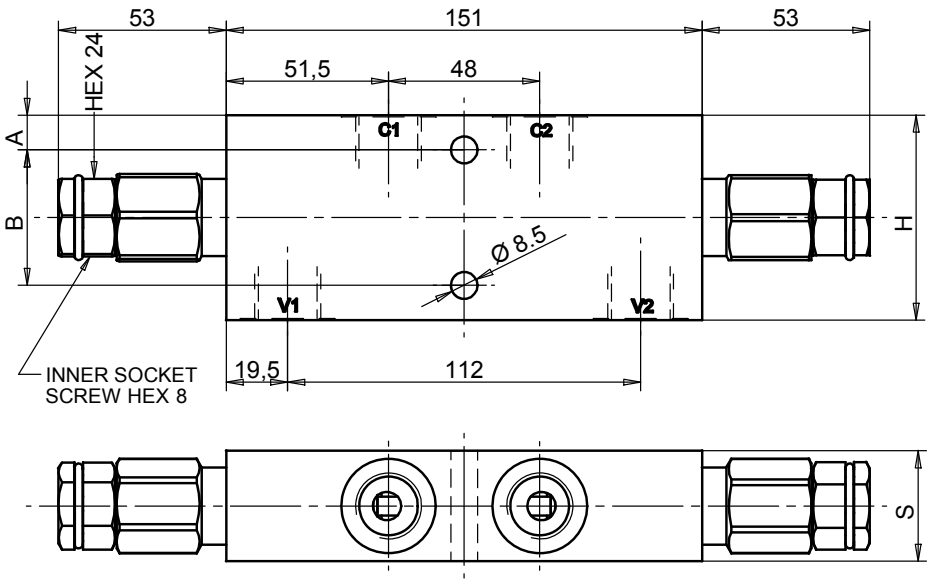
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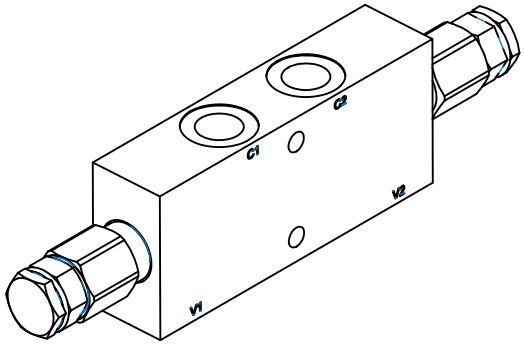
CBSL2FCC	- -

	Port Size BSP
02	3/8
03	1/2

Ordering Code Example: **CBSL2FCC03** - 1/2" BSP Ports - 100-350 bar setting range.

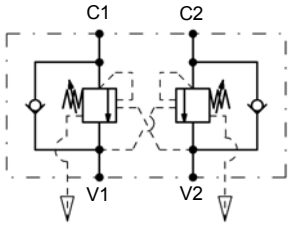
Dimensions



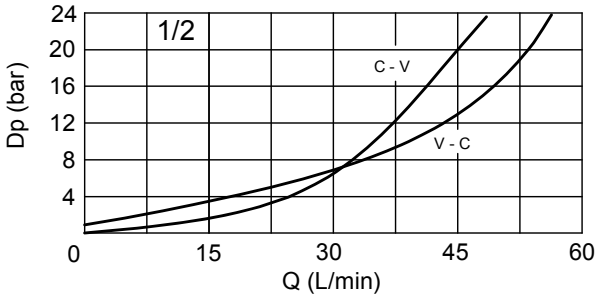


Size	V1 - V2	A	B	H	S
02	G 3/8	8,5	38	55	30
03	G 1/2	11	43	65	35

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

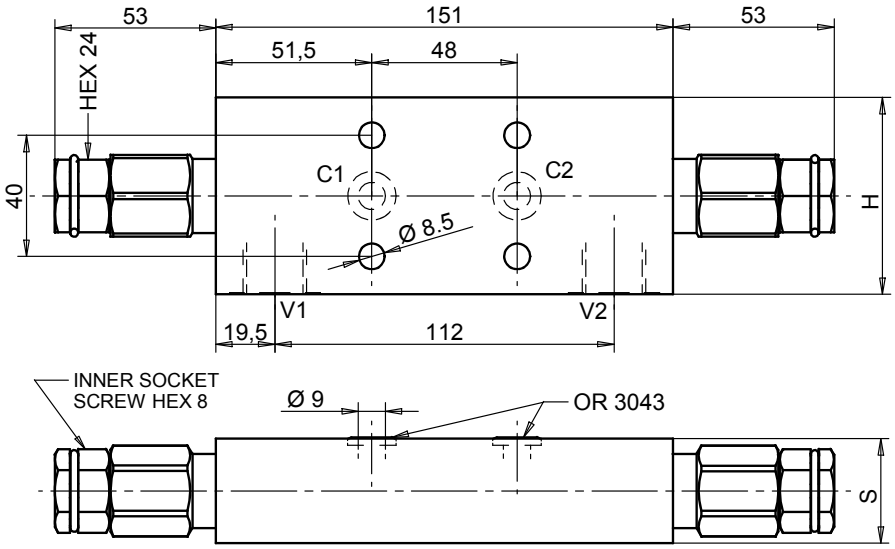
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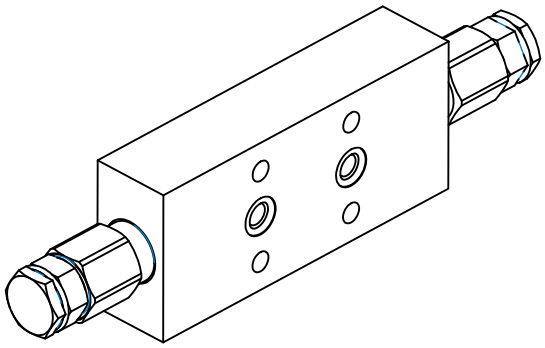
CBDLCC	- -

	Port Size BSP
02	3/8
03	1/2

Ordering Code Example: **CBDLCC02** - 3/8" BSP Ports - 100-350 bar setting range.

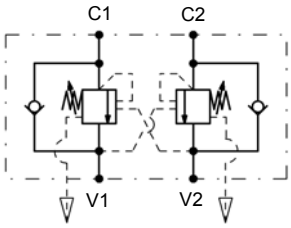
Dimensions



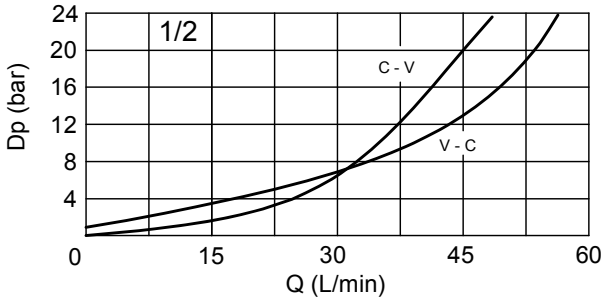


Size	V1 - V2	H	S
02	G 3/8	55	30
03	G 1/2	65	35

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

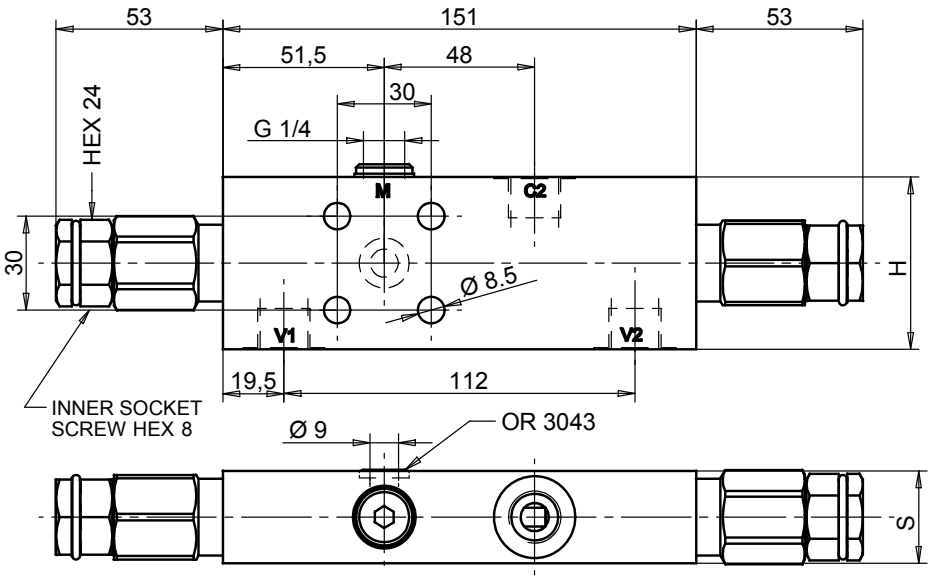
Ordering Code

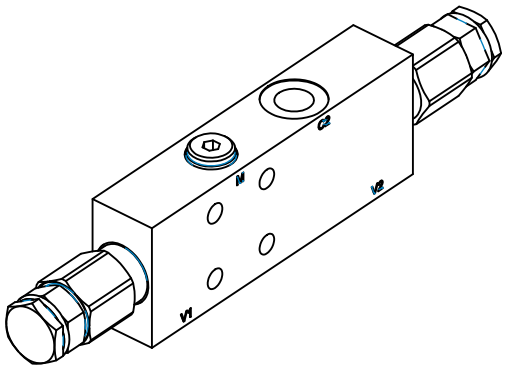
CBDLFCC **- -**

	Port Size BSP
02	3/8
03	1/2

Ordering Code Example: **CBDLFCC03** - 1/2" BSP Ports - 100-350 bar setting range.

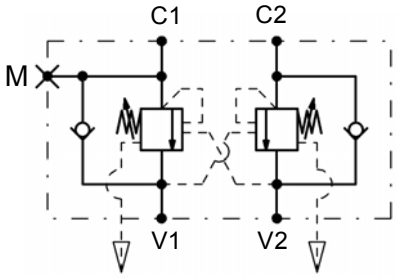
Dimensions



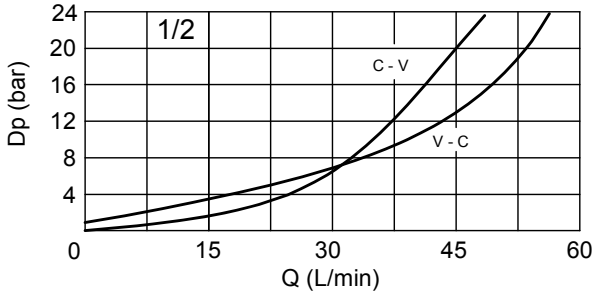


Size	V1 - V2	H	S
02	G 3/8	55	29,5
03	G 1/2	65	34,5

Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

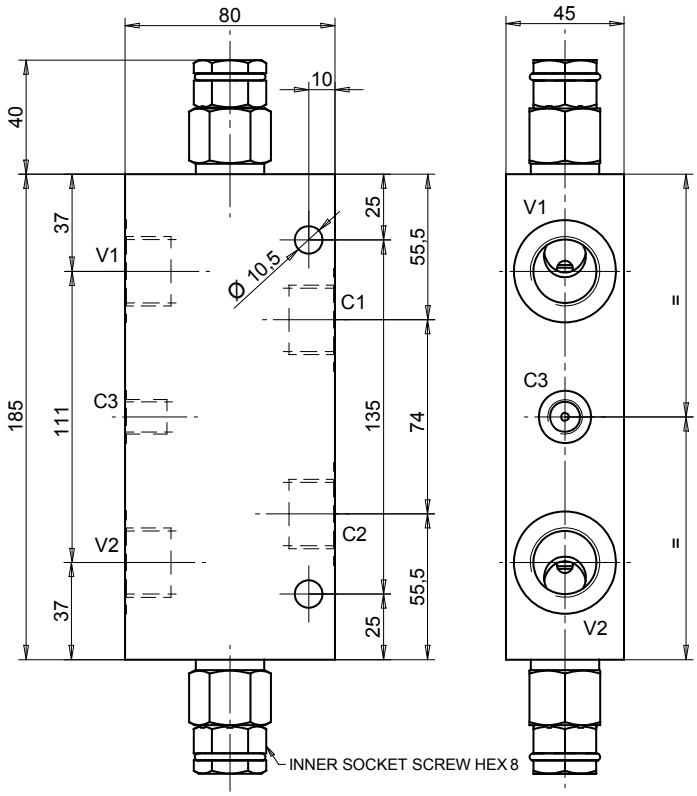
Ordering Code

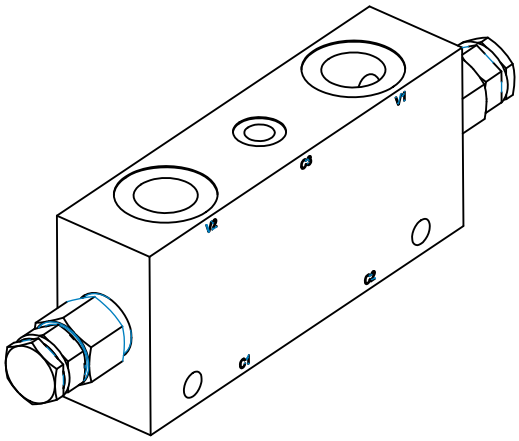
CBDL1FCC - -

	Port Size BSP
02	3/8
03	1/2

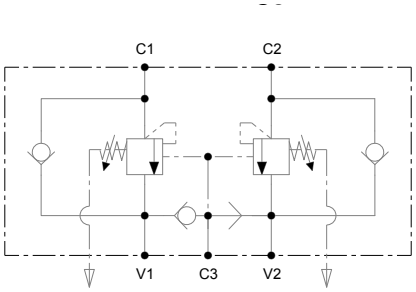
Ordering Code Example: **CBDL1FCC02** - 3/8" BSP Ports - 100-350 bar setting range.

Dimensions

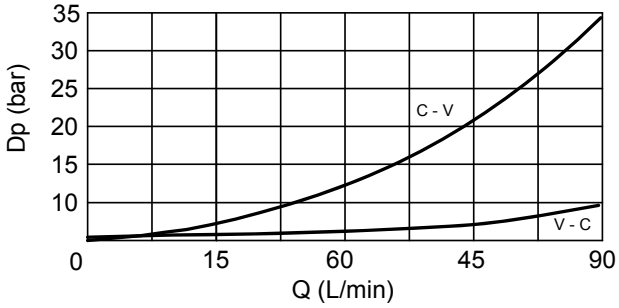




Hydraulic Symbol



Curves



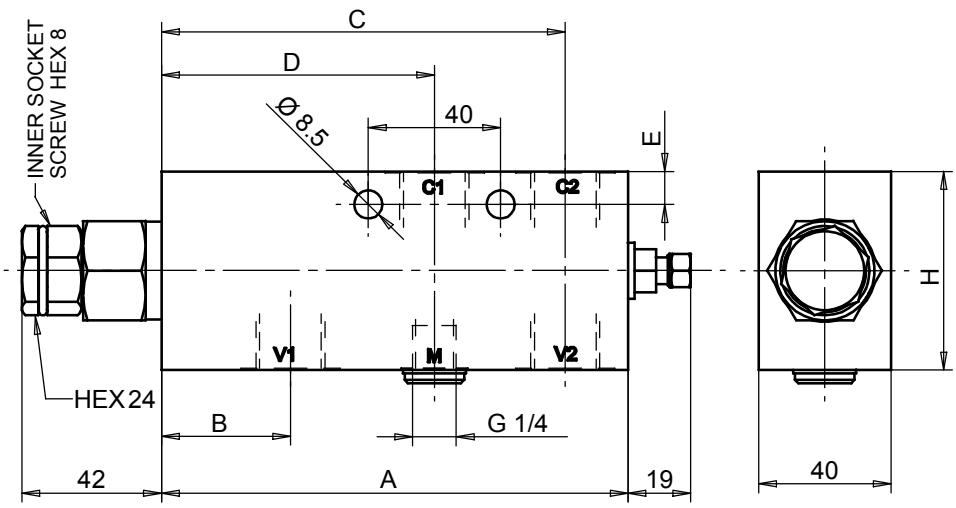
Features

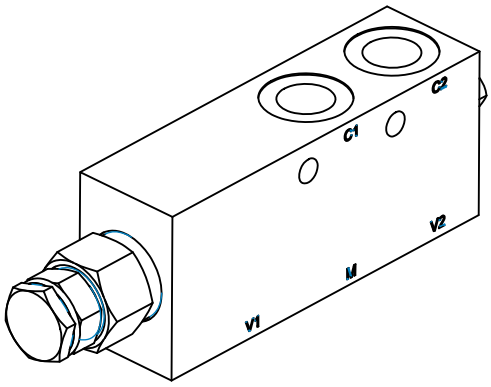
Max Flow	100 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar
Ports	V1-V2: G 3/4 C1-C2: G 3/4 C3: G 1/4

Ordering Code

CB90DLSFCC 04

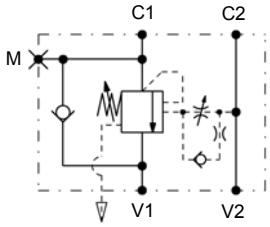
Dimensions



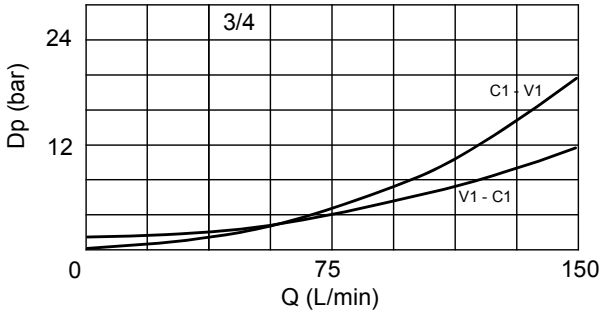


Size	V1 - V2	A	B	C	D	E	H
03	G 1/2	141	39	122,5	82,5	10	60
04	G 3/4	147	40	126	83	60	80

Hydraulic Symbol



Curves



Features

Max Flow	150 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

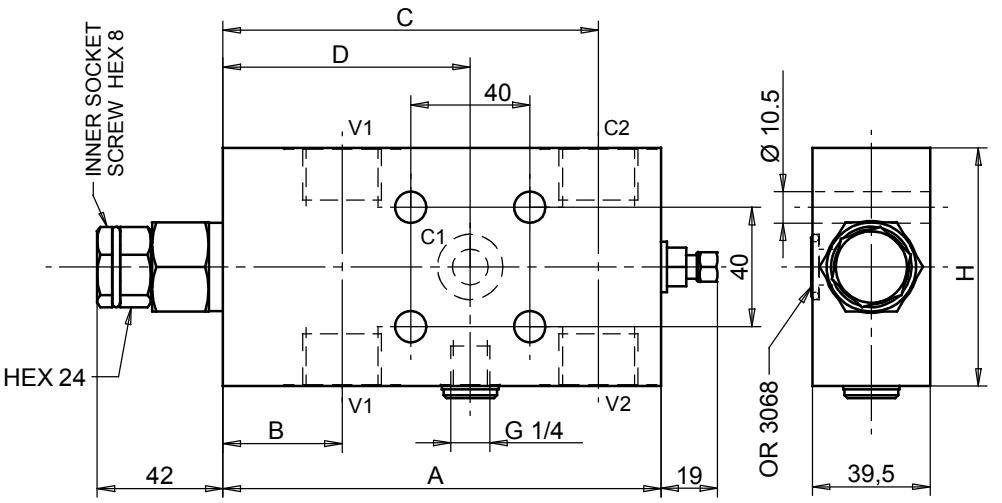
Ordering Code

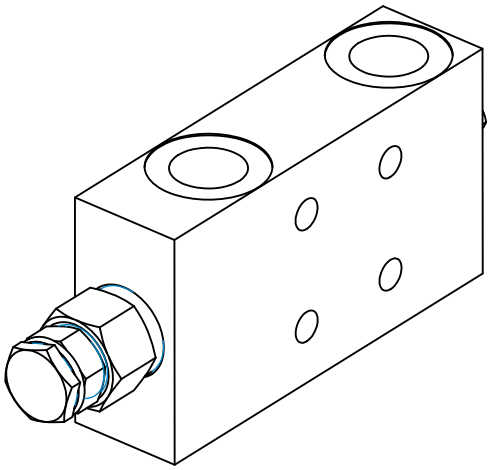
CB150SLCC **- -**

	Port Size BSP
03	1/2
04	3/4

Ordering Code Example: **CB150SLCC04** - 3/4" BSP Ports - 100-350 bar setting range.

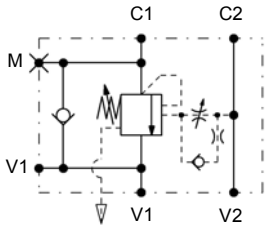
Dimensions



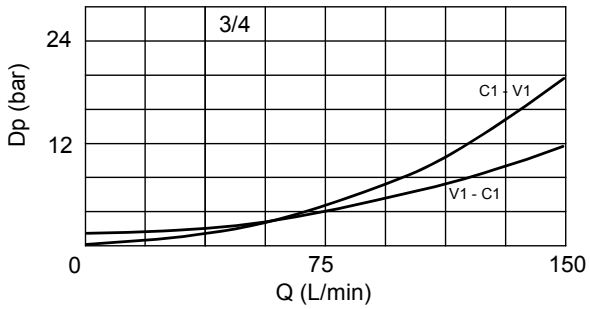


Size	V1 - V2	C1	A	B	C	D	H
03	G 1/2	12	141	39	122,5	82,5	60
04	G 3/4	12	141	40	126	83	80

Hydraulic Symbol



Curves



Features

Max Flow	150 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel manifold, hardened steel inner parts.

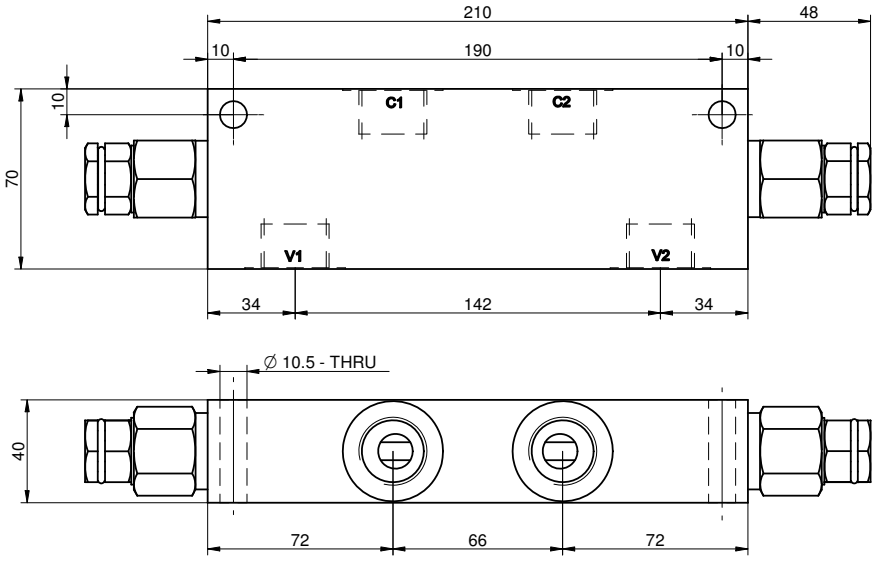
Ordering Code

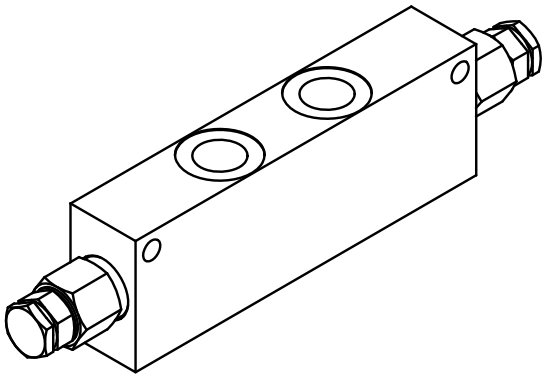
CB150SLFCC **- -**

	Port Size BSP
03	1/2
04	3/4

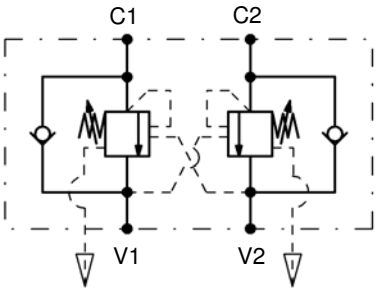
Ordering Code Example: **CB150SLFCC04** - 3/4" BSP Ports - 100-350 bar setting range.

Dimensions

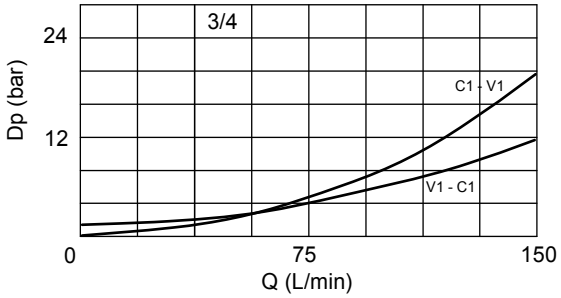




Hydraulic Symbol



Curves



Features

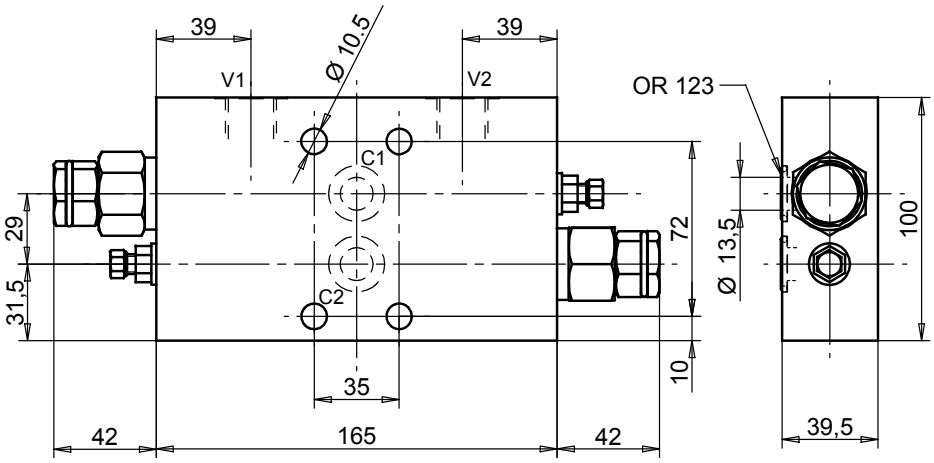
Max Flow	150 lpm
Max Pressure	350 bar
Overcentre setting range	100 ÷ 350 bar
Pilot Ratio	4:1
Port Sizes	V1-V2-C1-C2 = G 3/4 BSP

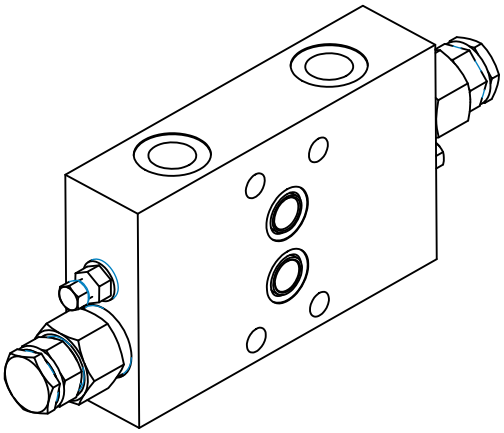
Materials: Aluminium manifold.

Ordering Code

CB150DLCC04

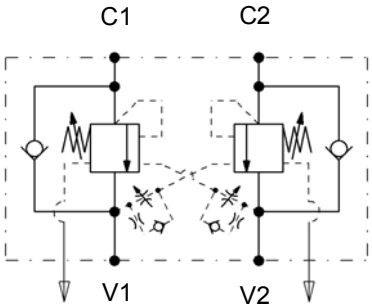
Dimensions



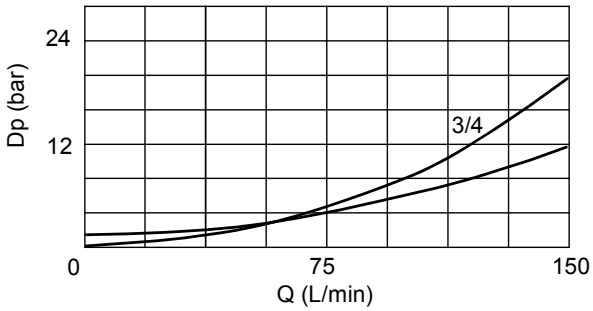


Size	V1 - V2 bsp	C1 - C2 Ø
03	1/2	13,5
04	3/4	13,5

Hydraulic Symbol



Curves



Features

Max Flow	150 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

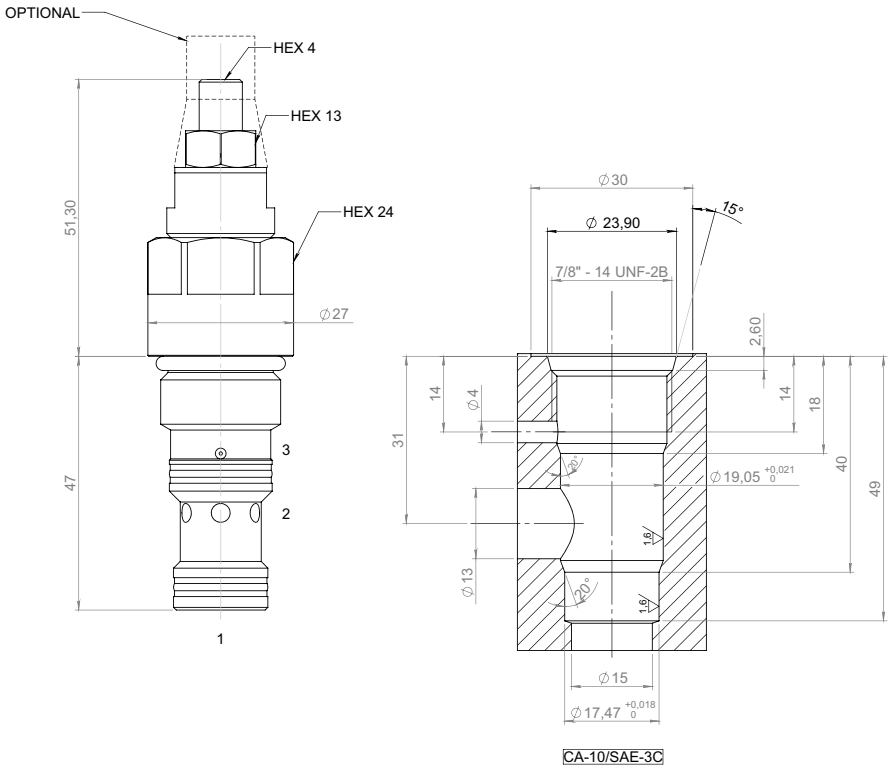
Ordering Code

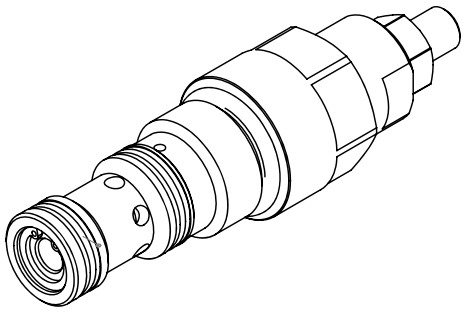
CB150DLFCC **- -**

	Port Size BSP
03	1/2
04	3/4

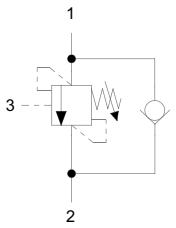
Ordering Code Example: **CB150DLFCC04** - 3/4" BSP Ports - 100-350 bar setting range.

Dimensions

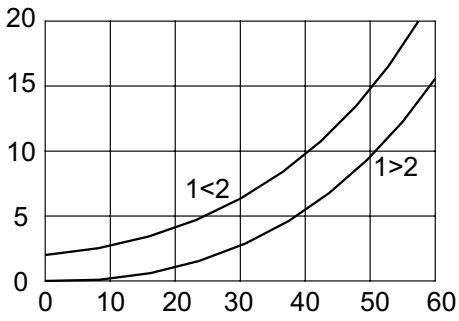




Hydraulic Symbol



Curves



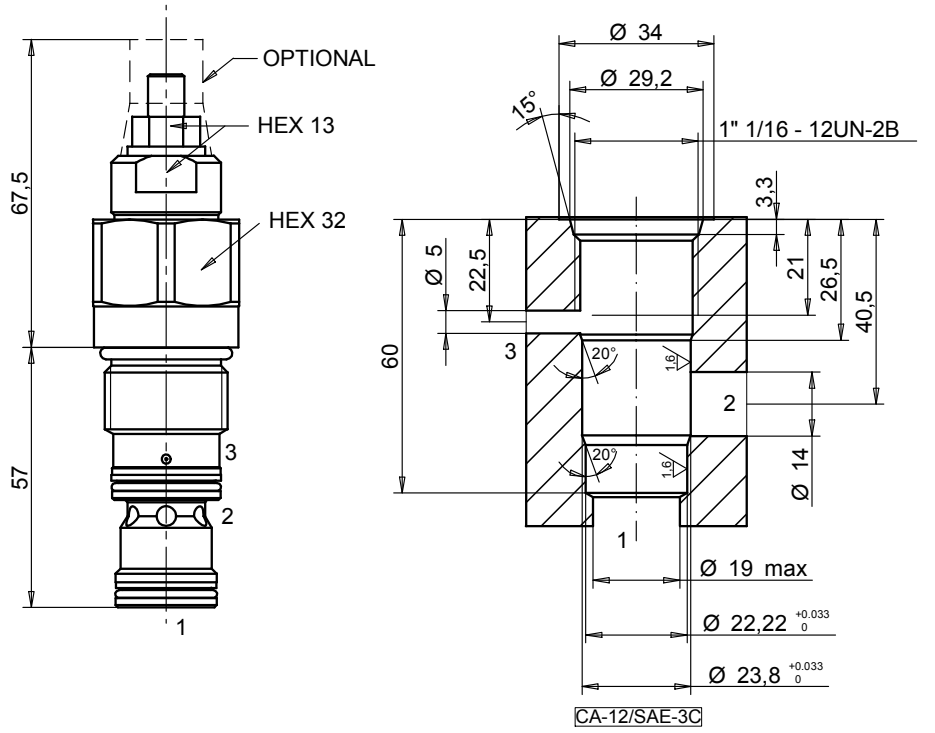
Features

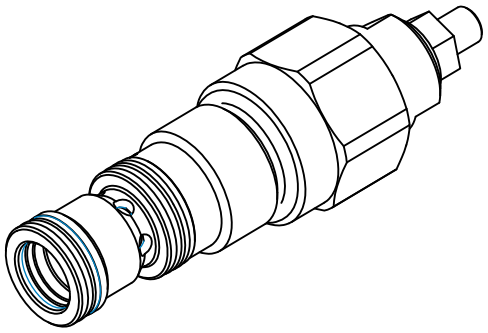
Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	3:1
Installation torque	50 - 60 Nm
Std. Pressure range	140 - 350 bar

Ordering Code

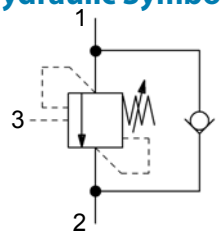
CBCE 60

Dimensions

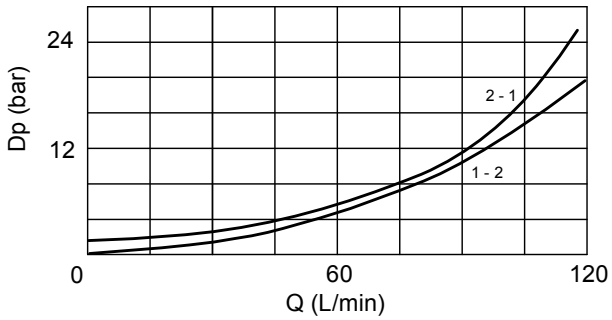




Hydraulic Symbol



Curves



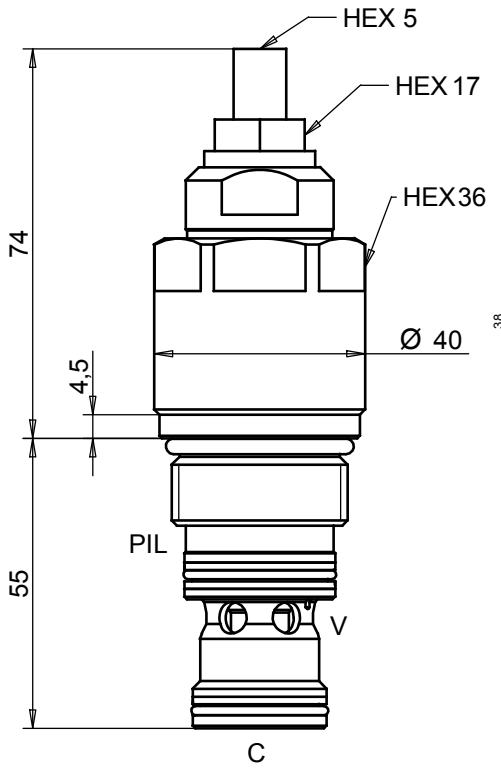
Features

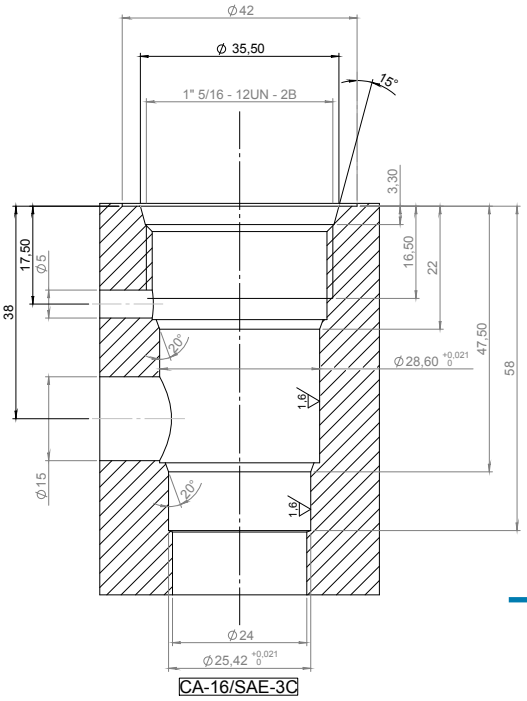
Max Flow	120 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Installation torque	75 - 85 Nm
Std. Pressure range	140 - 350 bar

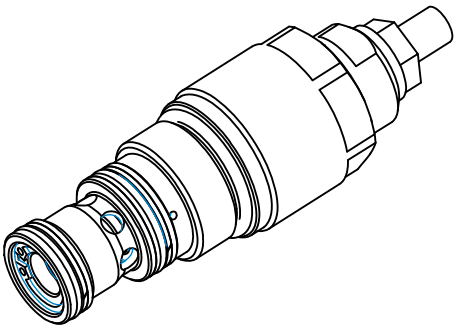
Ordering Code

CBCE 120

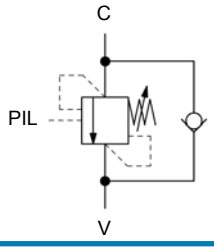
Dimensions



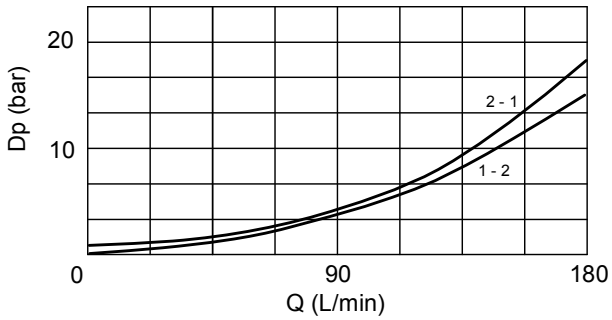




Hydraulic Symbol



Curves



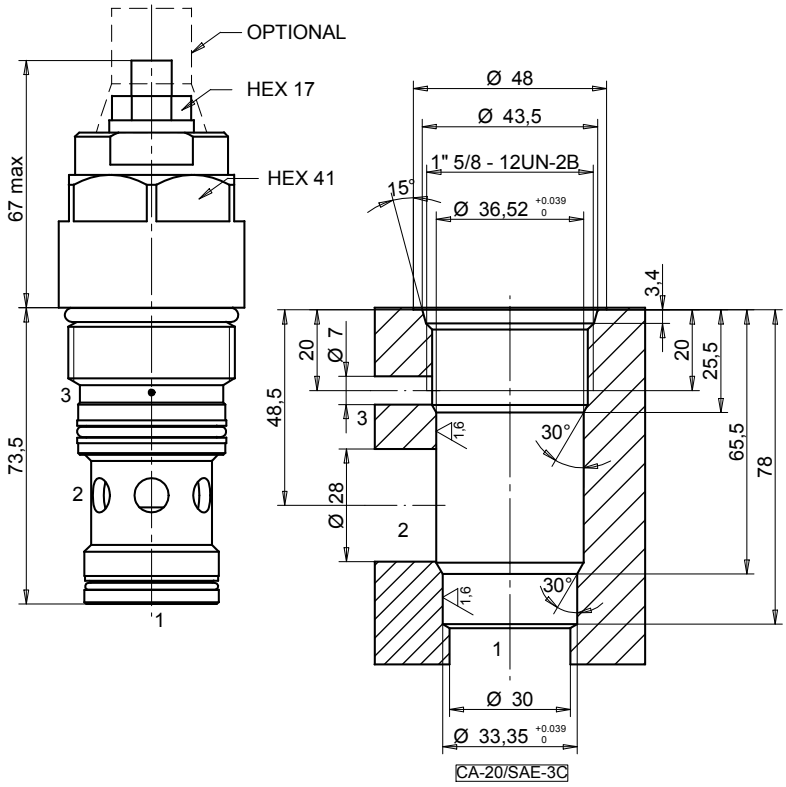
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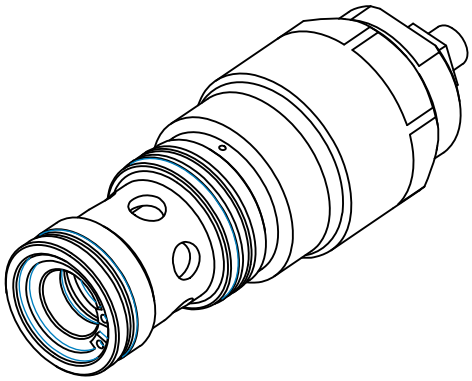
Max Flow	200 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar
Installation torque	105 - 120 Nm

Ordering Code

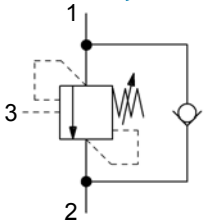
CBCE 200

Dimensions

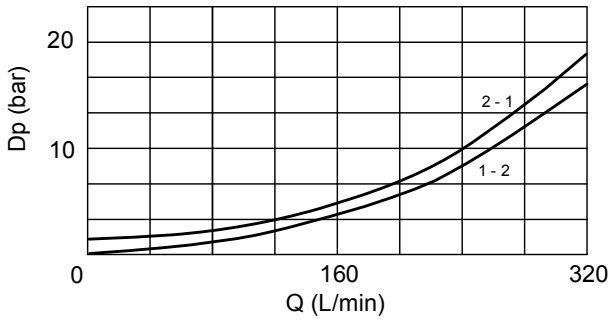




Hydraulic Symbol



Curves



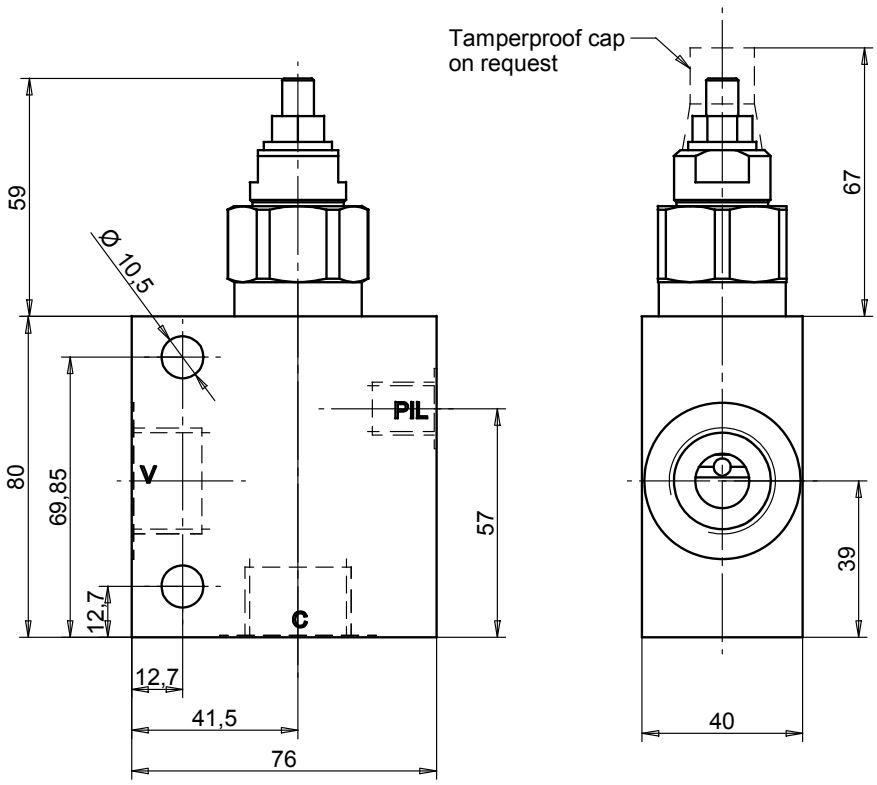
Features

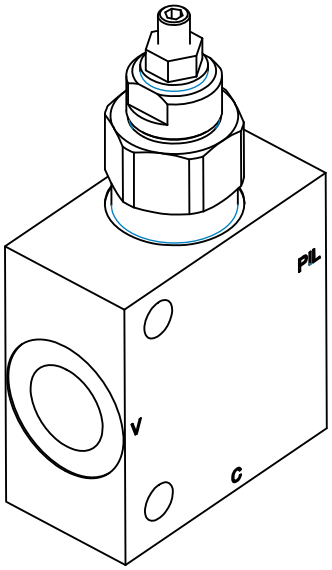
Max Flow	320 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	140 - 350 bar
Installation torque	126 - 148 Nm

Ordering Code

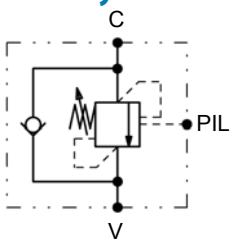
CBCE 320

Dimensions

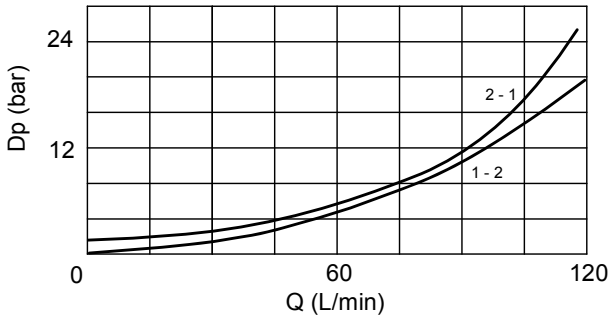




Hydraulic Symbol



Curves



Features

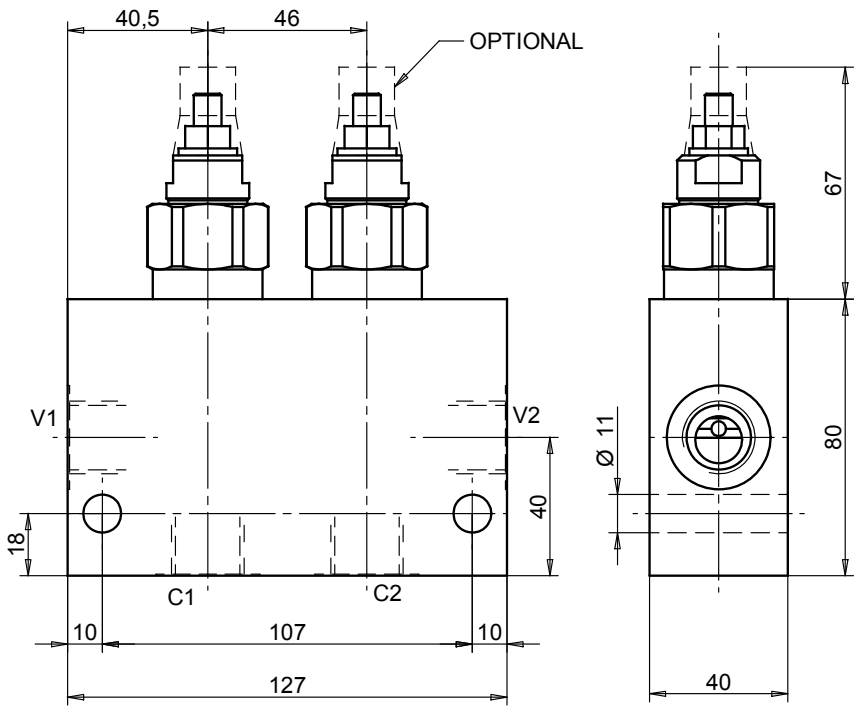
Max Flow	120 lpm
Max Pressure	250 bar
Pilot Ratio	4:1
Std. Pressure range	140 - 350 bar
Ports	V-C: G 3/4 PIL: G 1/4

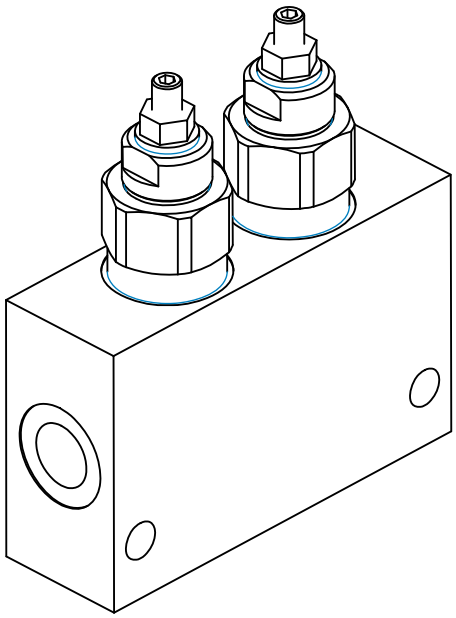
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

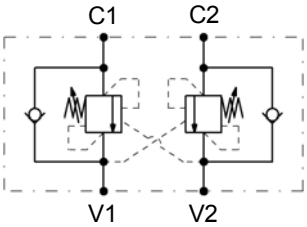
CBCE120SE 04

Dimensions

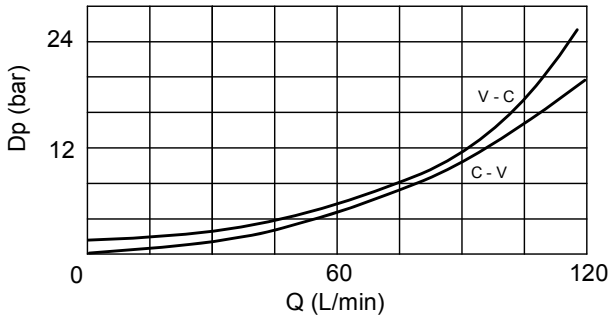




Hydraulic Symbol



Curves



Features

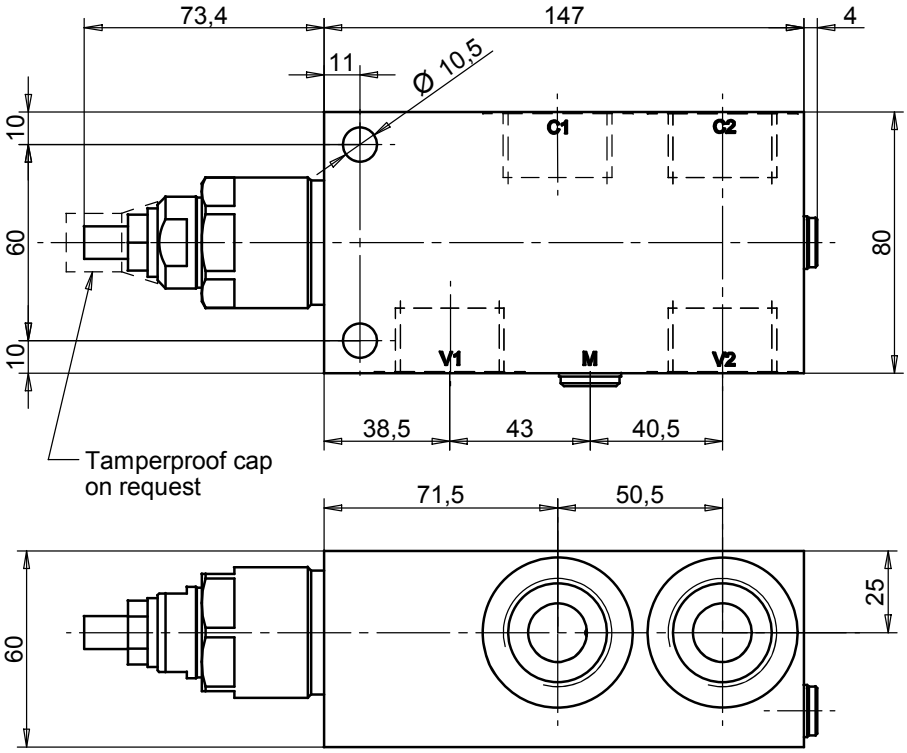
Max Flow	120 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Ports	1/2 bsp

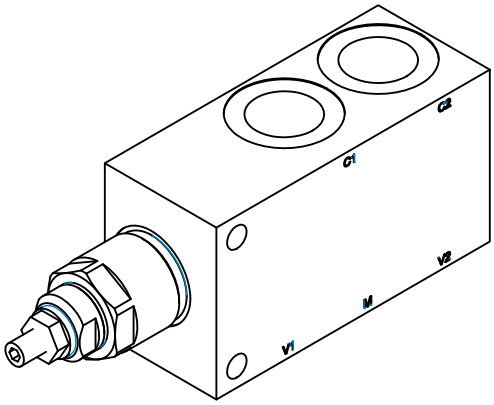
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

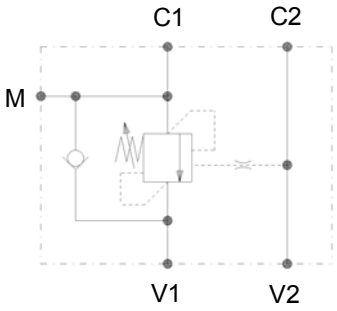
CBCE120DE 03

Dimensions

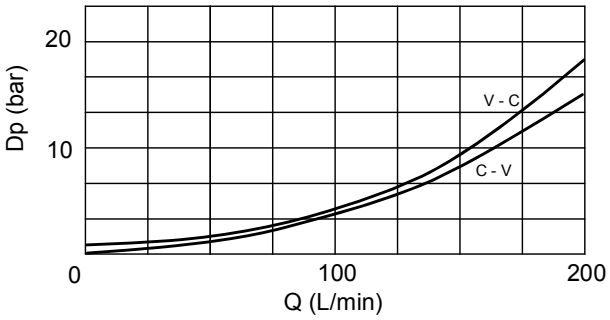




Hydraulic Symbol



Curves



Features

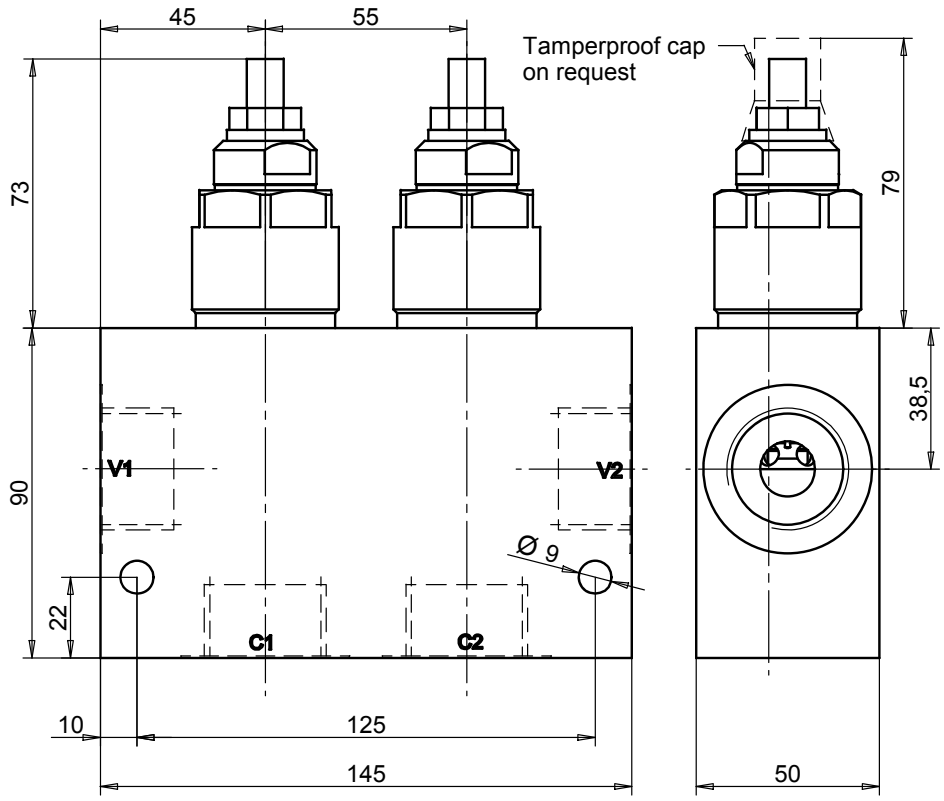
Max Flow	200 lpm
Max Pressure	250 bar
Pilot Ratio	4:1
Std. Pressure range	140 - 350 bar
Ports	V1-V2-C1-C2: 1 bsp M: 1/4 bsp

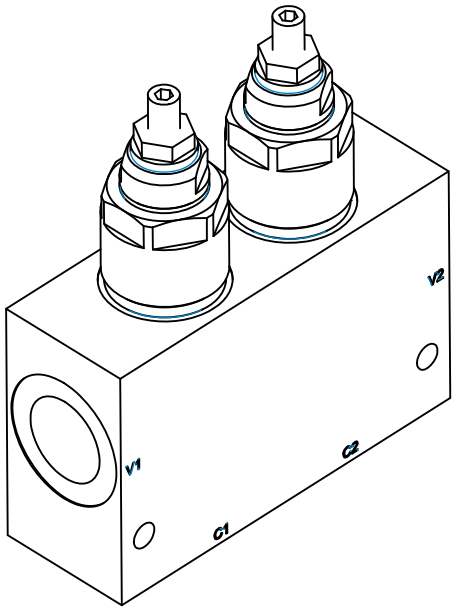
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

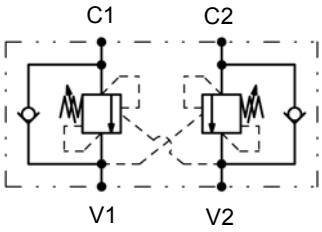
CBCE200SE 05

Dimensions

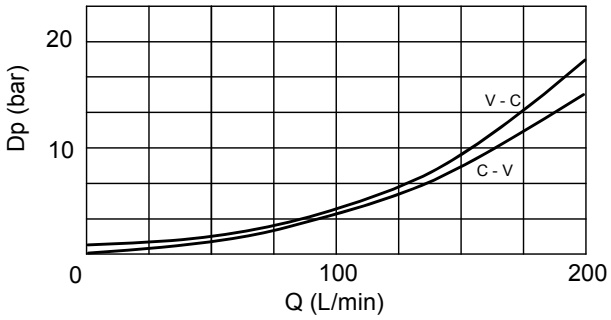




Hydraulic Symbol



Curves



Features

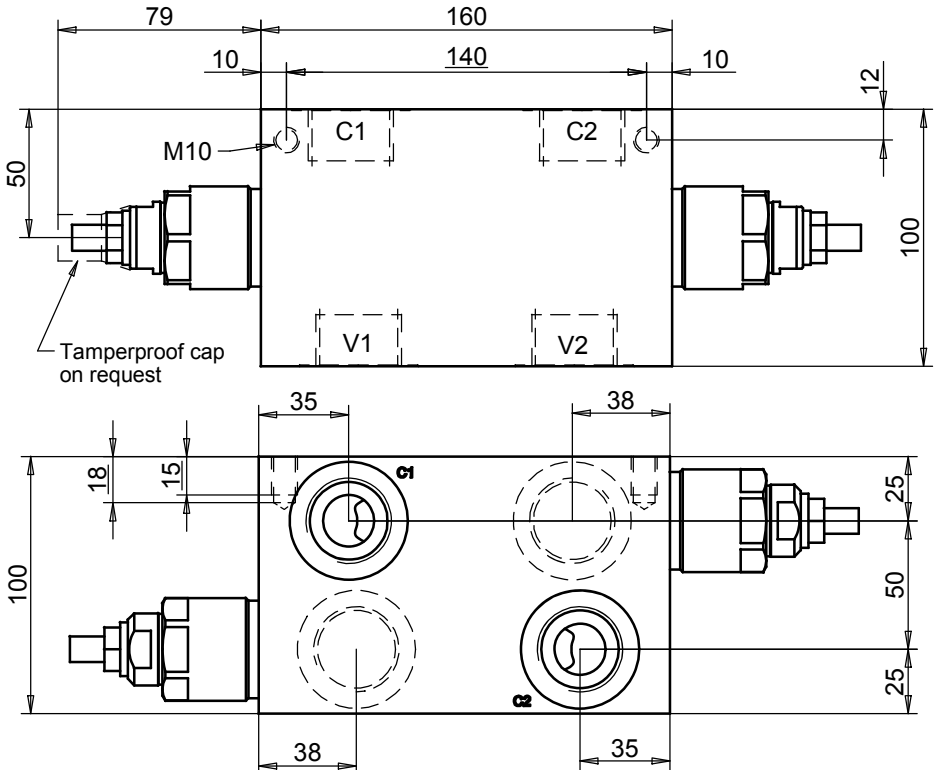
Max Flow	200 lpm
Max Pressure	250 bar
Pilot Ratio	4:1
Std. Pressure range	140 - 350 bar
Ports	V1-V2-C1-C2: 1 bsp

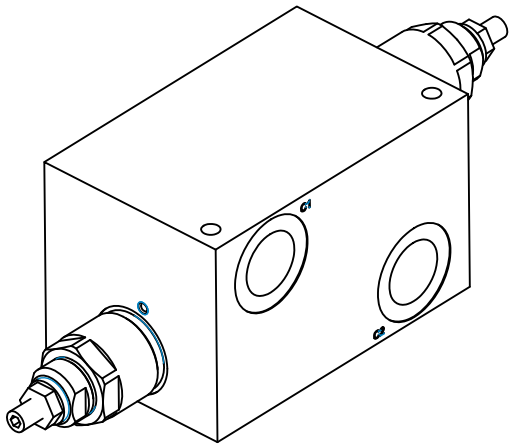
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

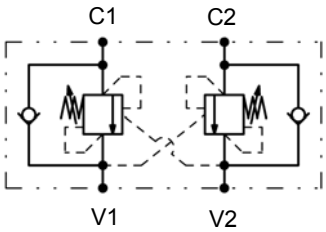
CBCE200DE 05

Dimensions

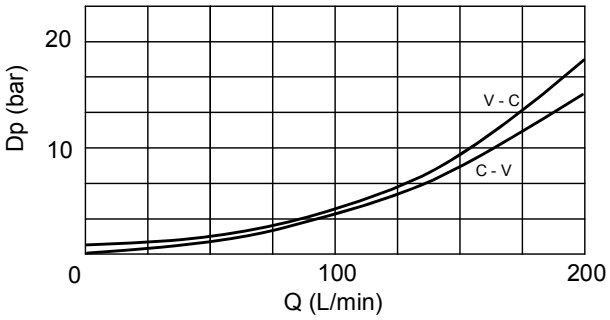




Hydraulic Symbol



Curves



Features

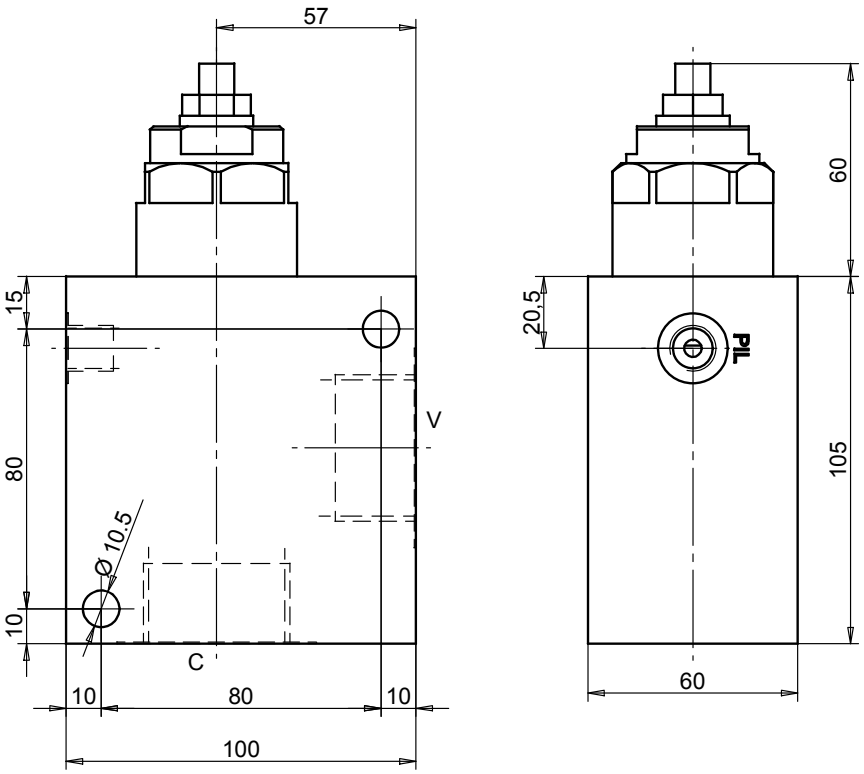
Max Flow	200 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	140 - 350 bar
Ports	V1-V2-C1-C2: 1 bsp

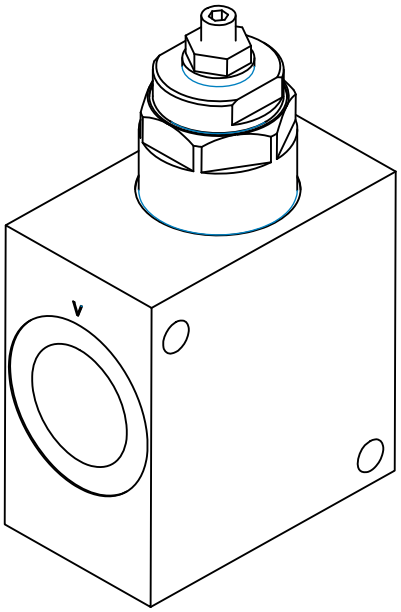
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

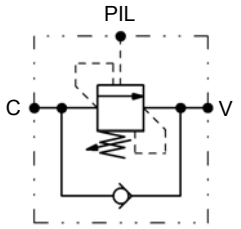
CBCE200DEL 05

Dimensions

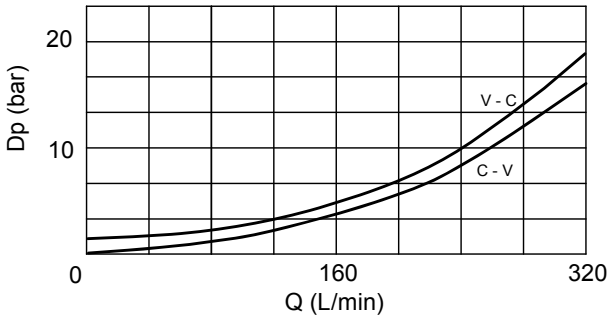




Hydraulic Symbol



Curves



Features

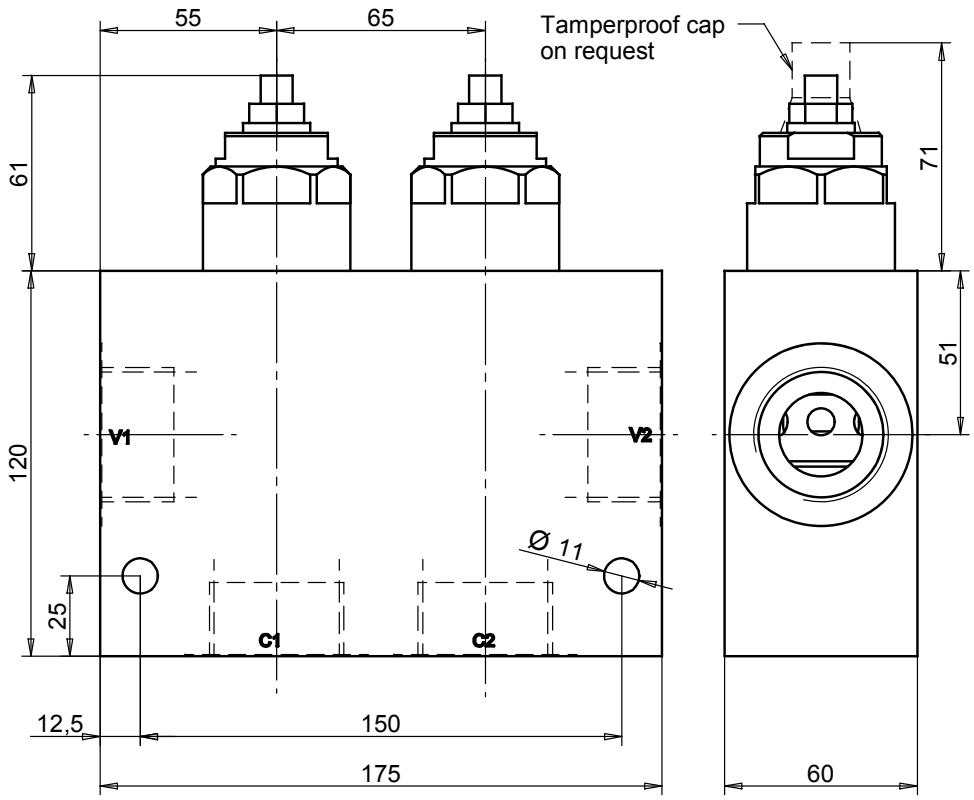
Max Flow	320 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Ports	1" 1/4 bsp
Std. Pressure range	140 - 350 bar

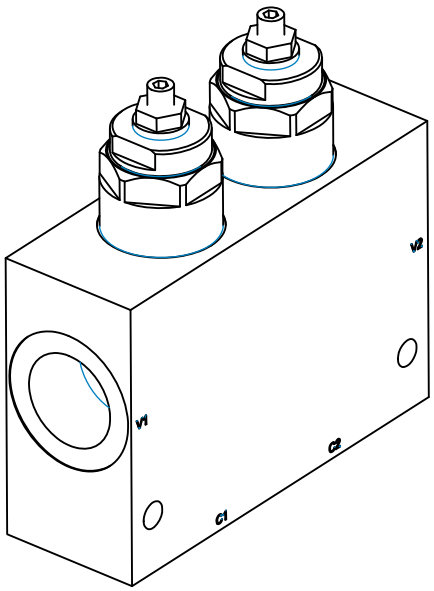
Materials: Aluminium manifold, hardened steel inner parts.

Ordering Code

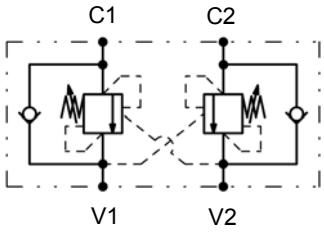
CBCE320SE 06

Dimensions

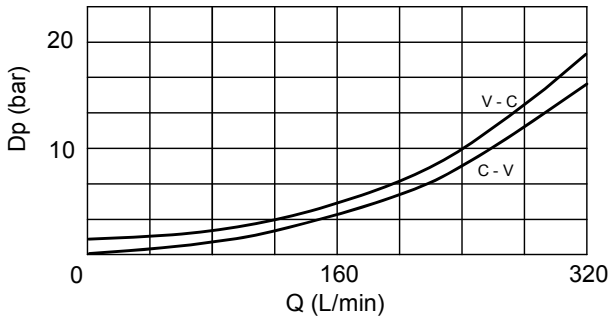




Hydraulic Symbol



Curves



Features

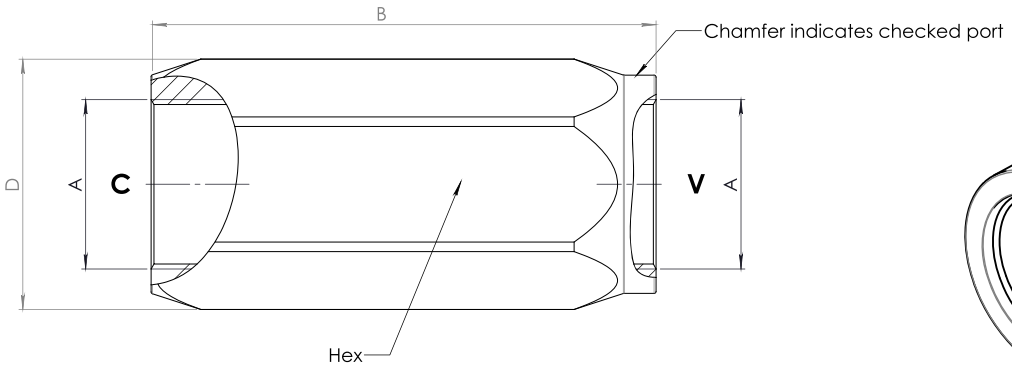
Max Flow	320 lpm
Max Pressure	250 bar
Pilot Ratio	4:1
Std. Pressure range	140 - 350 bar
Ports	V1-V2-C1-C2: 1" 1/4 bsp

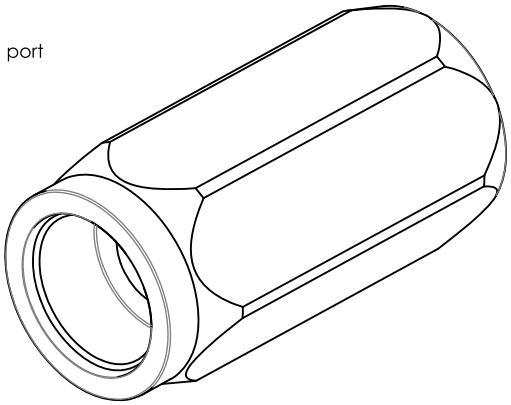
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

CBCE320DE 06

Dimensions



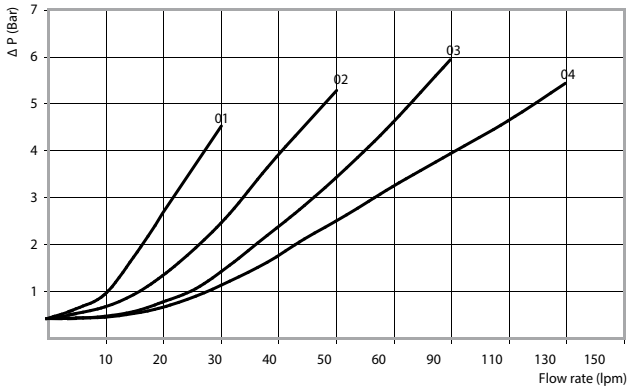


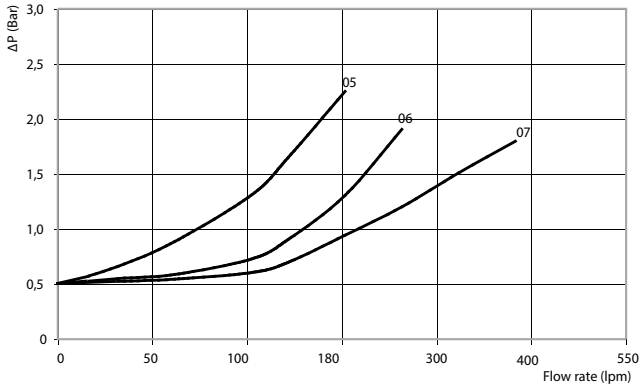
Size	A BSP	B	D	Hex	Weight kg	Max Pressure bar	Max Flow rate lpm
01	1/4	58	21	19	0,10	400	30
02	3/8	62	27	24	0,19	400	50
03	1/2	71	33	30	0,32	350	90
04	3/4	83	40	36	0,58	300	130
05	1	106	57	50	0,93	280	180
06	1 1/4	125	63	55	1,51	260	250
07	1 1/2	137	74	65	2,41	220	380

Hydraulic Symbol



Curves





Materials: Zinc plated steel body, hardened steel poppet.

Ordering Code

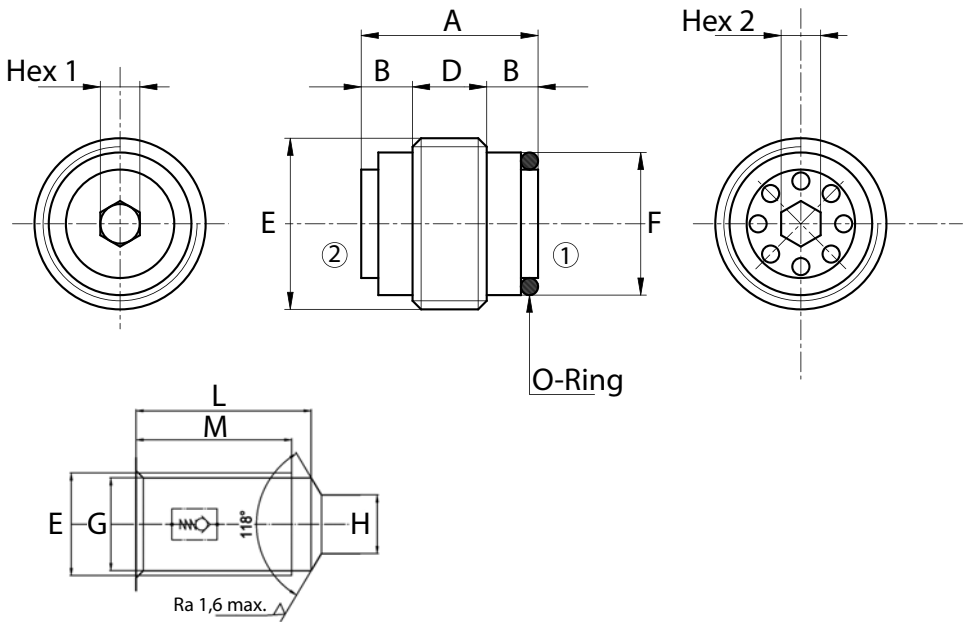
CVL	- -	-

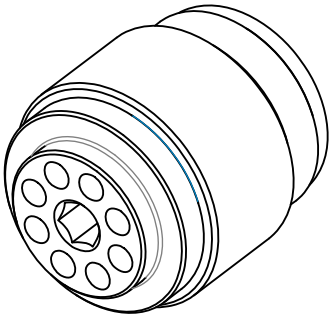
	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1
06	1 1/4
07	1 1/2

Spring (bar)	
	0,5
4	4
8	8

Ordering Code Example: **CVL03** = 1/2 BSP - 0,5 bar Cracking pressure.

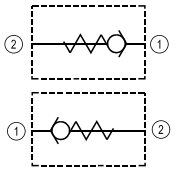
Dimensions





Size	A	B	D	E BSP	F	G	H max	L	M	Hex1	Hex2	O-Ring	Weight kg
01	17	5,5	6	1/4	11,3	11,8	8	29	26	3	3	1 x 9	0,01
02	18,5	5,5	7,5	3/8	14,8	15,2	9	30	27	4	3	1,78 x 10,82	0,02
03	23	7	9,5	1/2	18,5	19	12	36	32	6	5	1,78 x 14	0,04
04	28,5	7,5	14,5	3/4	24	24,5	16	43	39,5	8	8	2,62 x 18,72	0,07

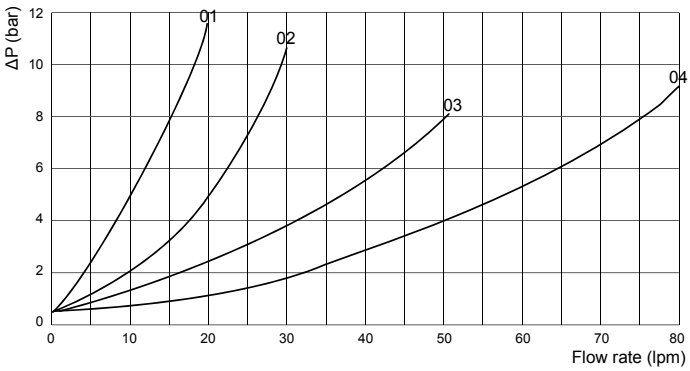
Hydraulic Symbol



With O-Ring in ①

With O-Ring in ②

Curves



Features

Size	01	02	03	04
Max Pressure (bar)	350	350	350	350
Max Flow Rate (lpm)	20	30	50	80
Cracking Pressure (bar)	0,5	0,5	0,5	0,5
Installation Torque (Nm)	6	10	20	30

Materials: Steel cartridge.

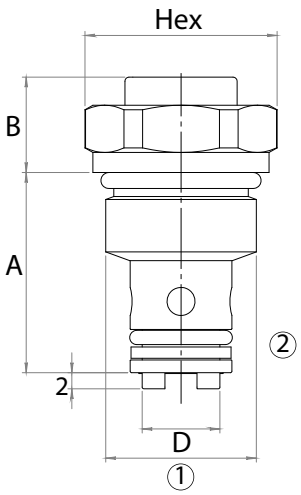
Ordering Code

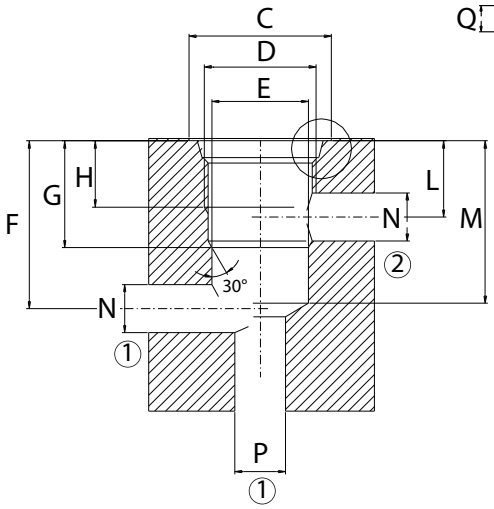
CVI	- -

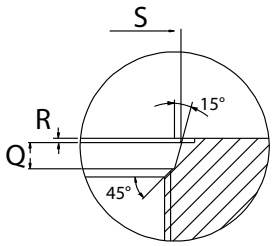
	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4

Ordering Code Example: **CVI02** = 3/8 BSP.

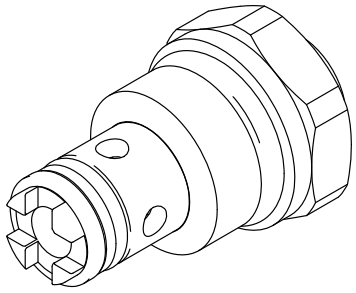
Dimensions





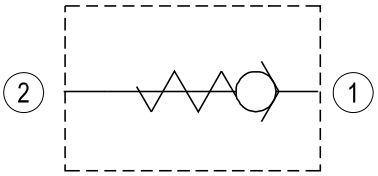


Cavity

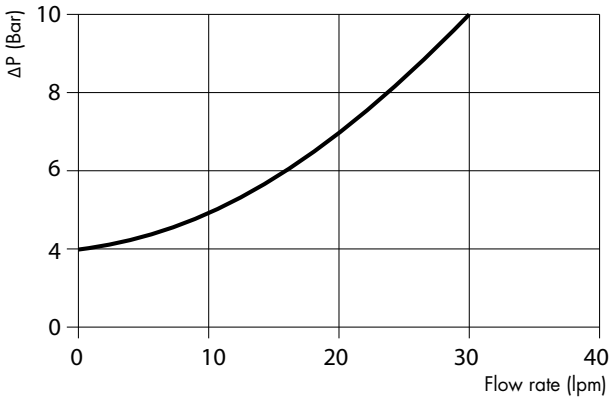


A	B	C	D	E H7	F	G	H	L	M	N max	P max	Q	R	S	Hex	Weight kg
27,5	12	28	3/4-16UNF	Ø12,7	31,5	19	13	13	29,5	9	12	2,5	0,5	20,7	22	0,055

Hydraulic Symbol



Curves



Features

Max Flow Rate	20 lpm
Max Pressure	350 bar
Cracking Pressure	4 bar
Installation Torque	50-60 Nm

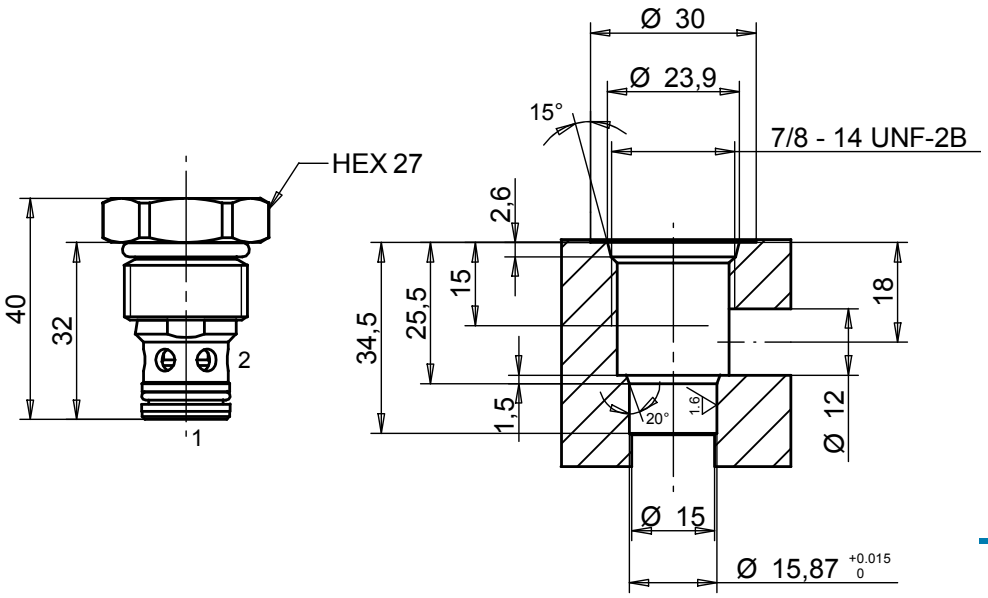
Materials: Zinc plated steel cartridge.

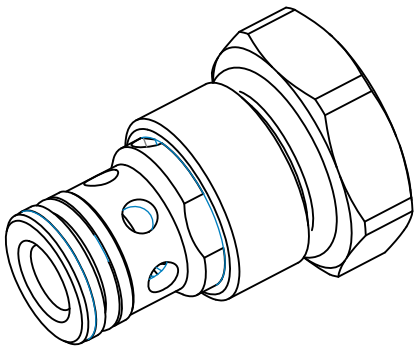
Ordering Code

CVC 20

Ordering Code Example: CVC20.

Dimensions

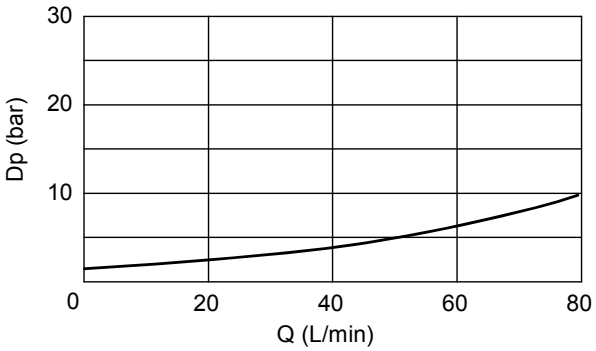




Hydraulic Symbol



Curves



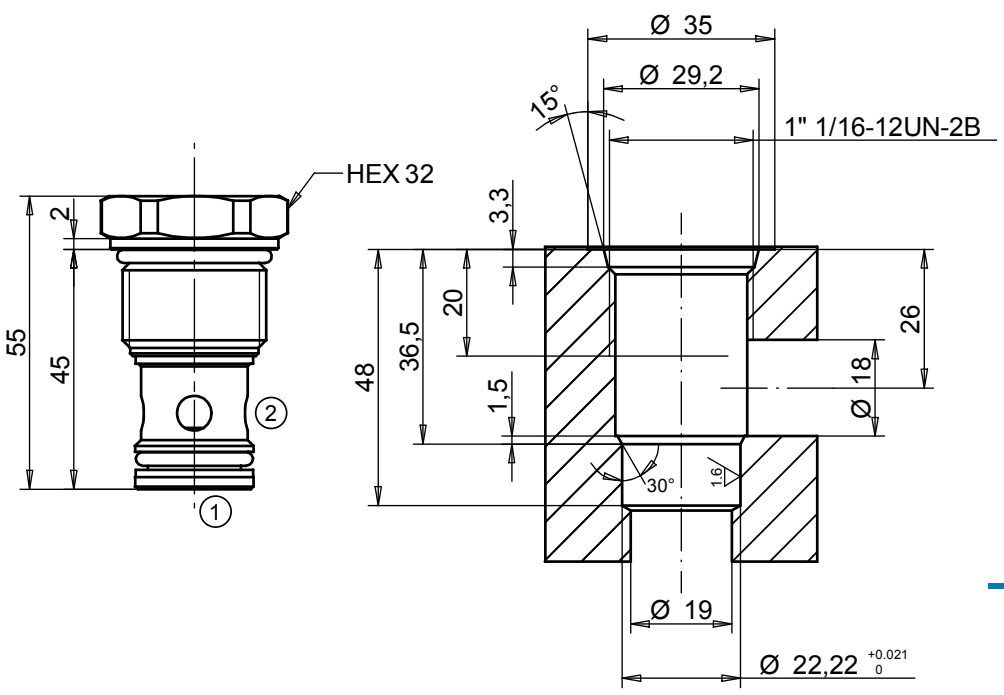
Features

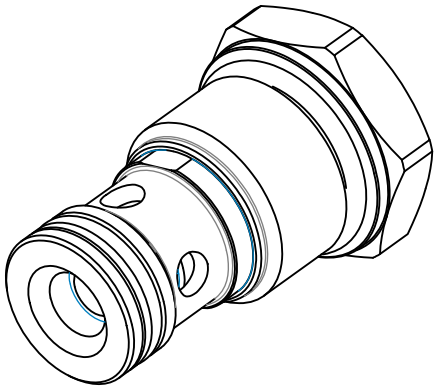
Max Flow	80 lpm
Max Pressure	350 bar
Cracking Pressure	1,5 bar
Installation Torque	40-45 Nm

Ordering Code

CVC 80

Dimensions

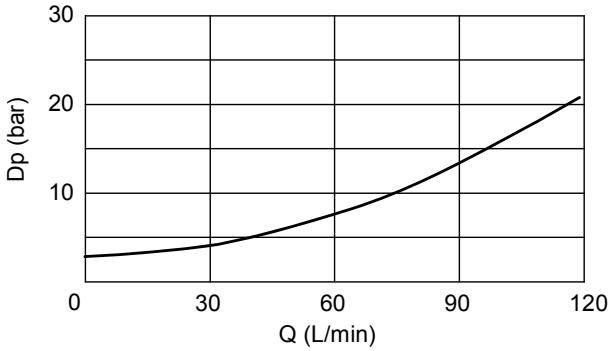




Hydraulic Symbol



Curves



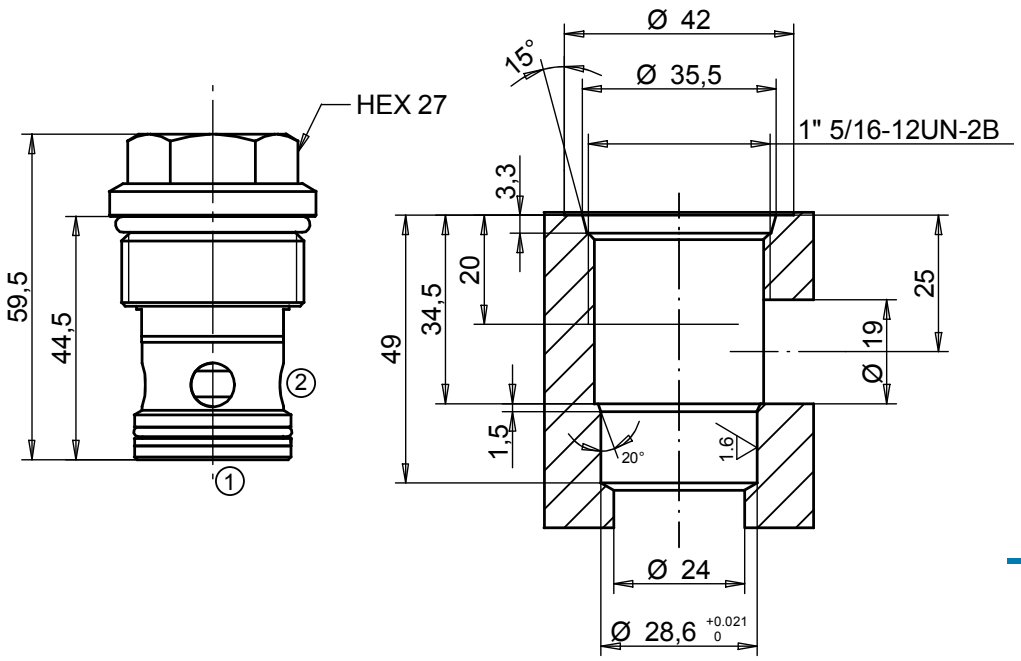
Features

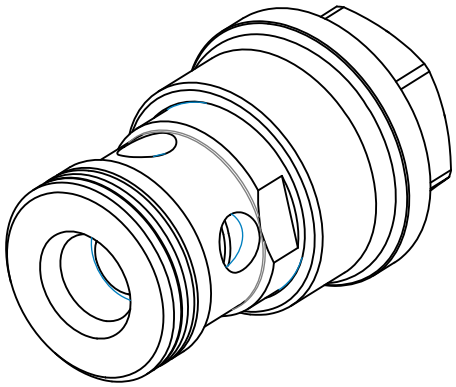
Max Flow	120 lpm
Max Pressure	350 bar
Cracking Pressure	3,5 bar
Installation Torque	80-95 Nm

Ordering Code

CVC 120

Dimensions

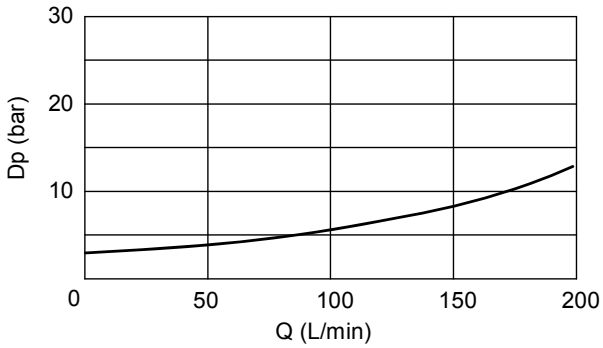




Hydraulic Symbol



Curves



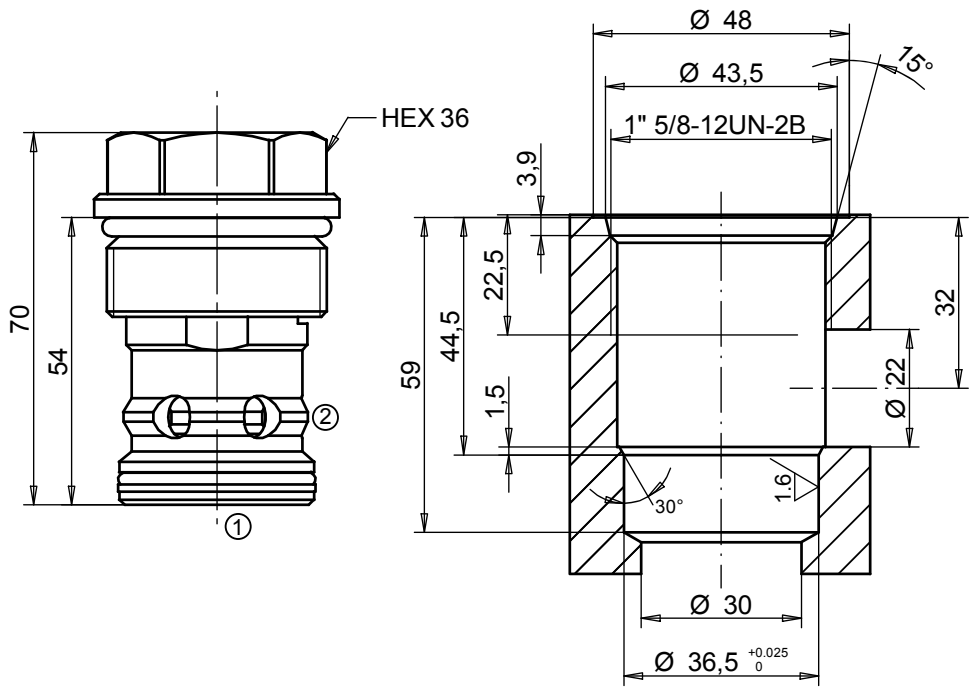
Features

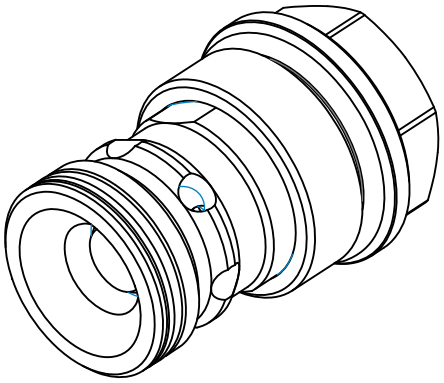
Max Flow	200 lpm
Max Pressure	350 bar
Cracking Pressure	3,5 bar
Installation Torque	105-120 Nm

Ordering Code

CVC 200

Dimensions

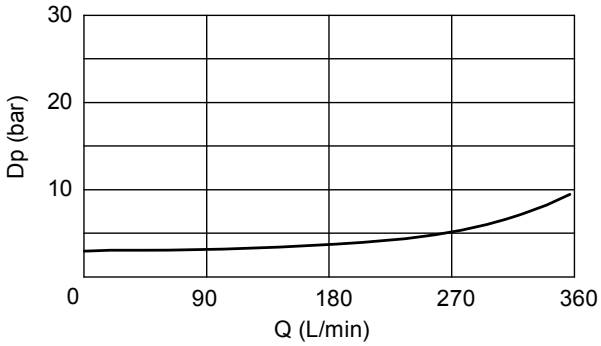




Hydraulic Symbol



Curves



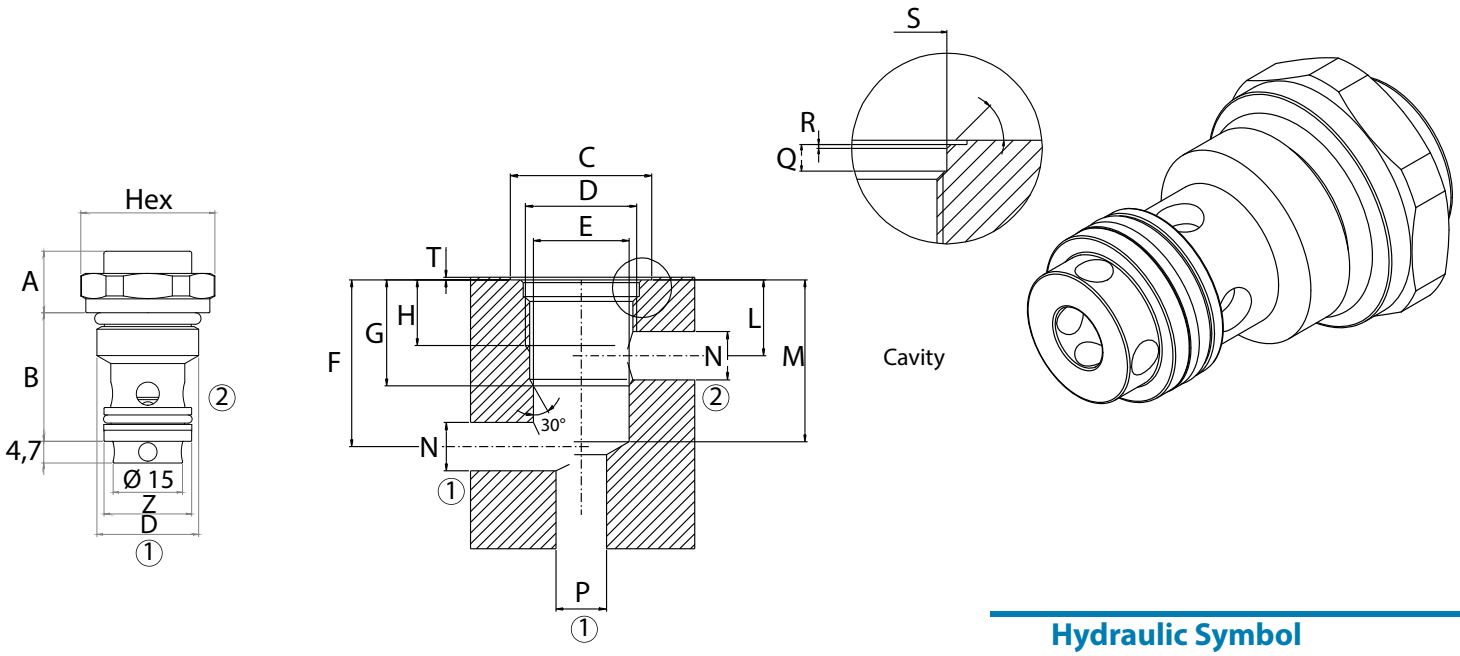
Features

Max Flow	360 lpm
Max Pressure	350 bar
Cracking Pressure	3,5 bar
Installation Torque	125-145 Nm

Ordering Code

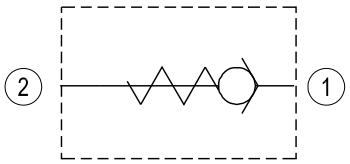
CVC 360

Dimensions

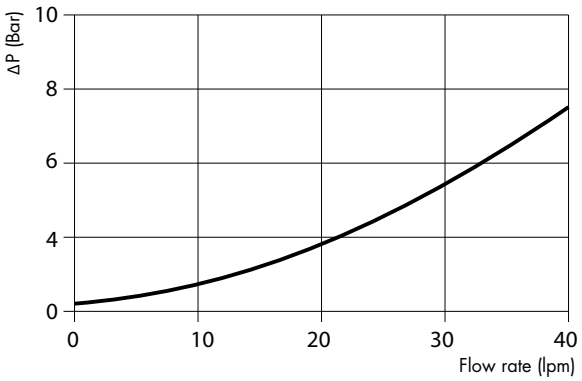


A	B	C	D	E H7	F	G	H	L	M	N max	P max	Q	R	S	T	Z	Hex	Weight kg
34,5	28	28	M22x1,5	Ø19	33	21	13	15	33	9,5	18	3,3	0,5	20,7	0,5	19	27	0,075

Hydraulic Symbol



Curves



Features

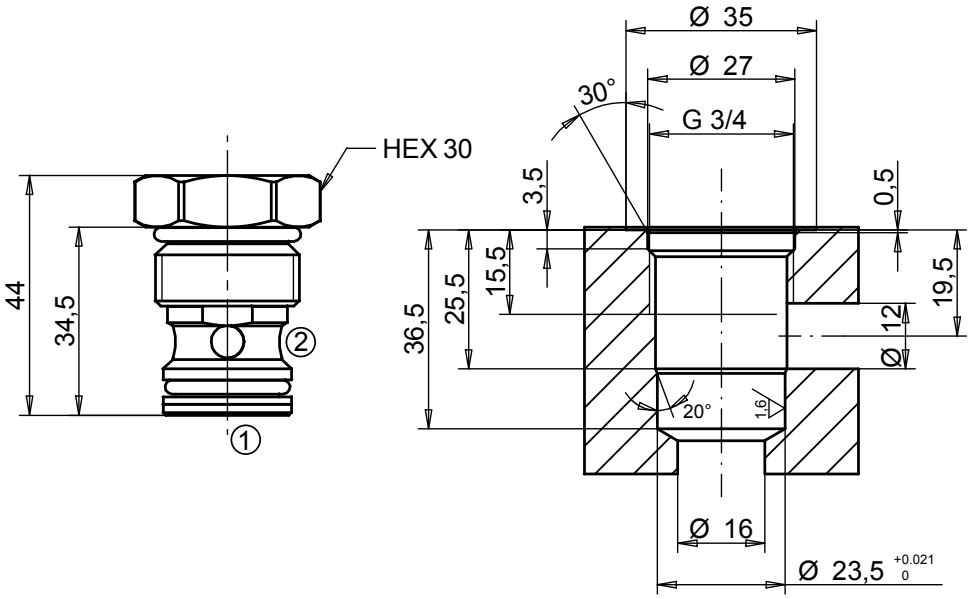
Max Flow Rate	40 lpm
Max Pressure	350 bar
Cracking Pressure	4 bar
Installation Torque	50-60 Nm

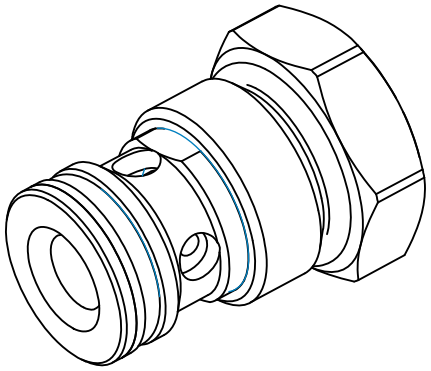
Materials: Zinc plated steel cartridge, hardened steel poppet.

Ordering Code

CVC40

Dimensions

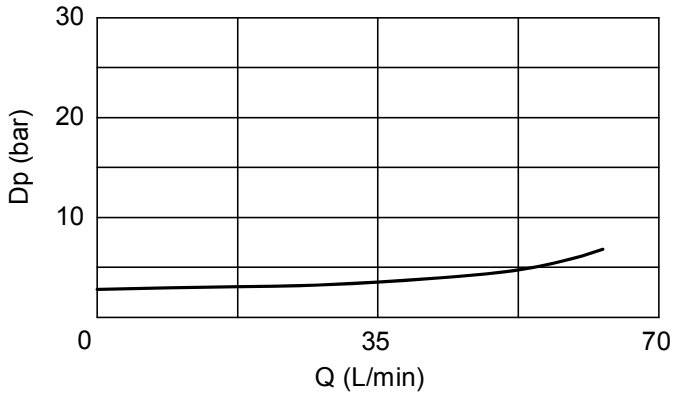




Hydraulic Symbol



Curves



Features

Max Flow Rate	65 lpm
Max Pressure	350 bar
Installation Torque	50-60 Nm

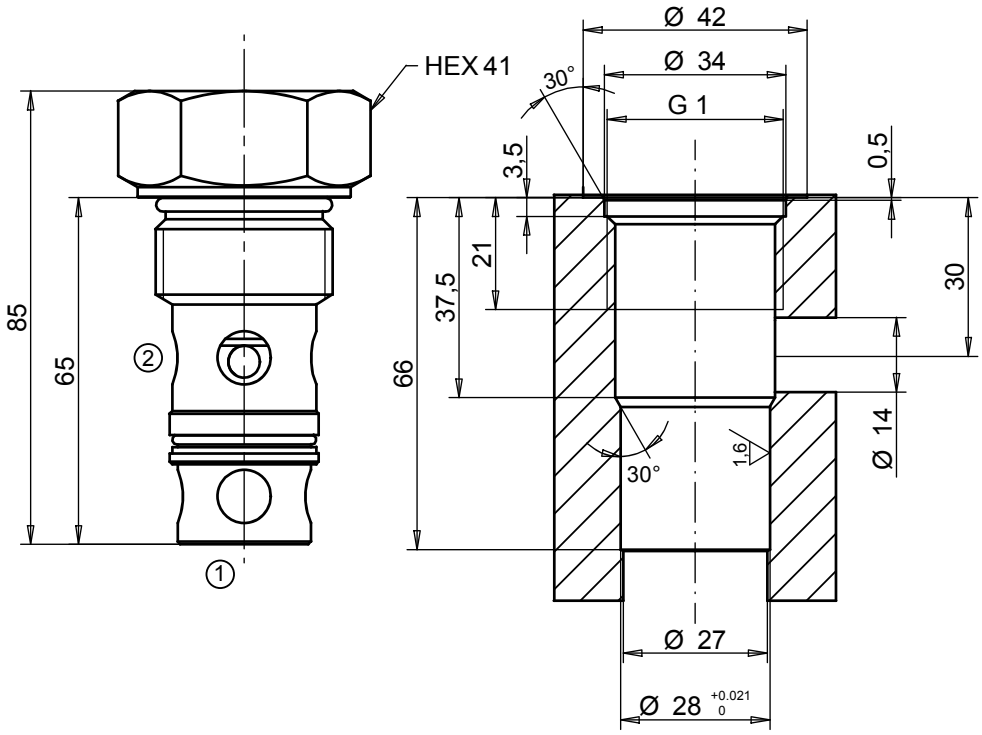
Ordering Code

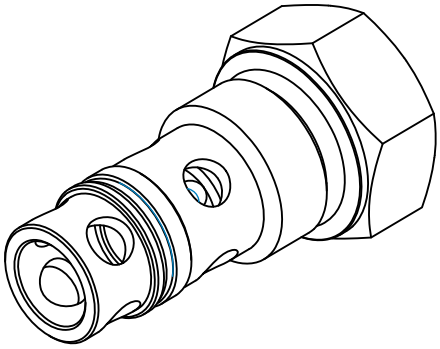
CVC 03	-

Spring (bar)

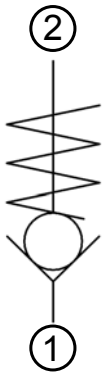
	0,5
3	3
8	8

Dimensions

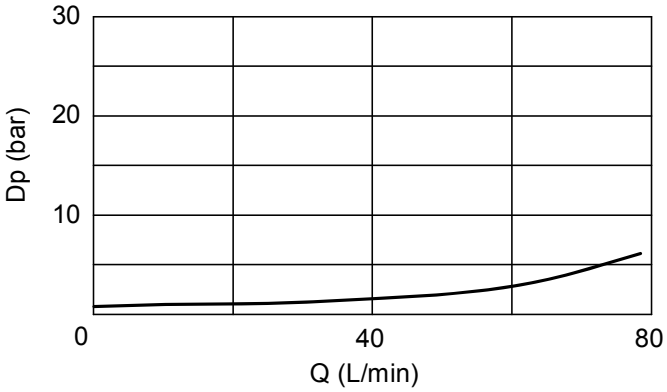




Hydraulic Symbol



Curves



Features

Max Flow Rate	80 lpm
Max Pressure	350 bar
Installation Torque	110-125 Nm

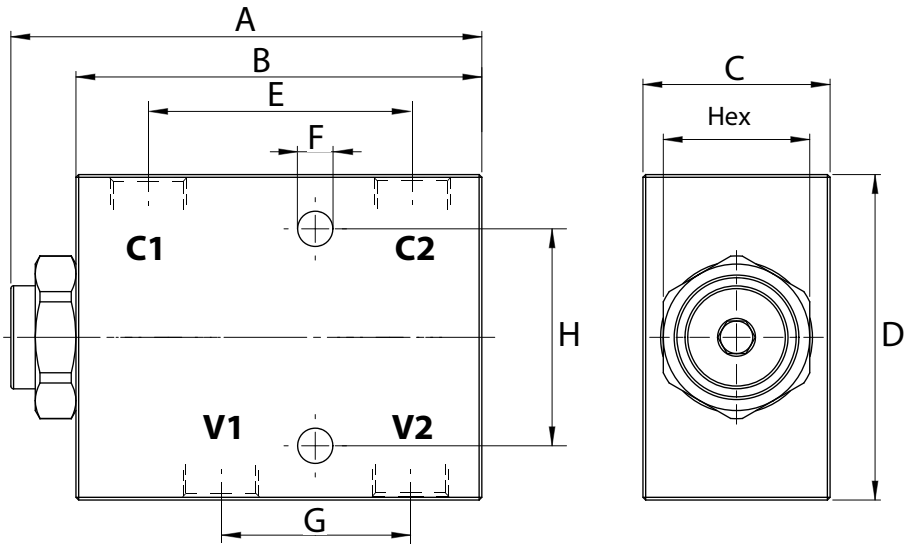
Ordering Code

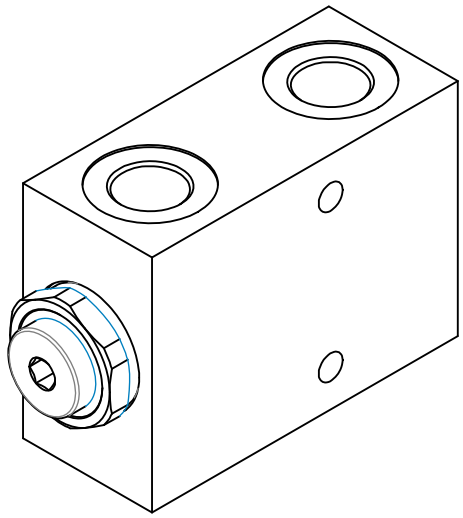
CVC 04	-

Spring (bar)

	1,5
8	8

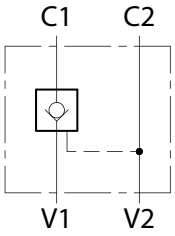
Dimensions



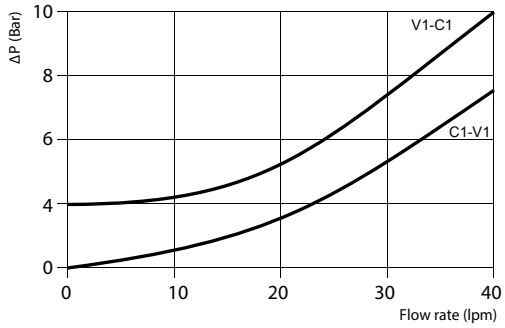


Size	C1-C2 V1-V2 BSP	A	B	C	D	E	F	G	H	Hex	Weight kg
02	3/8	95	83	35	60	49	6,5	32	40	27	0,52
25	1/2	95	83	35	60	49	6,5	32	40	27	0,48
03	1/2	104	95	35	70	55,5	8,5	38	40	30	0,85

Hydraulic Symbol



Curves



Features

Size	02	25	03
Max Pressure (bar)	260	260	350
Max Flow (lpm)	35	35	50
Pilot Ratio	1:7	1:7	1:3,2
Cracking Pressure (bar)	4	4	3 / 8

Materials: Aluminium manifold, hardened steel inner parts.

Ordering Code

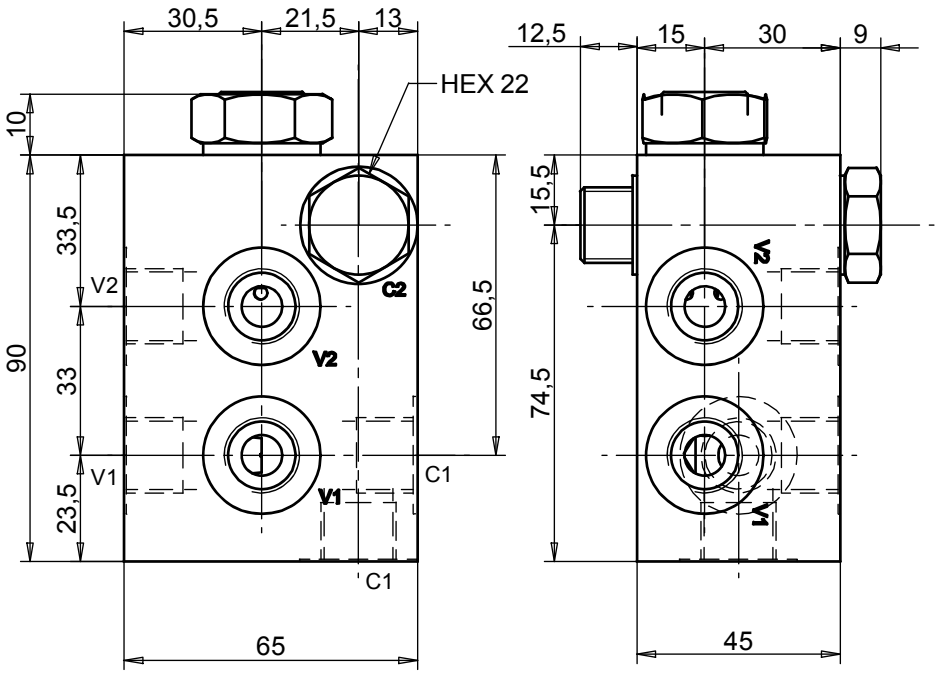
LVSL	- -	-

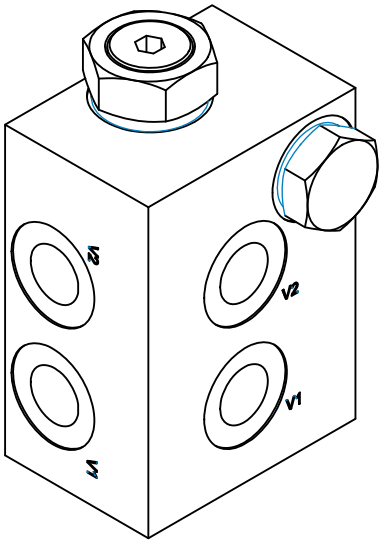
	Size BSP
02	3/8
25	1/2
03	1/2

Spring (bar)	
	3
8	8

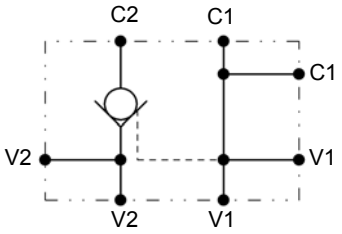
Ordering Code Example: LVSL02 = 3/8 BSP, 35 lpm.

Dimensions

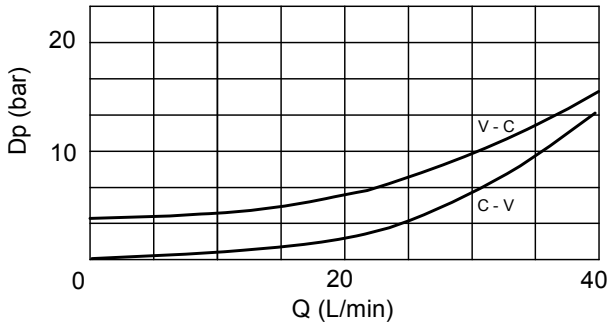




Hydraulic Symbol



Curves



Features

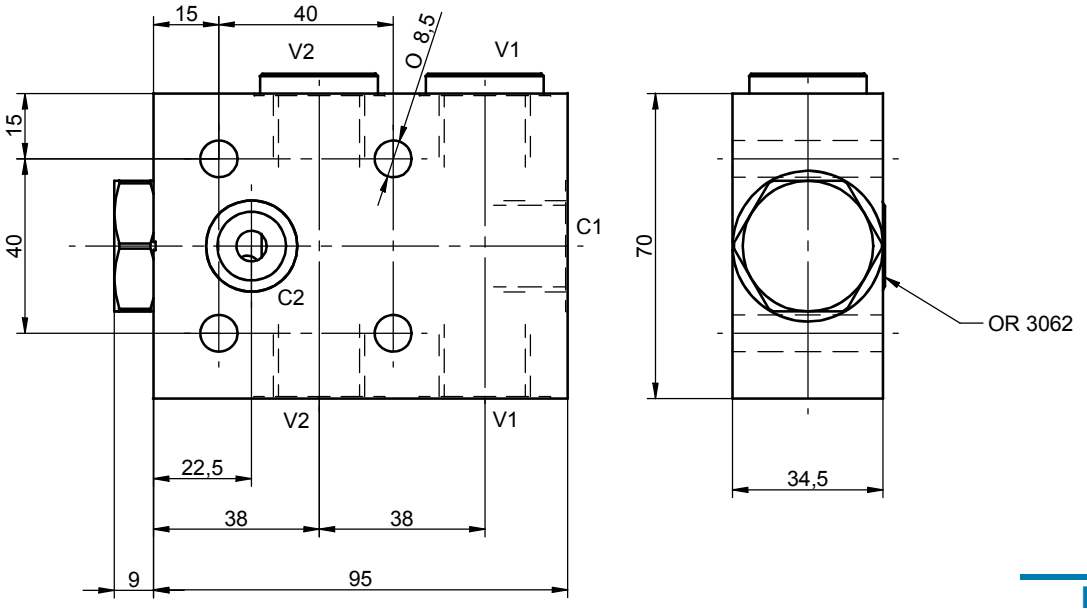
Max Pressure (bar)	350
Max Flow (lpm)	40
Pilot Ratio	3,4:1
Cracking Pressure (bar)	4
Ports	3/8 bsp

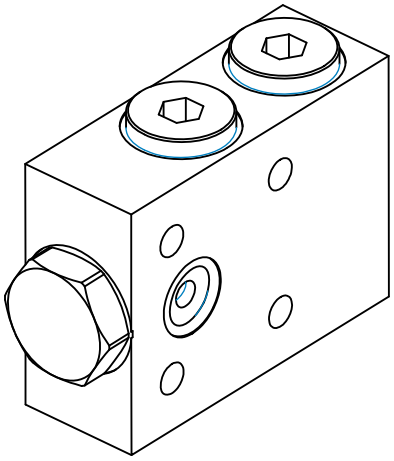
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

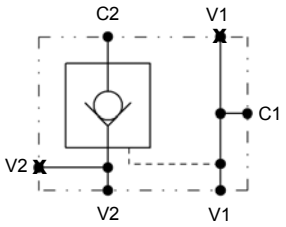
LVPCF

Dimensions

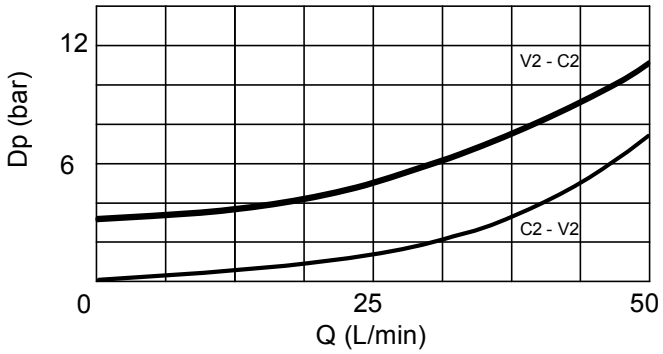




Hydraulic Symbol



Curves



Features

Size	03
Max Pressure (bar)	350
Max Flow	50
Ports Size (V1,V2,C1) (BSP)	1/2
Cracking Pressure (bar)	3
Pilot Ratio	3,2:1

Materials: Aluminium manifold, hardened steel inner parts.

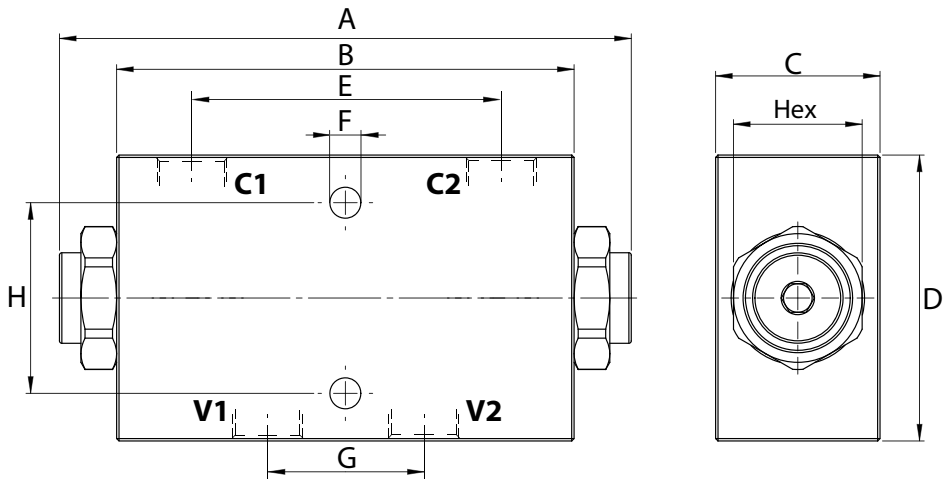
Ordering Code

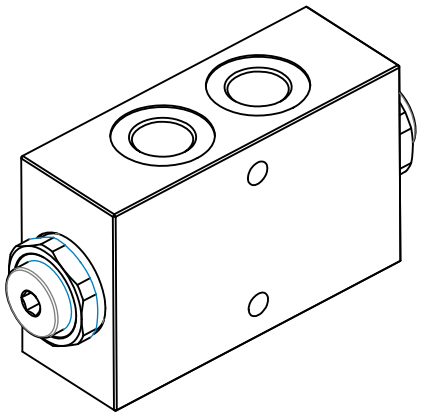
LVSFLR	-

Spring (bar)	
3	3

Ordering Code Example: **LVDFV15** = 3/8 BSP, 20 lpm.

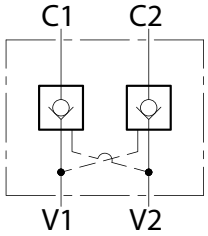
Dimensions





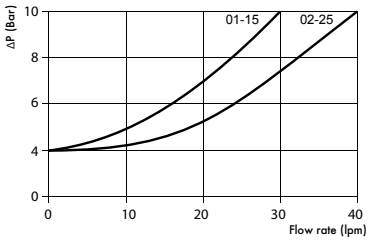
Size	C1-C2 V1-V2 BSP	A	B	C	D	E	F	G	H	Hex	Weight kg
01	1/4	113	90	30	50	62	6,5	32	40	22	0,79
15	3/8	113	90	30	50	62	6,5	32	40	22	0,76
02	3/8	121	96	35	60	62	6,5	32	40	27	0,62
25	1/2	121	96	35	60	62	6,5	32	40	27	0,60
03	1/2	140	110	35	70	69	8,5	34	40	30	0,89
04	3/4	220	165	50	90	105	8,5	50	60	41	2,55

Hydraulic Symbol

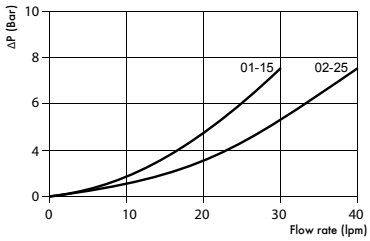


Curves

V1 V2 → C1 C2



C1 C2 → V1 V2



Features

Size	01	15	02	25	03	04
Max Pressure (bar)	260	260	260	260	260	260
Max Flow (lpm)	20	20	35	35	60	100
Pilot Ratio	1:4	1:4	1:7	1:7	1:3,4	1:4
Cracking Pressure (bar)	4	4	4	4	3	8

Materials: Aluminium manifold, hardened steel inner parts.

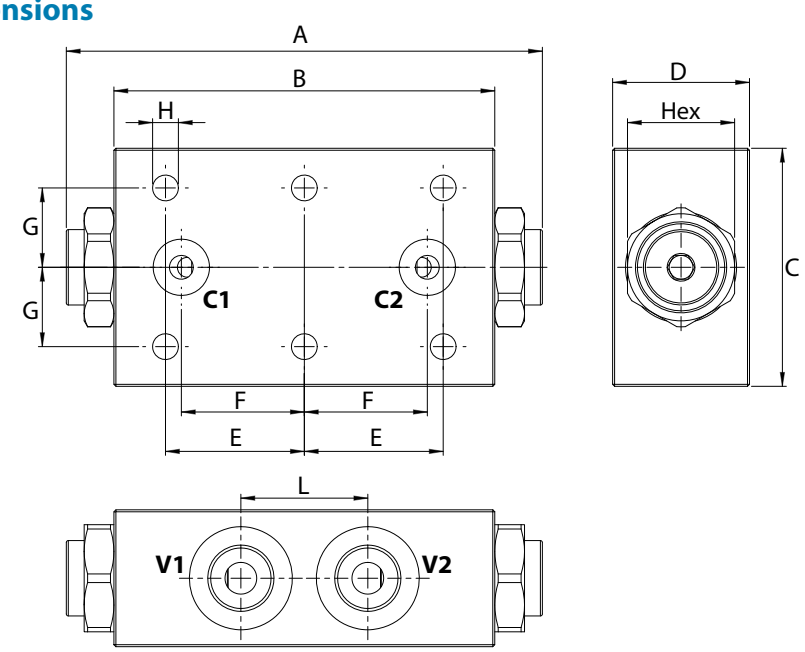
Ordering Code

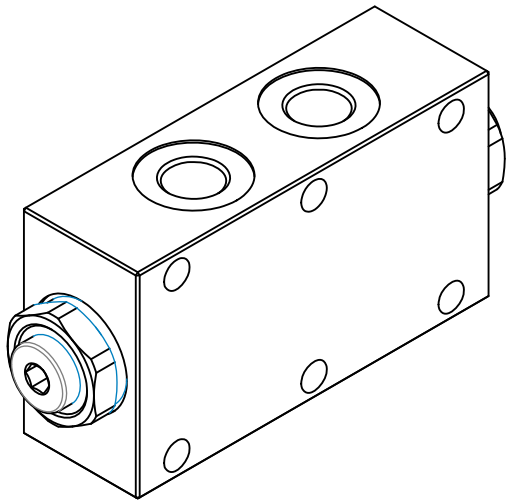
LVDL	- -

	Size BSP
01	1/4
15	3/8
02	3/8
25	1/2
03	1/2
04	3/4

Ordering Code Example: LVDL15 = 3/8 BSP, 20 lpm.

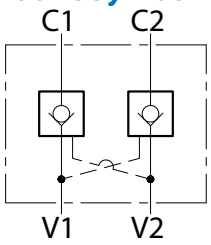
Dimensions





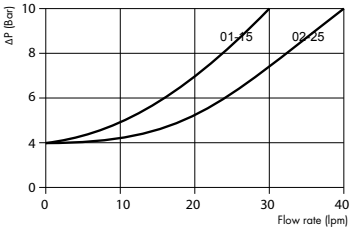
Size	V1-V2 BSP	A	B	C	C1-C2	D	E	F	G	H	L	Hex	Weight kg
01	1/4	113	90	50	Ø 5	30	35	26	20	6,5	32	22	0,43
15	3/8	113	90	50	Ø 5	30	35	26	20	6,5	32	22	0,43
02	3/8	121	96	60	Ø 6	35	35	31	20	6,5	32	27	0,60
25	1/2	121	96	60	Ø 6	35	35	31	20	6,5	32	27	0,60
03	1/2	140	110	70	Ø 10	35	40	32,5	20	8,5	34	30	0,89
04	3/4	220	165	90	Ø 14	50	67,5	52,5	25	10,5	50	41	2,50

Hydraulic Symbol

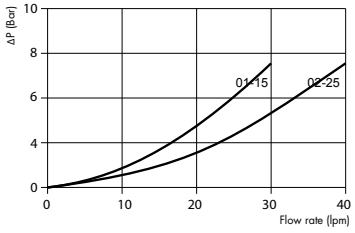


Curves

V1 V2 → C1 C2



C1 C2 → V1 V2



Features

Size	01	15	02	25	03	04
Max Pressure (bar)	260	260	260	260	260	260
Max Flow (lpm)	20	20	35	35	60	100
Pilot Ratio	1:4	1:4	1:7	1:7	1:3,4	1:4
Cracking Pressure (bar)	4	4	4	4	3	8

Materials: Aluminium manifold, hardened steel inner parts.

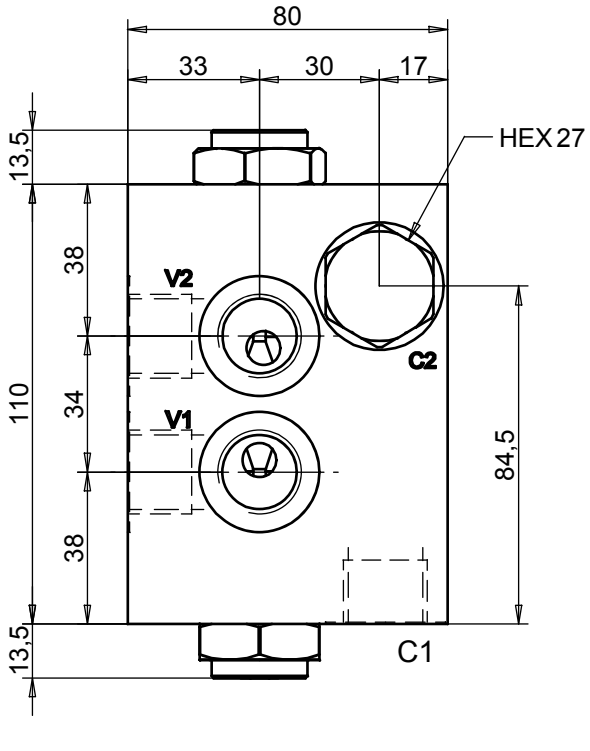
Ordering Code

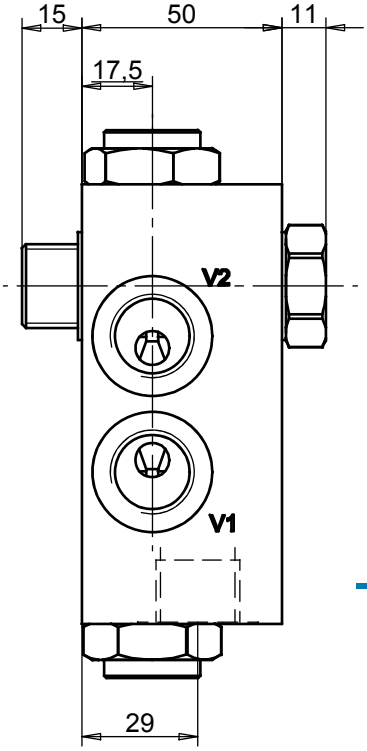
LVDF	- -

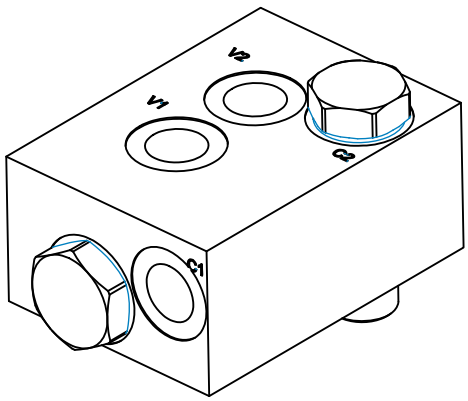
	Size BSP
01	1/4
15	3/8
02	3/8
25	1/2
03	1/2
04	3/4

Ordering Code Example: LVDFV15 = 3/8 BSP, 20 lpm.

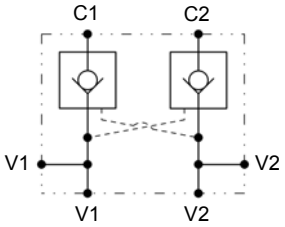
Dimensions



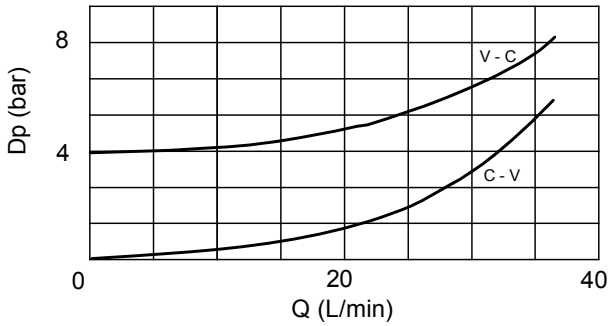




Hydraulic Symbol



Curves



Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

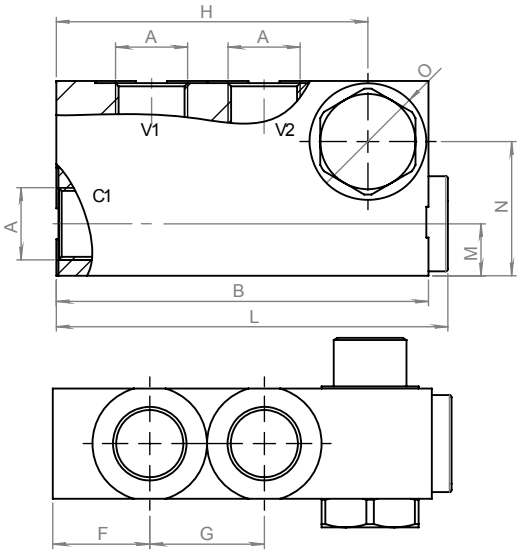
Features

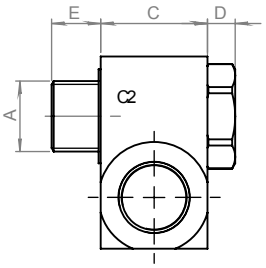
Size	03
Max Pressure (bar)	350
Max Flow (lpm)	40
Pilot Ratio	4:1
Cracking Pressure (bar)	3
Ports	V1-V2-C1: 1/2 bsp C2: 1/2 bsp

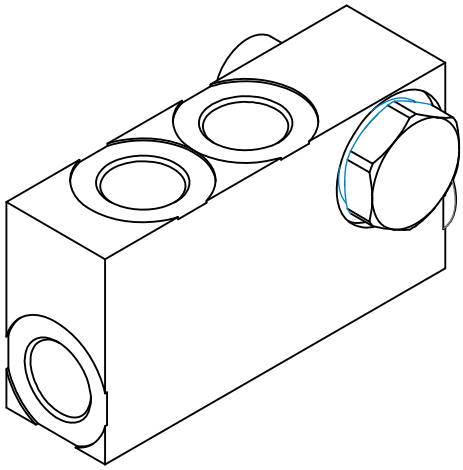
Ordering Code

LVDFLN 03

Dimensions

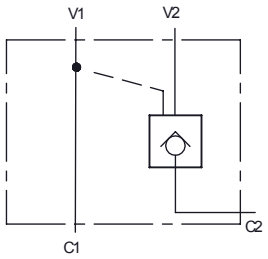




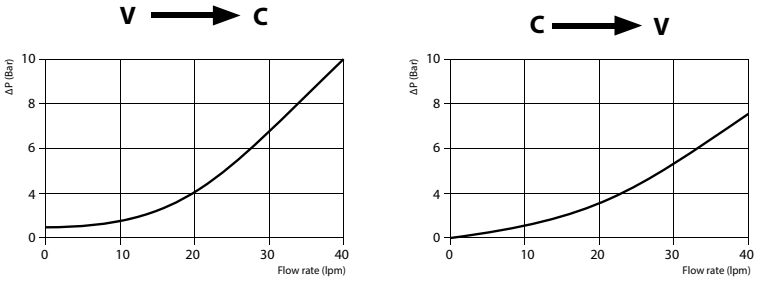


Ordering code	A (BSP)	Max Flow (l/min)	Max Pressure (bar)	B	C	D	E	F	G	H	L	M	N	O
LVSLFB02	3/8"	20	300	86	25	7	11	22	26	72	90.5	12	31	27

Hydraulic Symbol



Curves



Features

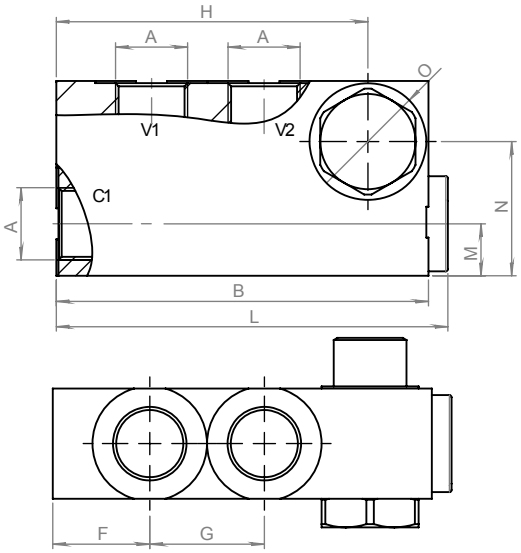
Size	02
Max Pressure (bar)	300
Max Flow (lpm)	20
Pilot Ratio	1:4.9
Cracking Pressure (bar)	4

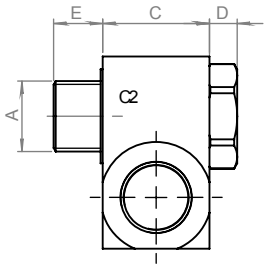
Ordering Code

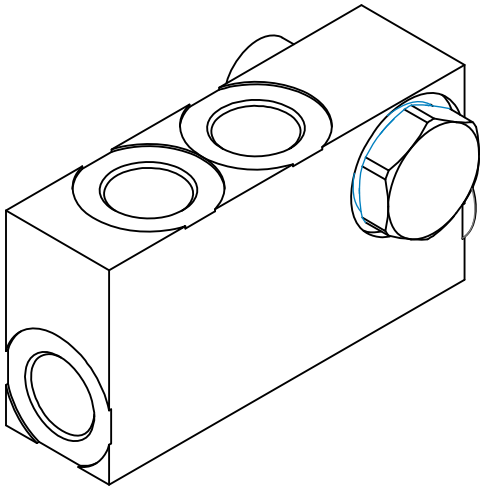
LVSLFB	**- -**

	Size BSP
02	3/8

Dimensions

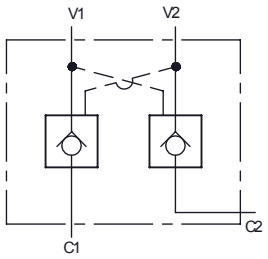




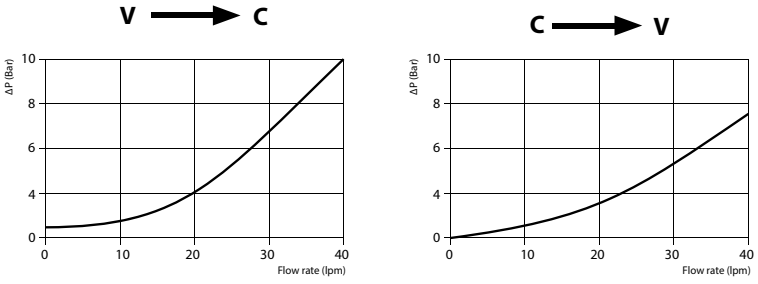


Ordering code	A (BSP)	Max Flow (l/min)	Max Pressure (bar)	B	C	D	E	F	G	H	L	M	N	O
LVDLFB02	3/8"	20	300	86	25	7	11	22	26	72	90.5	12	31	27

Hydraulic Symbol



Curves



Features

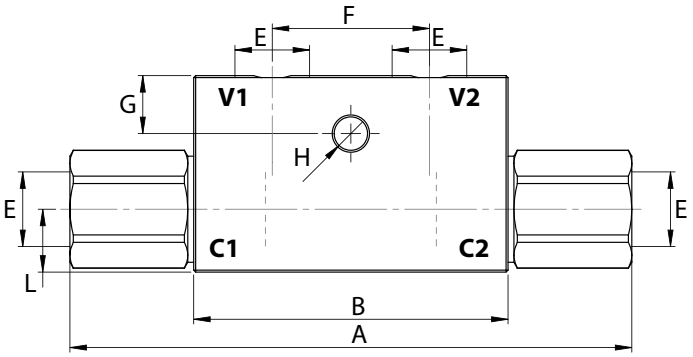
Size	02
Max Pressure (bar)	300
Max Flow (lpm)	20
Pilot Ratio	1:4.9
Cracking Pressure (bar)	4

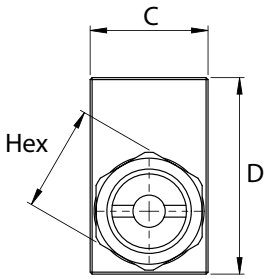
Ordering Code

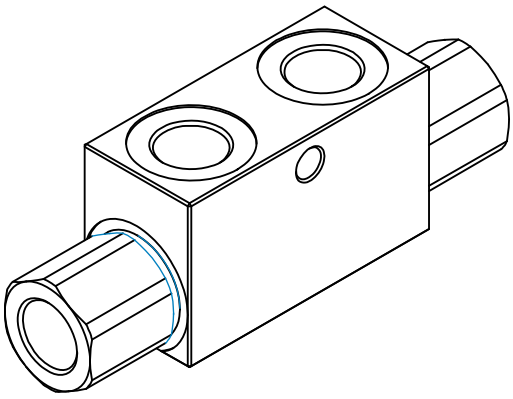
LVDLFB	**- -**

	Size BSP
02	3/8

Dimensions

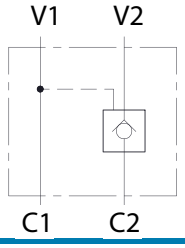






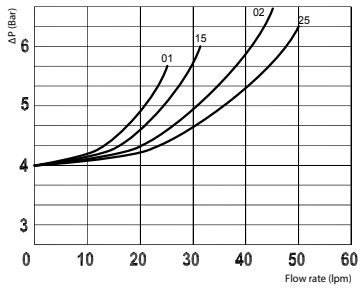
Size	A	B	C	D	E BSP	F	G	H	L	Hex	Weight kg
01	117	68	30	40	1/4	37	7	7	13	24	0,67
15	117	68	30	40	3/8	37	7	7	13	24	0,63
02	143	80	30	50	3/8	40	15	8,5	16	27	0,96
25	143	80	30	50	1/2	40	15	8,5	16	27	0,89

Hydraulic Symbol

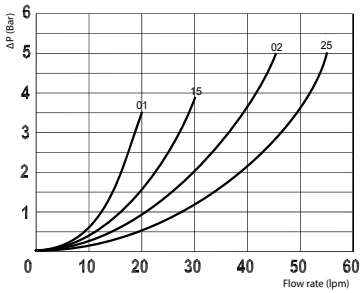


Curves

V1 → C1



C1 → V1



Features

Size	01	15	02	25
Max Pressure (bar)	350	350	300	300
Max Flow (lpm)	25	30	45	50
Pilot Ratio	1:4.6	1:4.6	1:4	1:4
Cracking Pressure (bar)	4	4	4	4

Materials: Zinc plated steel body, hardened steel inner parts.

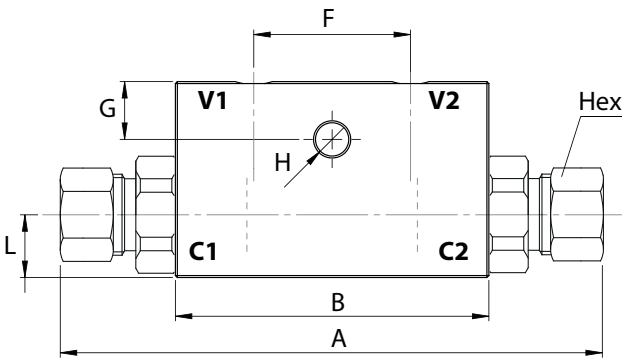
Ordering Code

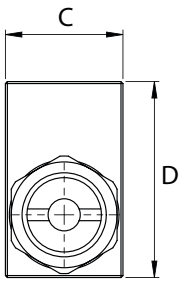
LVST	- -

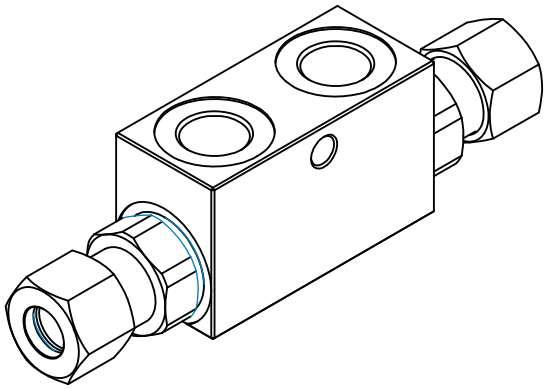
	Size BSP
01	1/4
15	3/8
02	3/8
25	1/2

Ordering Code Example: LVST15 = 3/8 BSP, 30 lpm.

Dimensions

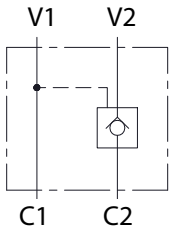






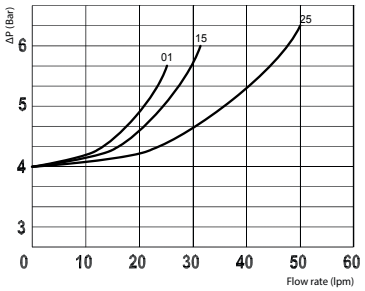
Size	A	B	C	D	V1-V2 BSP	C1-C2	F	G	H	L	Hex	Weight kg
01	138	68	30	40	1/4	12	37	7	7	13	22	0,65
15	138	68	30	40	3/8	12	37	7	7	13	22	0,62
25	154	80	35	50	1/2	15	40	15	8,5	16	27	0,90

Hydraulic Symbol

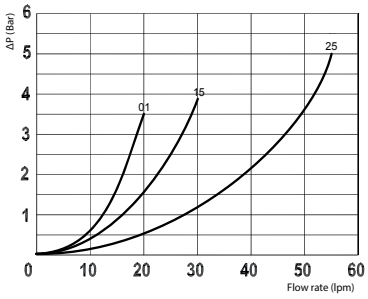


Curves

V1 → C1



C1 → V1



Features

Size	01	15	25
Max Pressure (bar)	350	350	300
Max Flow (lpm)	25	30	50
Pilot Ratio	1:4.6	1:4.6	1:4
Cracking Pressure (bar)	4	4	4

Materials: Zinc plated steel body, hardened steel inner parts.

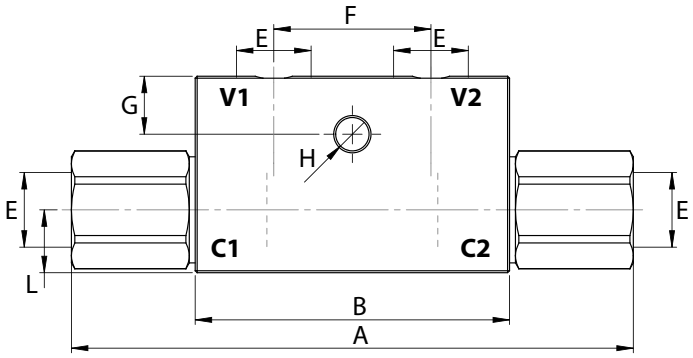
Ordering Code

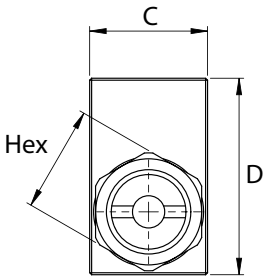
LVST-DIN **- -**

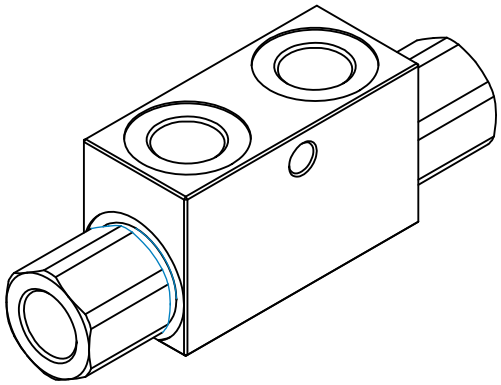
	Size BSP
01	1/4
15	3/8
25	1/2

Ordering Code Example: **LVST-DIN15** = 3/8 BSP - DIN2353 12l ported, 30 lpm.

Dimensions

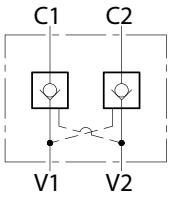




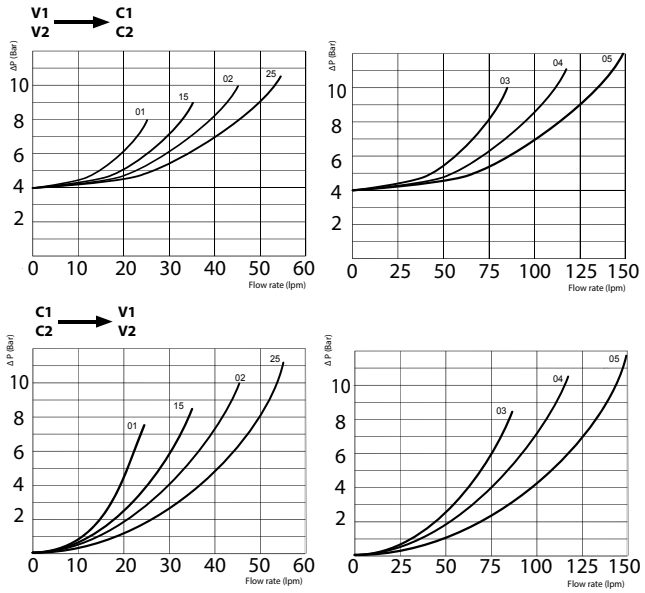


Size	A	B	C	D	E BSP	F	G	H	L	Hex	Weight kg
01	117	68	30	40	1/4	37	7	7	13	24	0,67
15	117	68	30	40	3/8	37	7	7	13	24	0,63
02	143	80	30	50	3/8	40	15	8,5	16	27	0,96
25	143	80	30	50	1/2	40	15	8,5	16	27	0,89
03	144	80	35	50	1/2	36	15	6,5	16	27	1,07
04	192	100	40	60	3/4	50	15	8,5	22	36	1,90
05	232	112	50	70	1	58	17	8,5	25	42	3,10

Hydraulic Symbol



Curves



Features

Size	01	15	02	25	03	04	05
Max Pressure (bar)	350	350	300	300	300	300	300
Max Flow (lpm)	25	30	45	50	80	120	150
Pilot Ratio	1:4.6	1:4.6	1:4	1:4	1:4	1:3,5	1:3,4
Cracking Pressure (bar)	4	4	4	4	4	4	4

Materials: Zinc plated steel body, hardened steel inner parts.

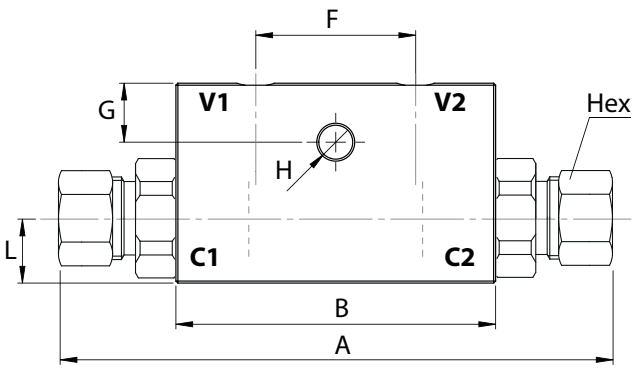
Ordering Code

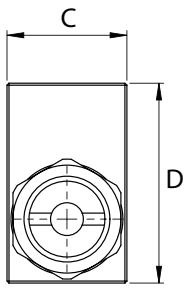
LVDT	- -

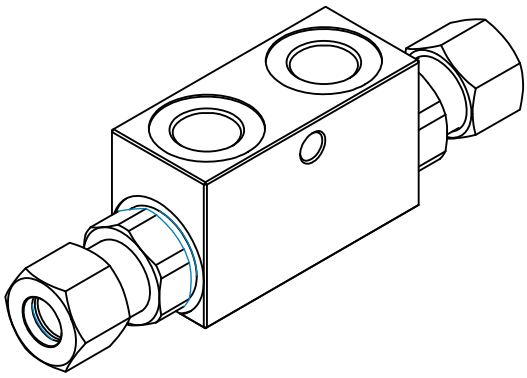
	Size BSP
01	1/4
15	3/8
02	3/8
25	1/2
03	1/2
04	3/4
05	1

Ordering Code Example: **LVDT15** = 3/8 BSP, 30 lpm.

Dimensions

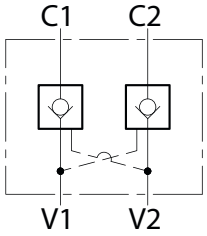




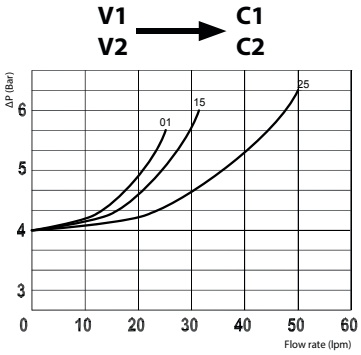


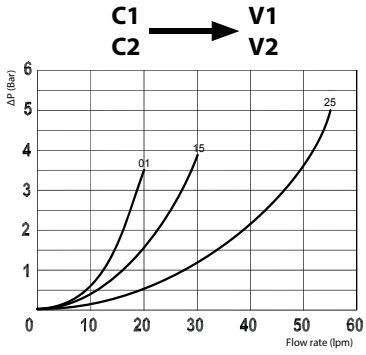
Size	A	B	C	D	V1-V2 BSP	C1-C2	F	G	H	L	Hex	Weight kg
01	138	68	30	40	1/4	12	37	7	7	13	22	0,65
15	138	68	30	40	3/8	12	37	7	7	13	22	0,62
25	154	80	35	50	1/2	15	40	15	8,5	16	27	0,90

Hydraulic Symbol



Curves





Features

Size	01	15	25
Max Pressure (bar)	350	350	300
Max Flow (lpm)	25	30	50
Pilot Ratio	1:4.6	1:4.6	1:4
Cracking Pressure (bar)	4	4	4

Materials: Zinc plated steel body, hardened steel inner parts.

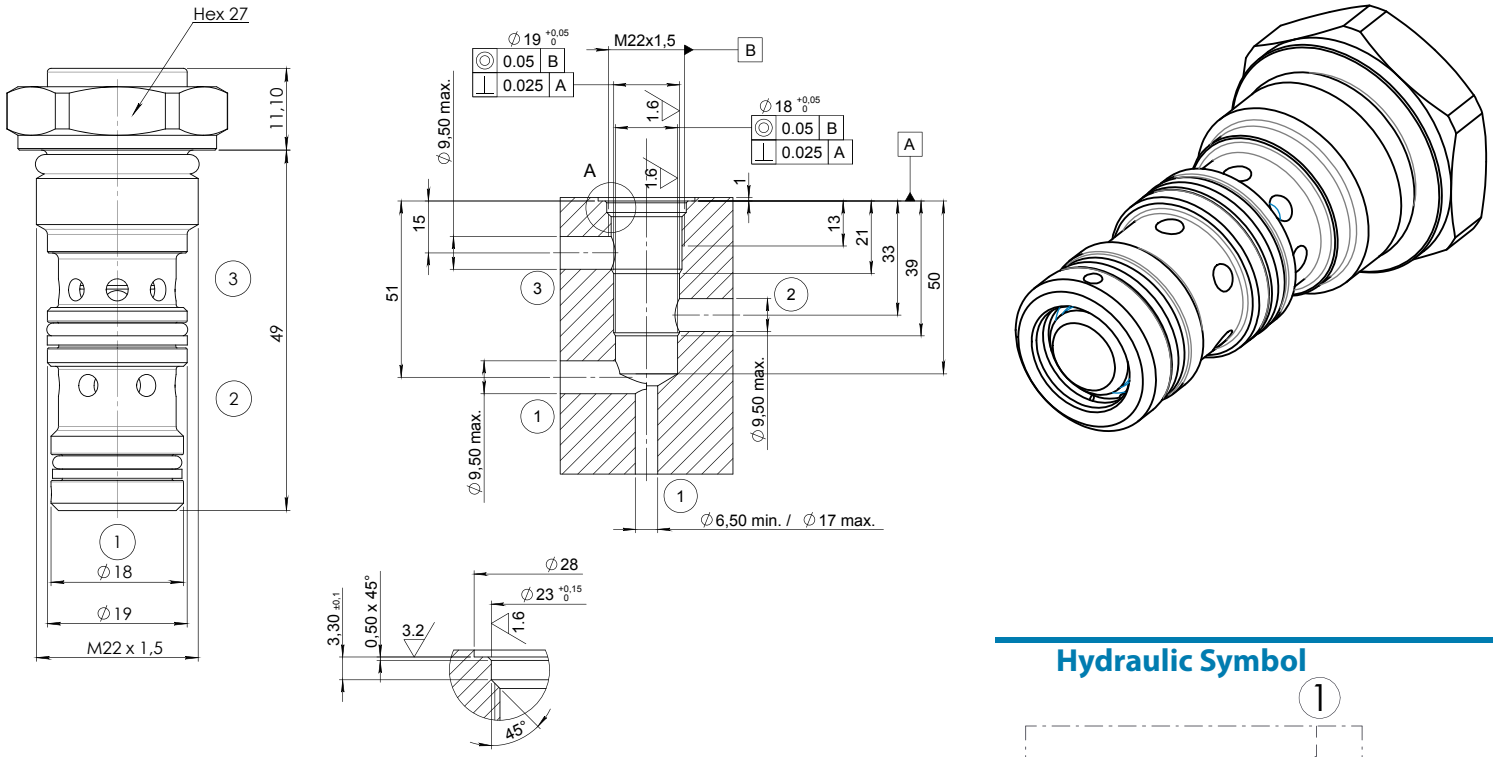
Ordering Code

LVDT-DIN - -

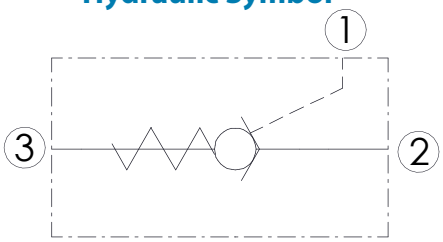
	Size BSP
01	1/4
15	3/8
25	1/2

Ordering Code Example: LVDT-DIN15 = 3/8 BSP - DIN2353 12L ported, 30 lpm.

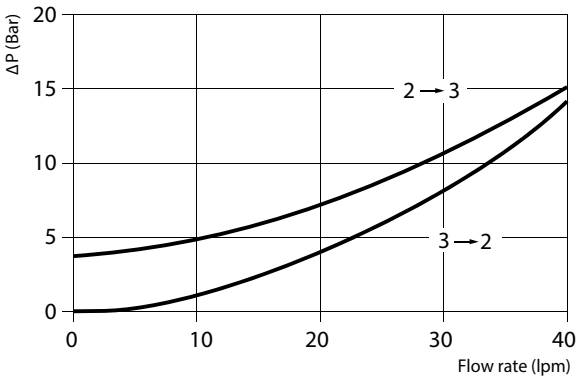
Dimensions



Hydraulic Symbol



Curves



Features

Rated Flow	25 lpm
Max Pressure	315 bar
Pilot Ratio	3,4:1
Cracking Pressure	4 bar
Installation Torque	45-50 Nm
Weight	0,1 kg

Materials: Zinc plated steel cartridge, hardened steel inner parts.

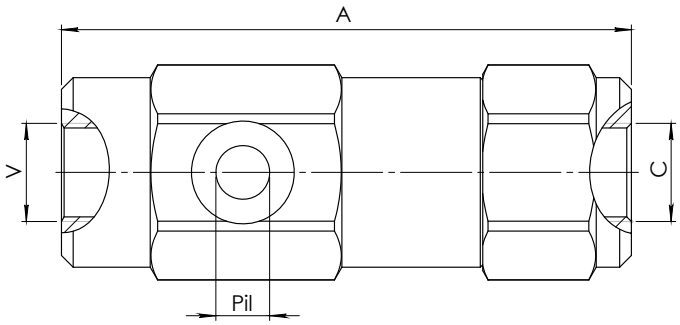
Ordering Code

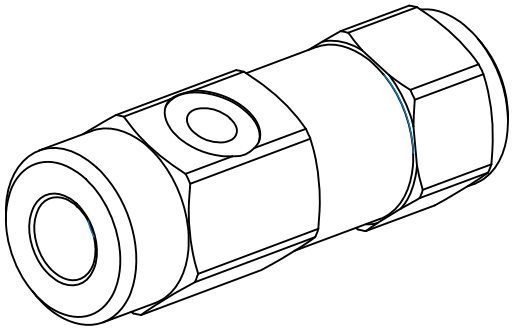
LVPC 06	-

	Spring (bar)
	4
8	8

Ordering Code Example: **LVPC06** - 4 bar Cracking Pressure.

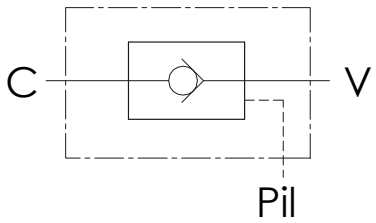
Dimensions



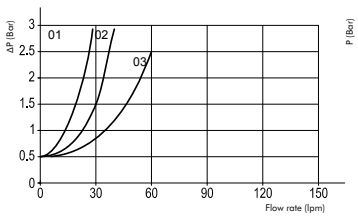


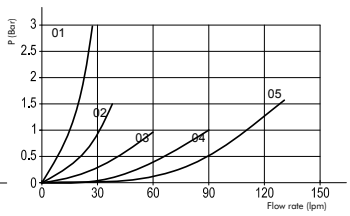
Size	A	C - V BSP	Pil BSP	Hex	Weight kg
01	103	1/4	1/4	36	0,71
02	112	3/8	1/4	41	0,98
03	122	1/2	1/4	41	1,09
04	145	3/4	1/4	55	2,32
05	164	1	1/4	55	2,44

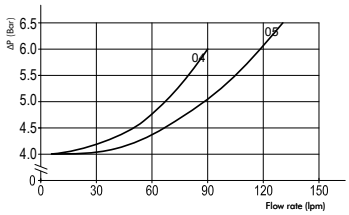
Hydraulic Symbol



Curves







Features

Size	01	02	03	04	05
Max Pressure (bar)	350	350	350	300	260
Max Flow (lpm)	25	40	60	90	130
Pilot Ratio	1:9,4	1:6,2	1:4,2	1:4,4	1:3,5
Cracking Pressure (bar)	0,5	0,5	0,5	4	4

Materials: Zinc plated steel body, hardened steel inner parts.

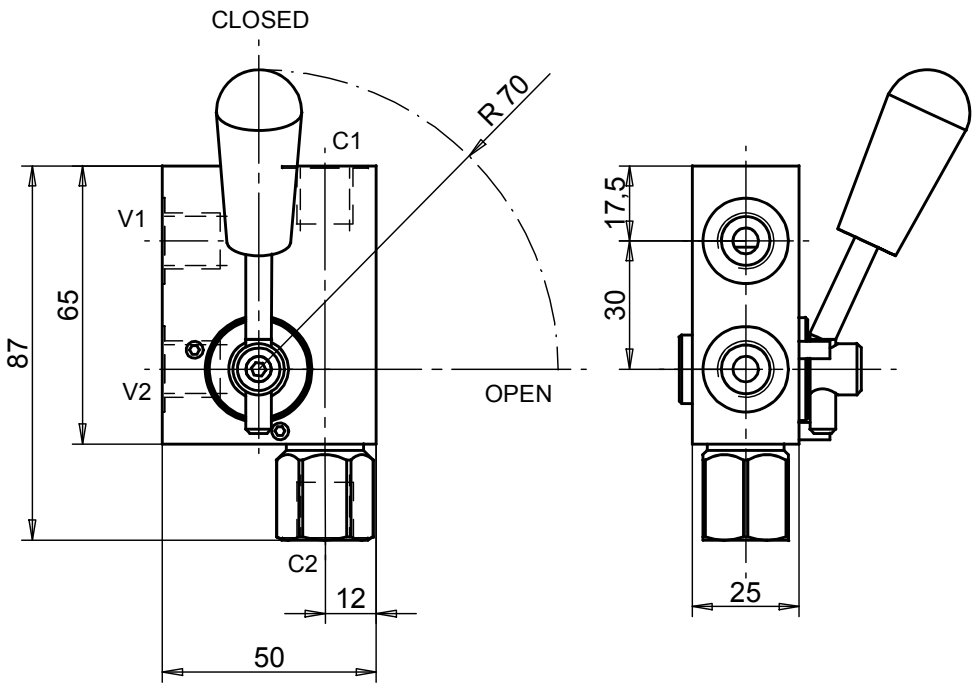
Ordering Code

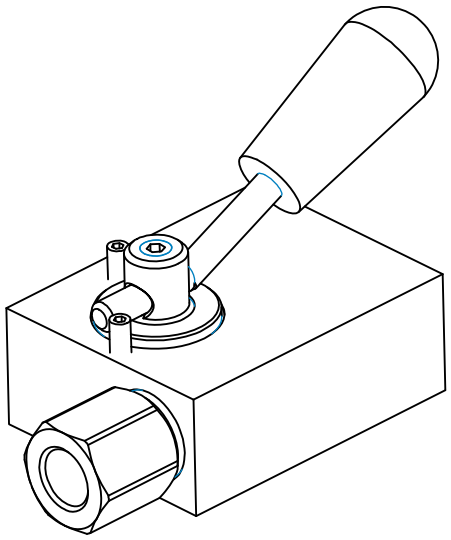
LVPL	- -

	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1

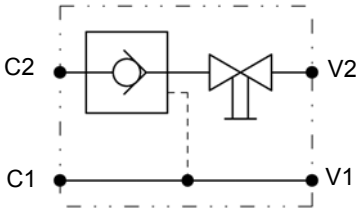
Ordering Code Example: LVPL03 = 1/2 BSP.

Dimensions

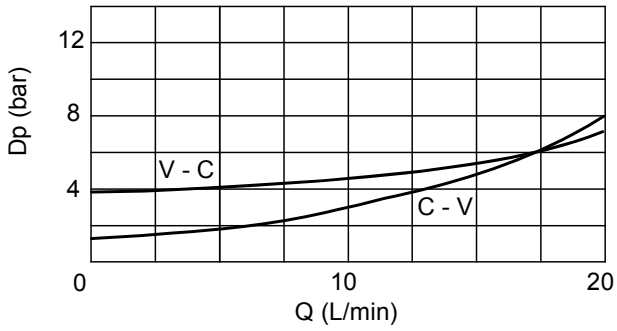




Hydraulic Symbol



Curves



Features

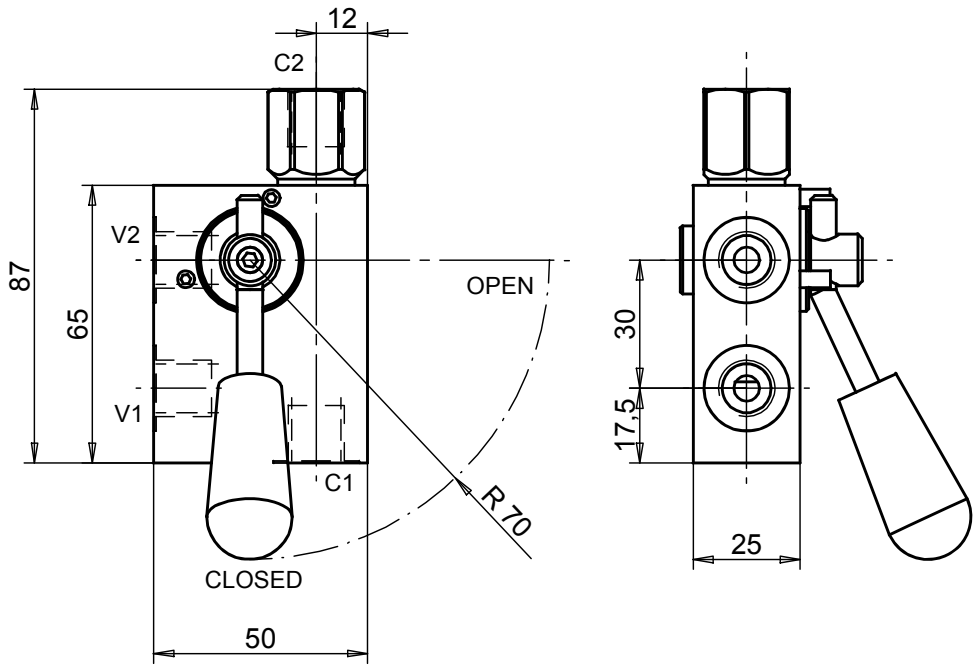
Max Flow	20 lpm
Max Pressure	350 bar
Pilot Ratio	4,7:1
Cracking Pressure	0,5 bar
Ports	1/4 bsp

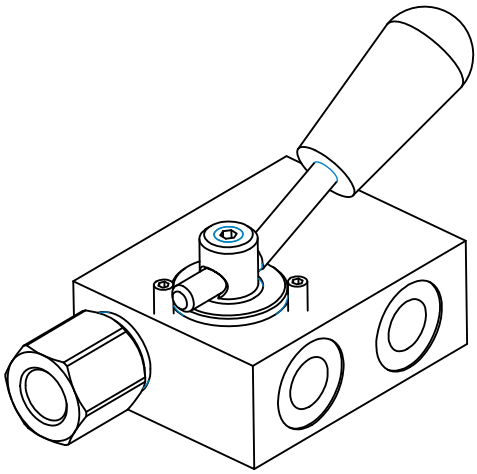
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

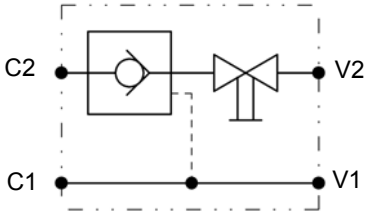
LVSLRD 01

Dimensions

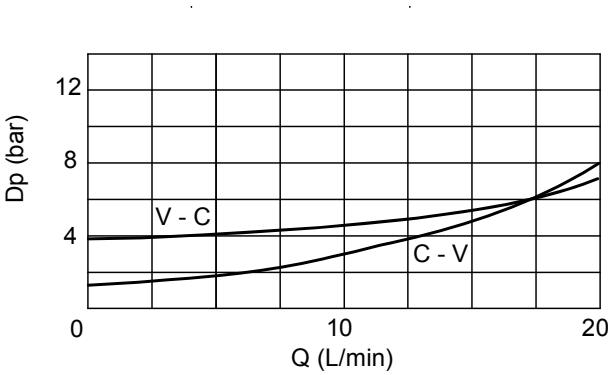




Hydraulic Symbol



Curves



Features

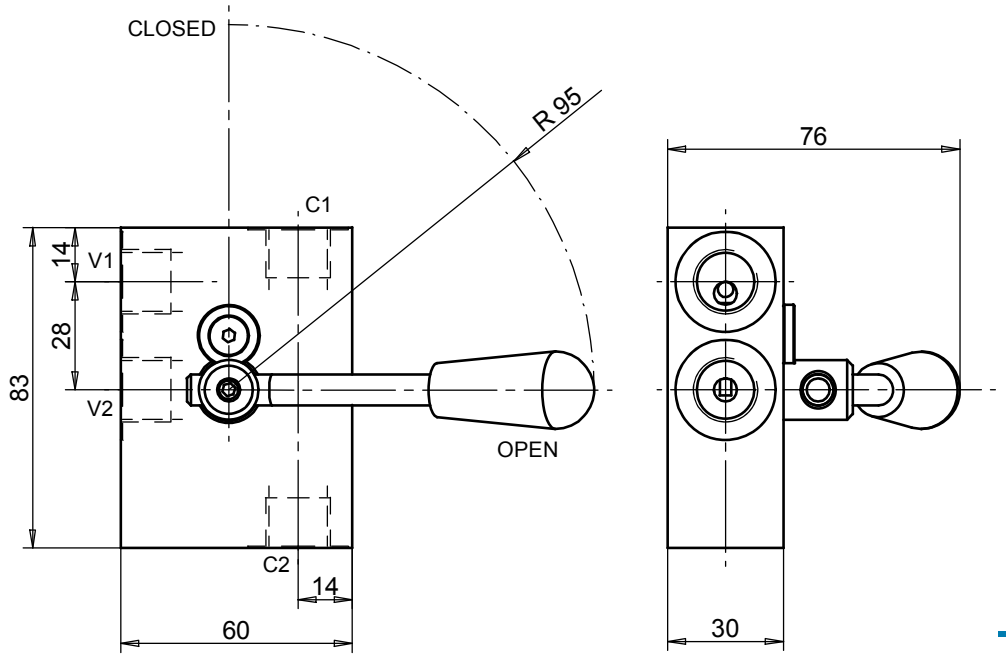
Max Flow	20 lpm
Max Pressure	350 bar
Pilot Ratio	4,7:1
Cracking Pressure	0,5 bar
Ports	1/4 bsp

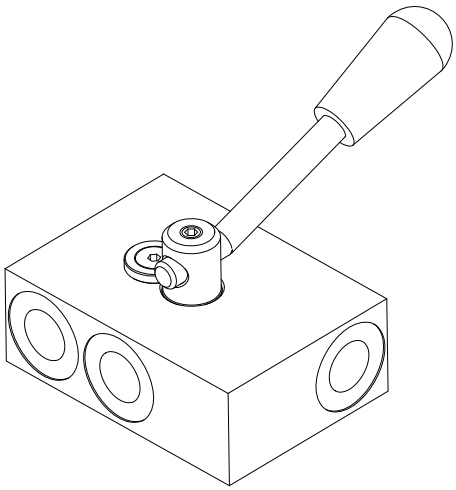
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

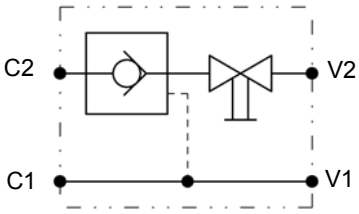
LVSLRS 01

Dimensions

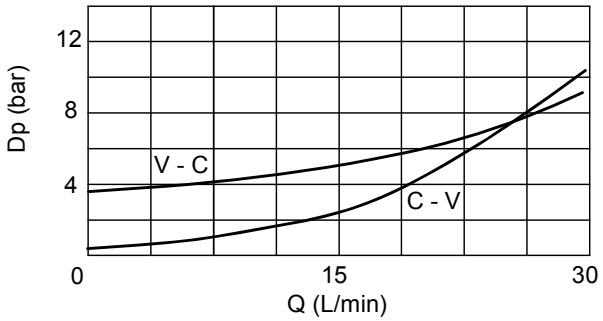




Hydraulic Symbol



Curves



Features

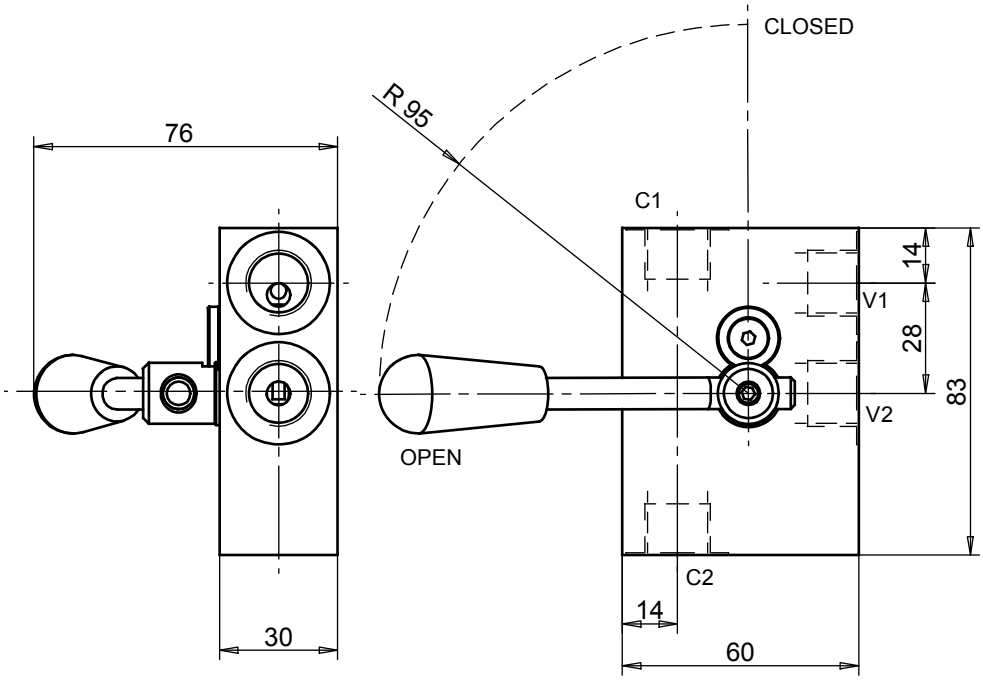
Max Flow	30 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Cracking Pressure	0,5 bar
Ports	3/8 bsp

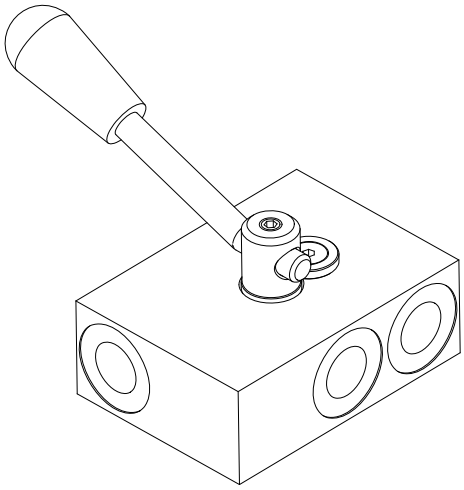
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

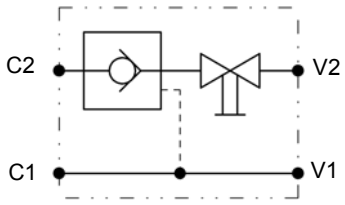
LVSLRD 02

Dimensions

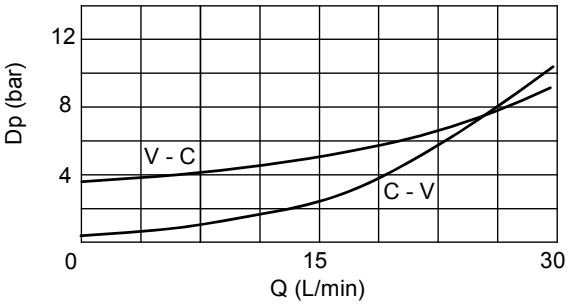




Hydraulic Symbol



Curves



Features

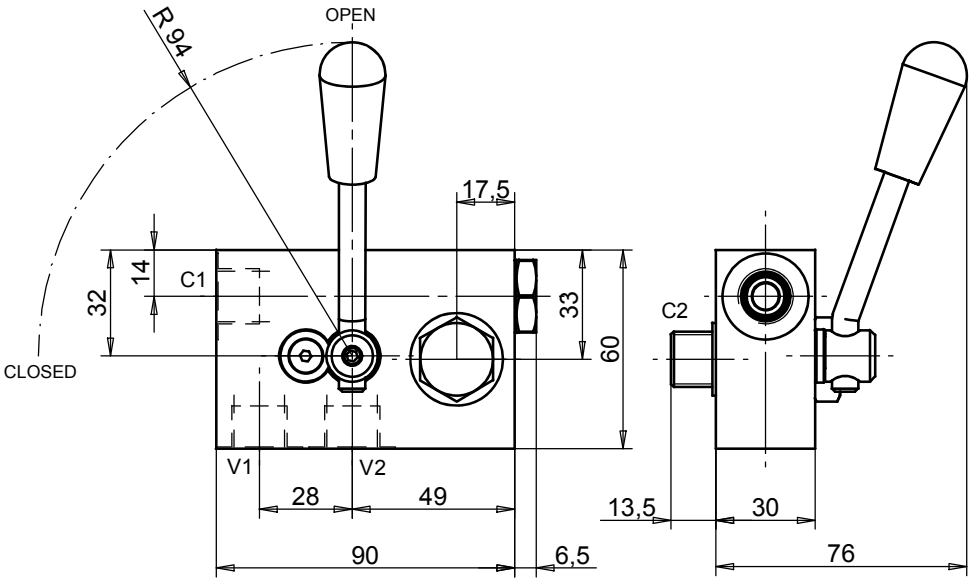
Max Flow	30 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Cracking Pressure	0,5 bar
Ports	3/8 bsp

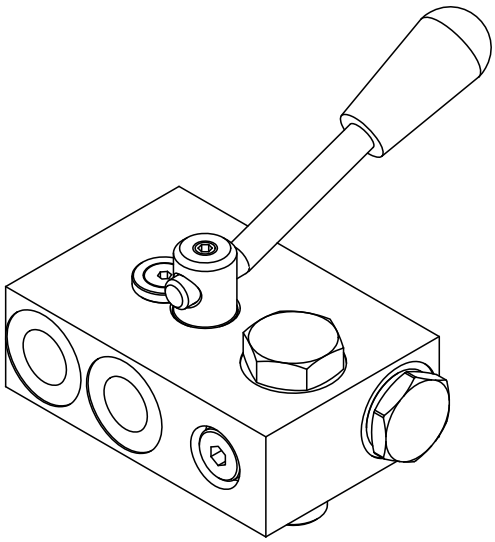
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

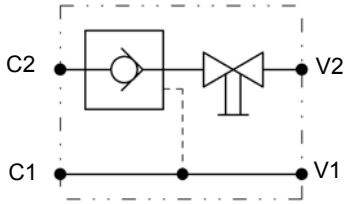
LVSLRS 02

Dimensions

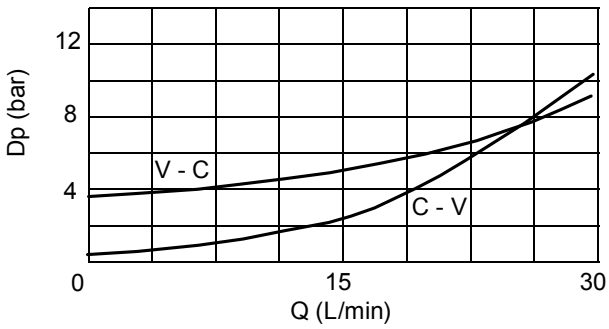




Hydraulic Symbol



Curves



Features

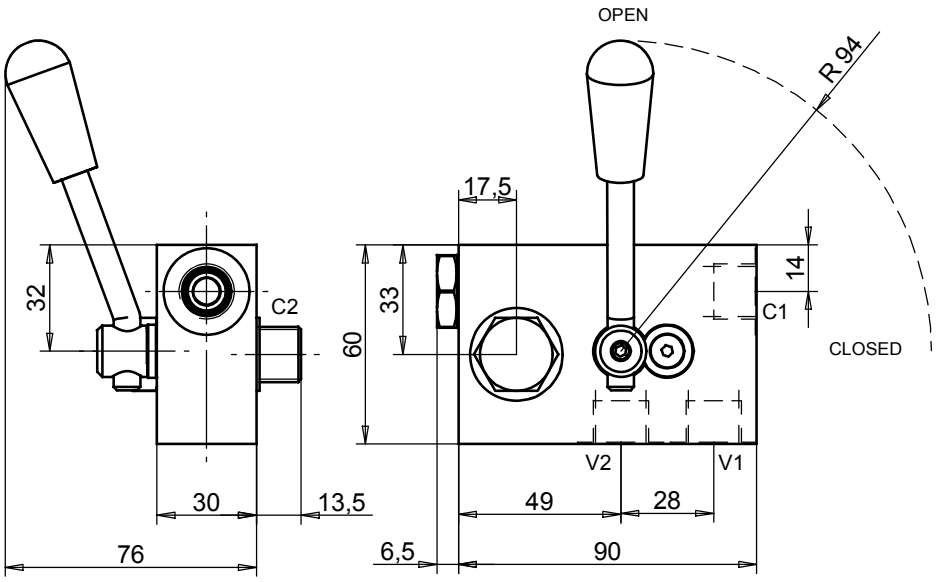
Max Flow	30 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Cracking Pressure	0,5 bar
Ports	3/8 bsp

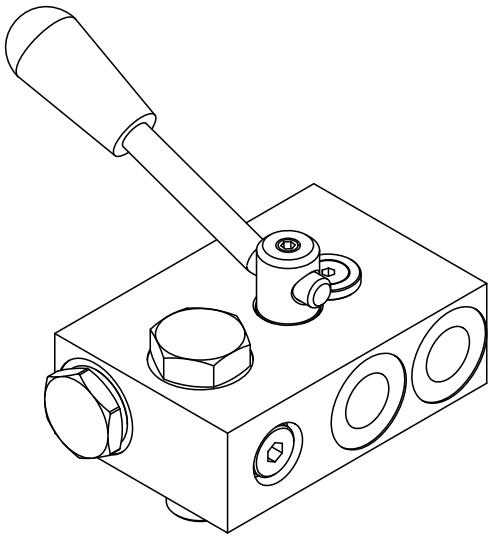
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

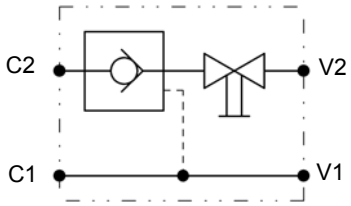
LVSFRD 02

Dimensions

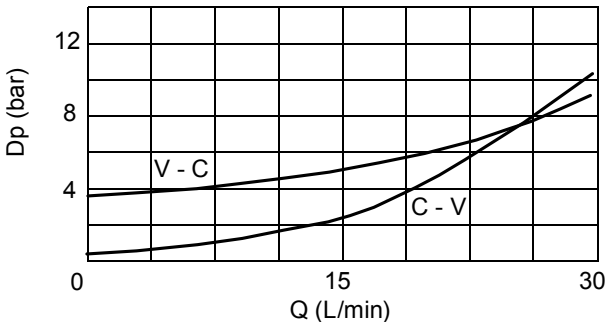




Hydraulic Symbol



Curves



Features

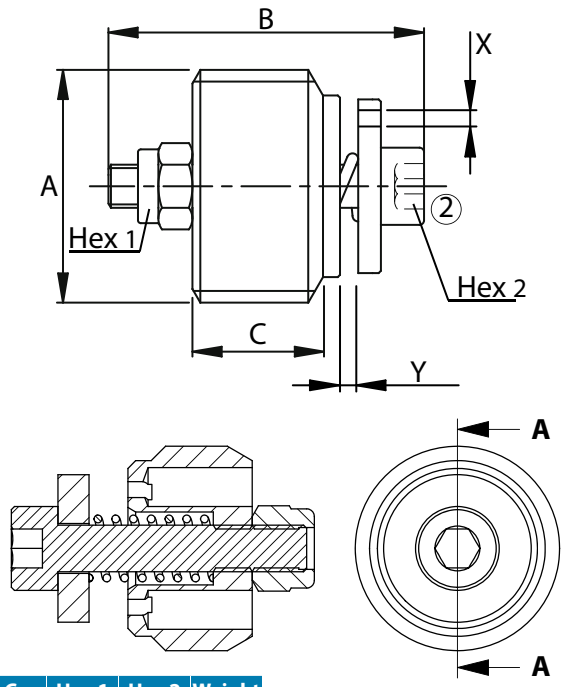
Max Flow	30 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Cracking Pressure	0,5/4 bar
Ports	3/8 bsp

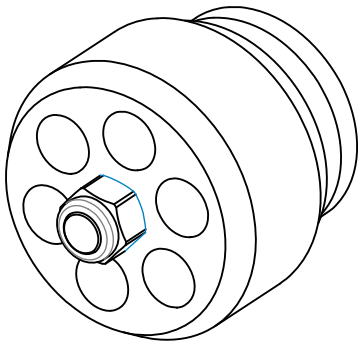
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

LVSFRS 02

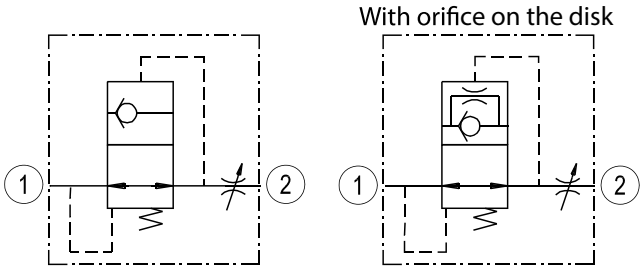
Dimensions



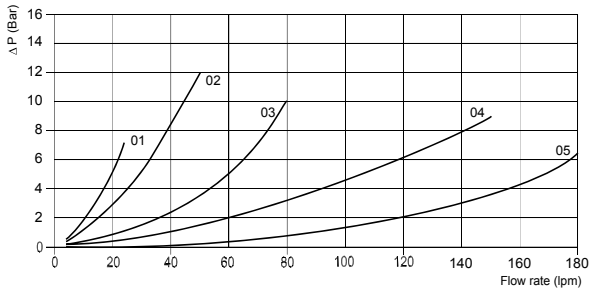


Size	A BSP	B	C	Hex 1	Hex 2	Weight kg
01	1/4	19	7	5,5	2,5	0,09
02	3/8	23	9,5	5,5	2,5	0,014
03	1/2	29	11,5	7	3	0,024
04	3/4	34	15,5	7	3	0,046
05	1	40	18,5	8	4	0,1

Hydraulic Symbol



Curves



Notice: To avoid inadverted velocity fuse activation on flow surges the setting should be at least 50% higher then the maximum working flow.

Features

Size	01	02	03	04	05
Max Pressure (bar)	350	350	350	350	350
Max Flow (lpm)	25	50	80	150	180

Materials: Steel body.

Ordering Code

HBV	- -	- -	-	-

Size BSP

01	1/4
02	3/8
03	1/2
04	3/4
05	1

Setup

	Cartridge only
MF	Cartridge + Male/Female fitting*
FF	Cartridge + Female/Female fitting*

* For line fittings dimensions refer to page 127/00

Setting

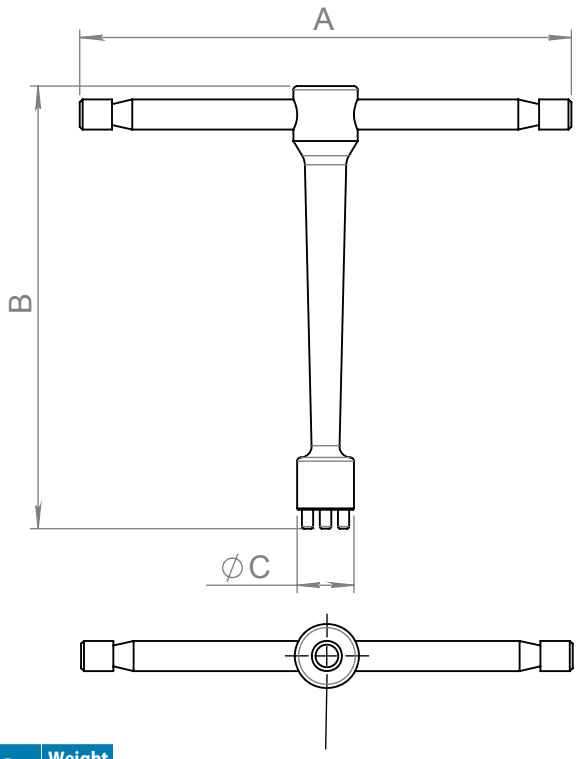
	Standard setting
Y	Customized setting (specify in lpm)

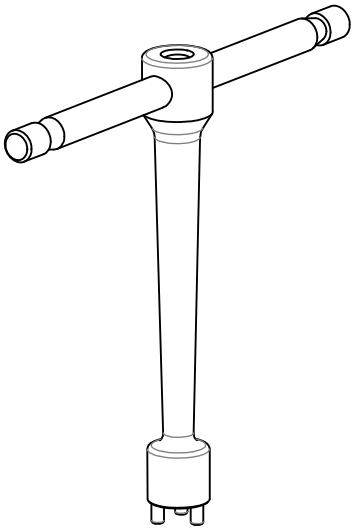
Orifice

	Without orifice on the disk
X	With orifice (specify dimension in mm)

Ordering Code Example: **HBV02** = 3/8 BSP valve only, standard setting.
HBVMFX0,8Y30 = 3/8 BSP line fitting + valve, 0,8mm orifice set at 30 lpm.

Dimensions





Size	A BSP	B	C	Weight kg
01	120	105	11,3	0,08
02	130	117	15,0	0,14

Hydraulic Symbol

Curves

Features

Materials: Passived steel body.

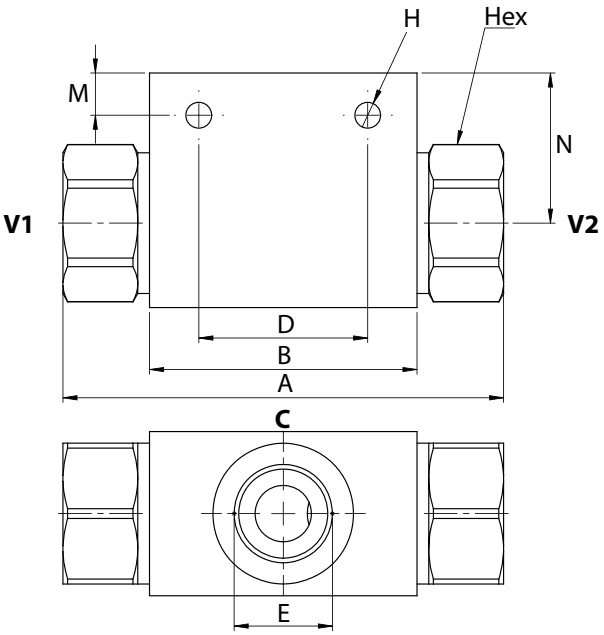
Ordering Code

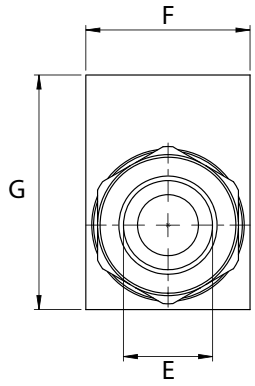
HBV	- -	- TOOL

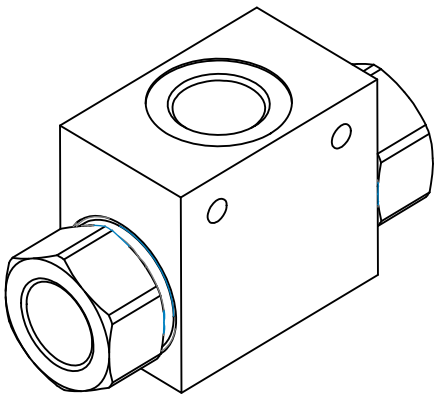
Size BSP	
01	1/4
02	3/8

Ordering Code Example: **HBV02-TOOL** = tool for HBV02 (3/8" BSP)

Dimensions

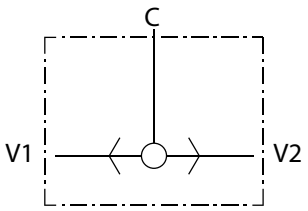




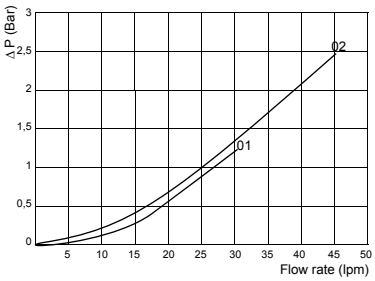


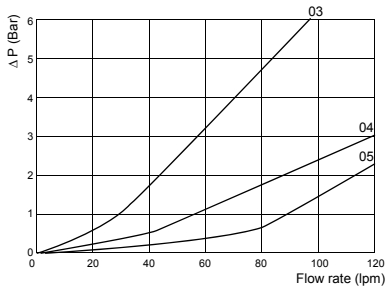
Size	A	B	D	E BSP	F	G	H	M	N	Hex	Weight kg
01	69	36	25	1/4	25	35	5,5	7,5	22,5	22	0,27
02	75	45	29	3/8	30	45	6,5	8	30	27	0,46
03	94	57	36	1/2	35	50	5,5	9	32	30	0,74
04	100	65	50	3/4	50	60	6,5	6,5	37,5	41	1,40
05	126	80	60	1	50	80	10,5	11	54,5	46	1,87

Hydraulic Symbol



Curves





Features

Size	01	02	03	04	05
Max Pressure (bar)	500	500	500	350	300
Max Flow (lpm)	35	50	90	140	180

Materials: Zinc plated steel body.

Ordering Code

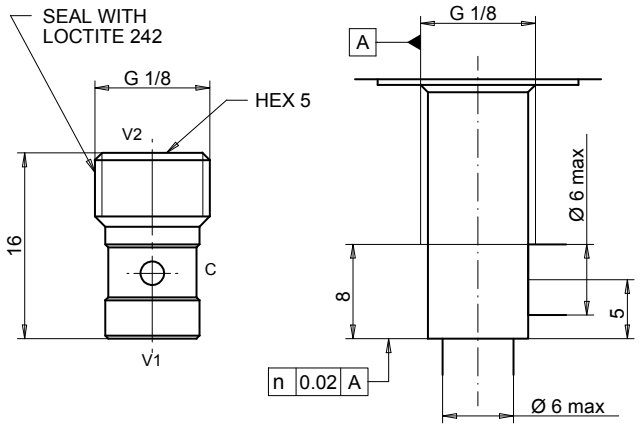
SHV	- -

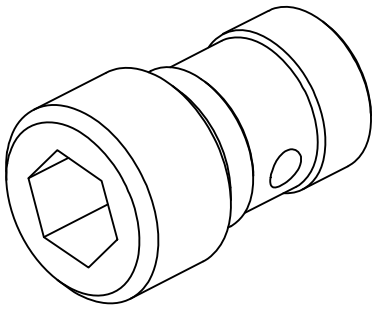
	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1

Ordering Code Example: SHV03 = 1/2 BSP.

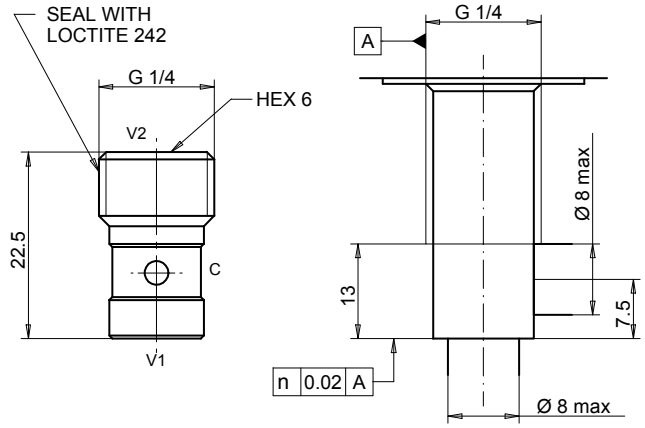
Dimensions

SHVI 005

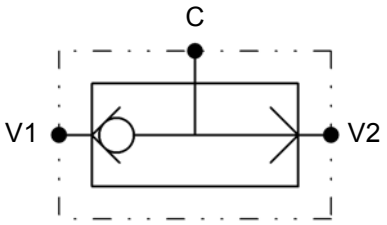




SHVI 01

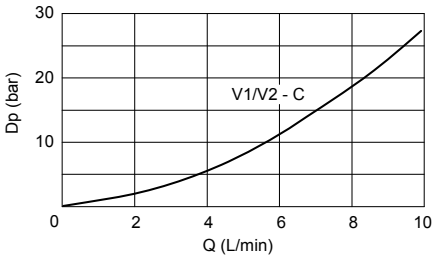


Hydraulic Symbol

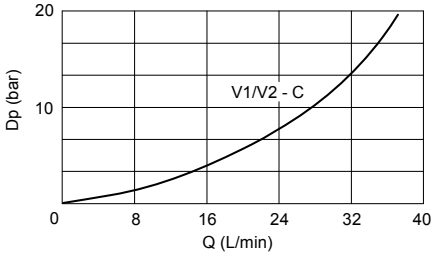


Curves

SHVI 005



SHVI 01



Features

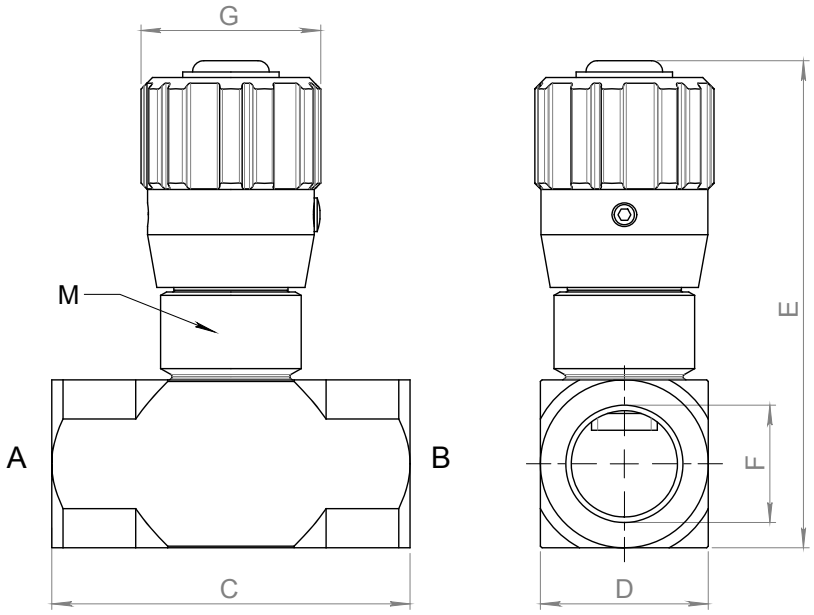
Size	005	01
Max Pressure (bar)	350	350
Max Flow (lpm)	10	36

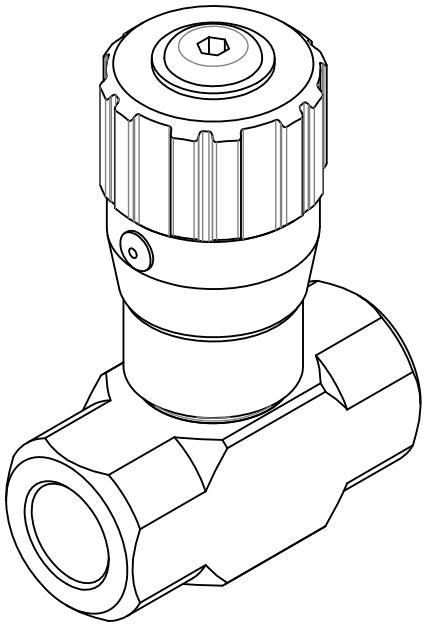
Ordering Code

SHVI	- -

	Size BSP
005	1/8
01	1/4

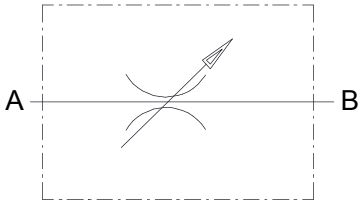
Dimensions



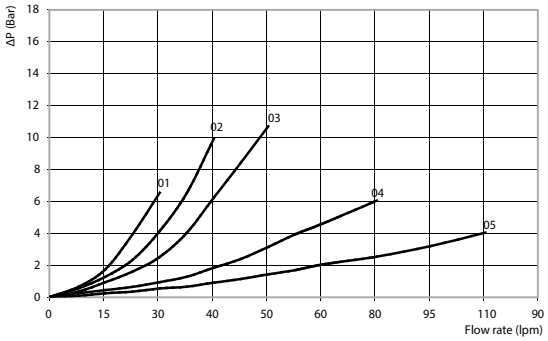


Size	F BSP	C	D	E	G	M	Weight kgs
01	1/4	58	25	82	32	M25x1,5	0,37
02	3/8	58	25	82	32	M25x1,5	0,35
03	1/2	64	30	86,5	32	M25x1,5	0,45
04	3/4	89	40	113	44	M35x1,5	1,16
05	1	89	40	111	44	M35x1,5	1,03

Hydraulic Symbol



Curves



Features

Size	Max Pressure bar	Max Flow rate lpm
01	350	30
02	350	40
03	350	50
04	320	80
05	300	110

Materials: Zinc plated steel body, alloy handknob.

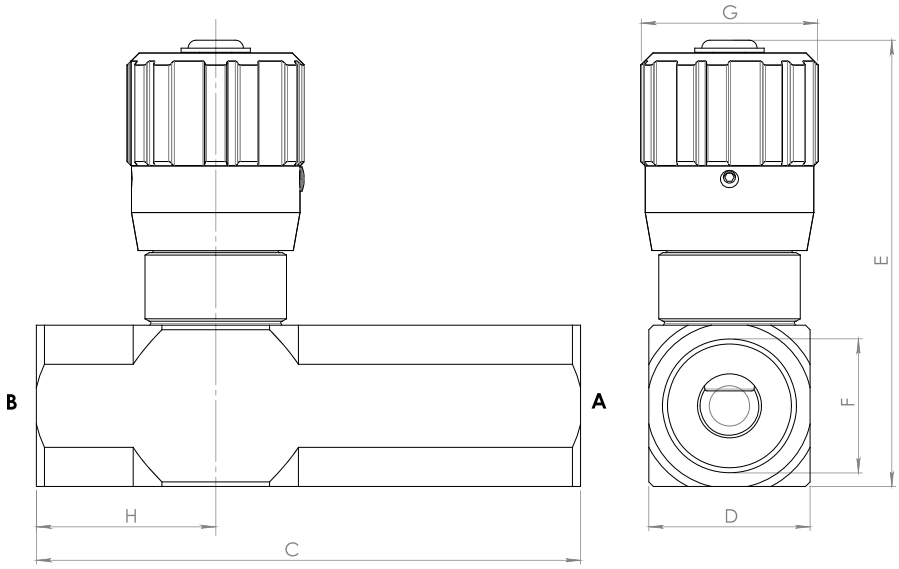
Ordering Code

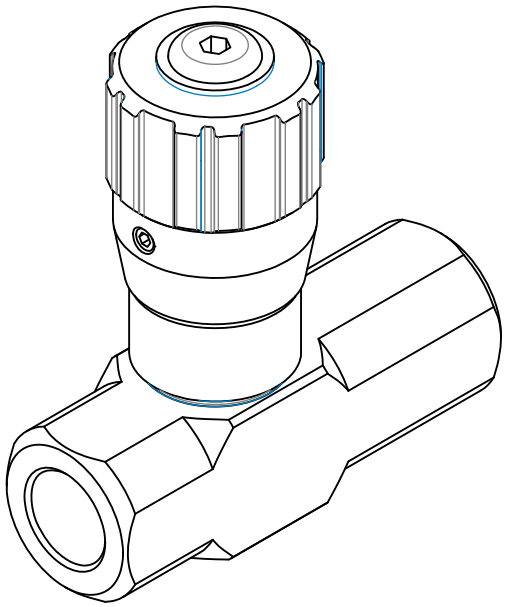
FRB90	- -

	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1

Ordering Code Example: FRB9003 = Needle valve1/2 BSP.

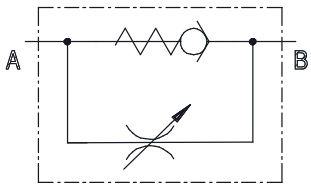
Dimensions



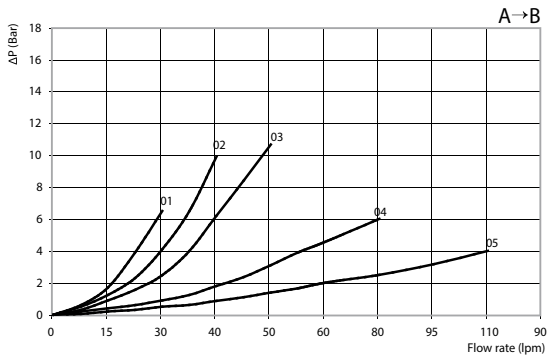


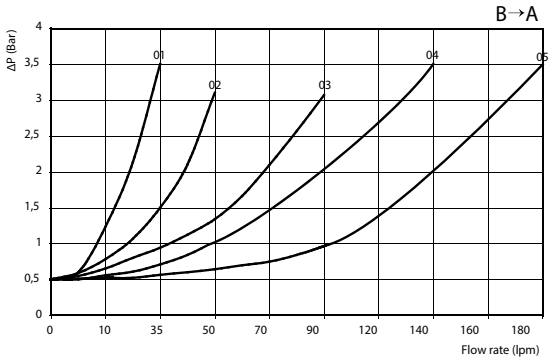
Size	F BSP	C	D	E	G	H	M	Weight kg	Max Pressure bar	Max Flow Rate A→B lpm	Max Flow rate B→A lpm	Cracking Pressure bar
01	1/4	75	25	82	32	28,5	M25x1,5	0,42	350	30	35	0,5
02	3/8	75	25	82	32	31,5	M25x1,5	0,39	350	40	50	0,5
03	1/2	93	30	84,5	32	34,5	M25x1,5	0,60	350	50	90	0,5
04	3/4	108	40	108	44	44	M35x1,5	1,42	320	80	140	0,5
05	1	108	40	108	44	44	M35x1,5	1,39	300	110	160	0,5

Hydraulic Symbol



Curves





Materials: Zinc plated steel body, alloy handknob.

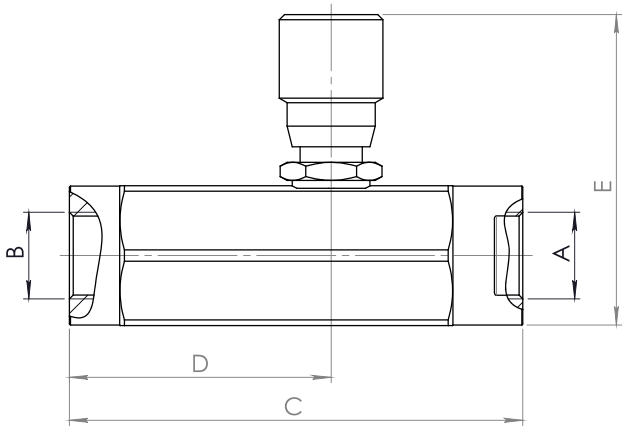
Ordering Code

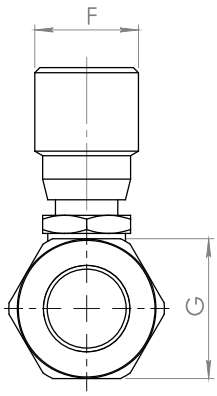
FRU90	- -

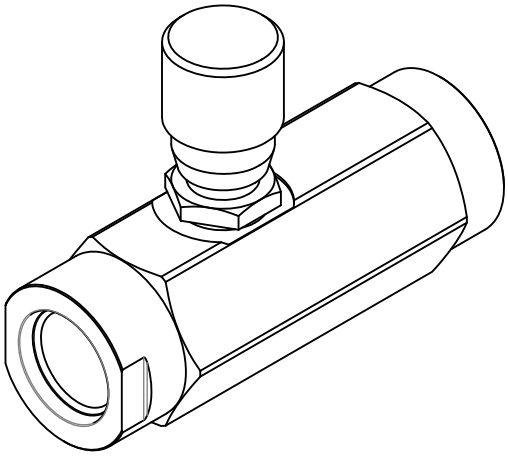
	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1

Ordering Code Example: FRU9004 = 3/4 BSP.

Dimensions

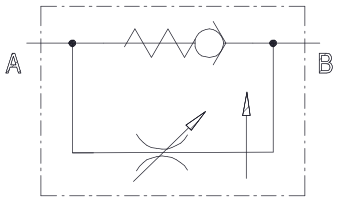




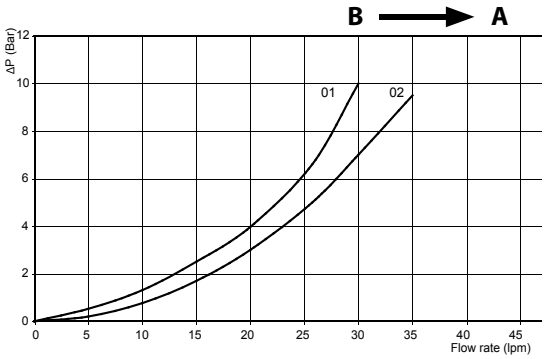


Size	A - B BSP	C	D	E max	F	G	Weight kgs
01	1/4	86	35	70	20	27	0,50
02	3/8	86	35	70	20	27	0,48

Hydraulic Symbol



Curves



Features

Size	01	02
Max Pressure (bar)	250	250
Max Flow A→B (lpm)	17	17
Max Flow B→A (lpm)	25	27

Materials: Zinc plated steel body, alloy handknob.

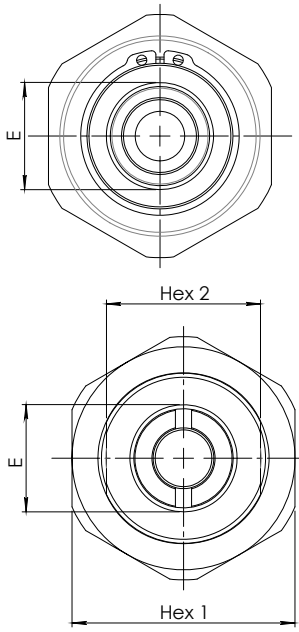
Ordering Code

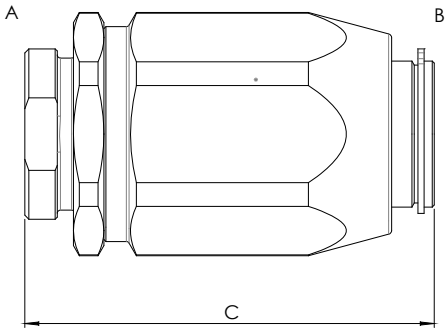
FRC90	- -

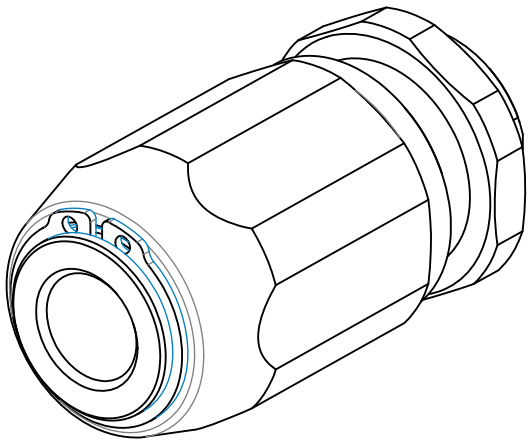
	Size BSP
01	1/4
02	3/8

Ordering Code Example: **FRC9003** = 1/2 BSP.

Dimensions

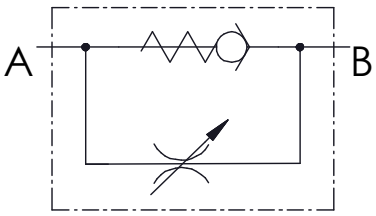




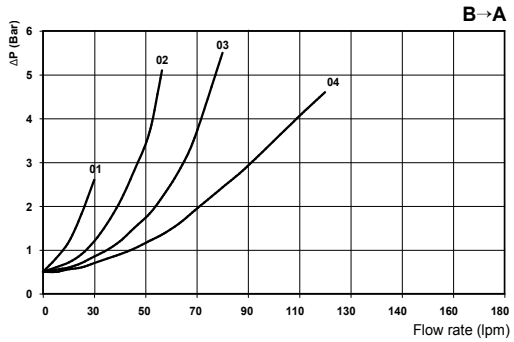


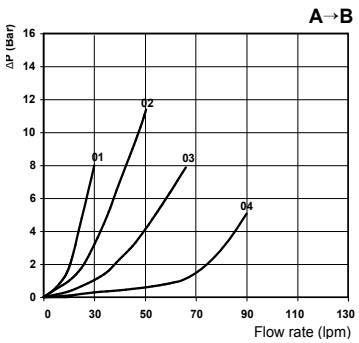
Size	C	E BSP	Hex 1	Hex 2	Weight kg	Max Pressure bar	Max Flow Rate A→B lpm	Max Flow Rate B→A lpm	Cracking Pressure bar
01	65	1/4	32	22	0,29	350	30	30	0,5
02	75	3/8	38	27	0,48	350	40	50	0,5
03	80	1/2	41	30	0,59	350	50	80	0,5
04	101	3/4	55	38	1,34	300	80	110	0,5

Hydraulic Symbol



Curves





Materials: Zinc plated steel body, hardened steel poppet.

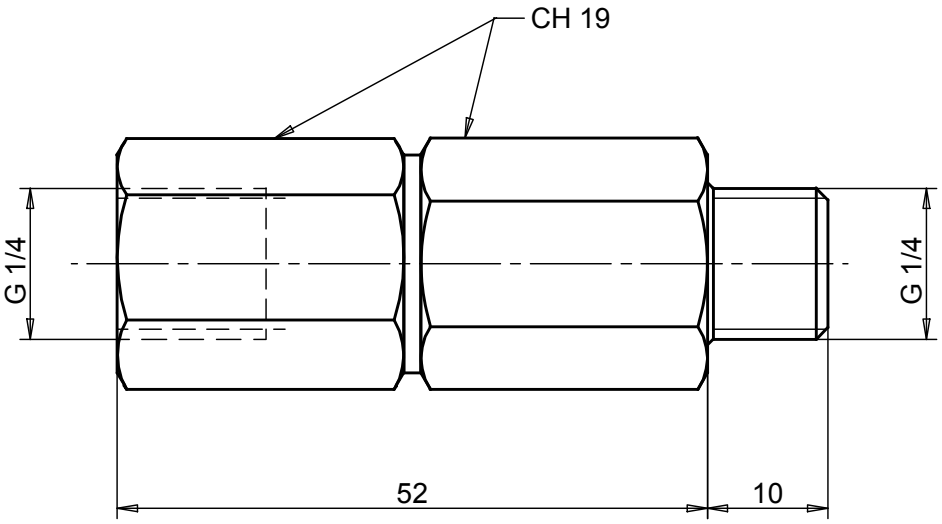
Ordering Code

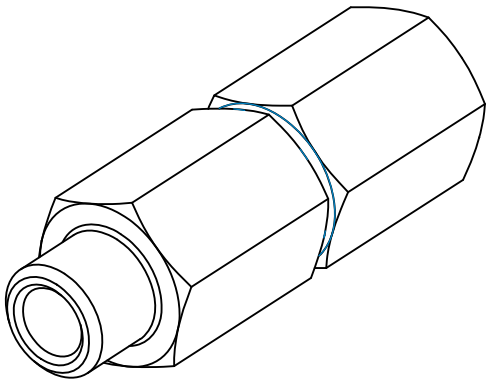
FRUB	- -

	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4

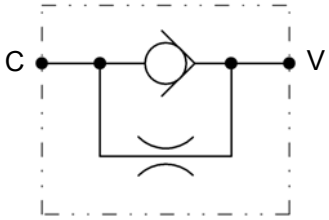
Ordering Code Example: FRUB03 = 1/2 BSP.

Dimensions





Hydraulic Symbol



Features

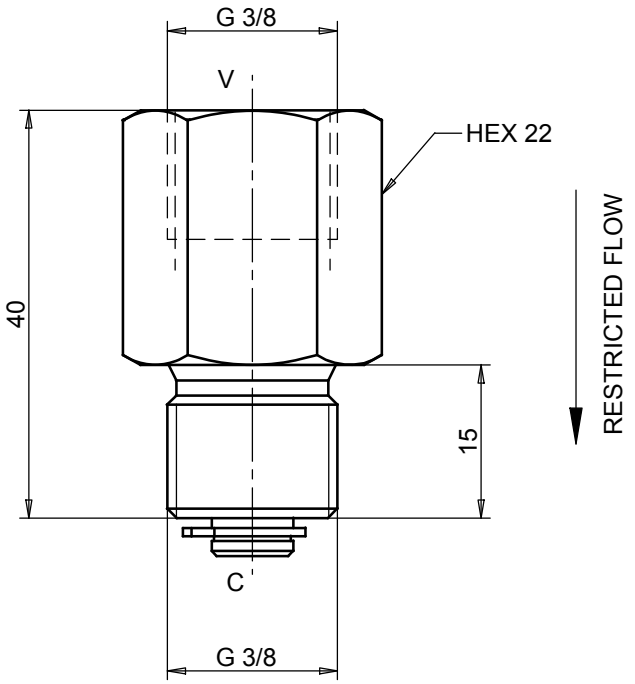
Max Pressure (bar)	350									
Max Flow (lpm)	10									
Z (mm)	0,40	0,5	0,6	0,7	0,8	0,9	1,0	1,3	1,5	1,75

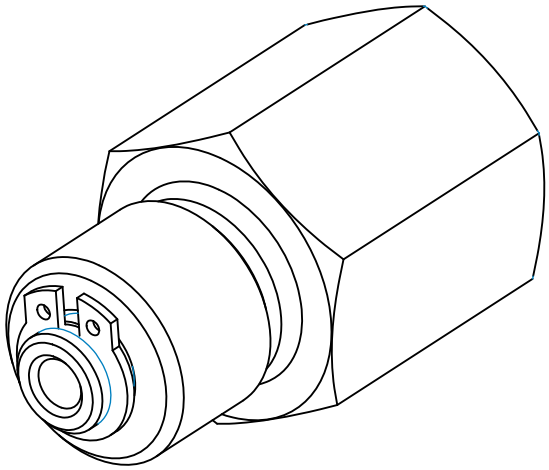
Ordering Code

VSFUD 01	- -

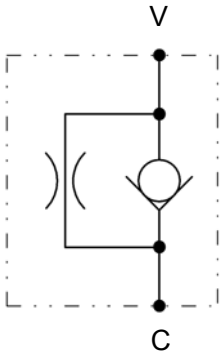
	Orifice Ø
Z	To be specified

Dimensions





Hydraulic Symbol



Features

Max Pressure (bar)	250						
Max Flow (lpm)	30						
Z (mm)	0,50	0,75	1,0	1,25	1,5	1,75	2,0

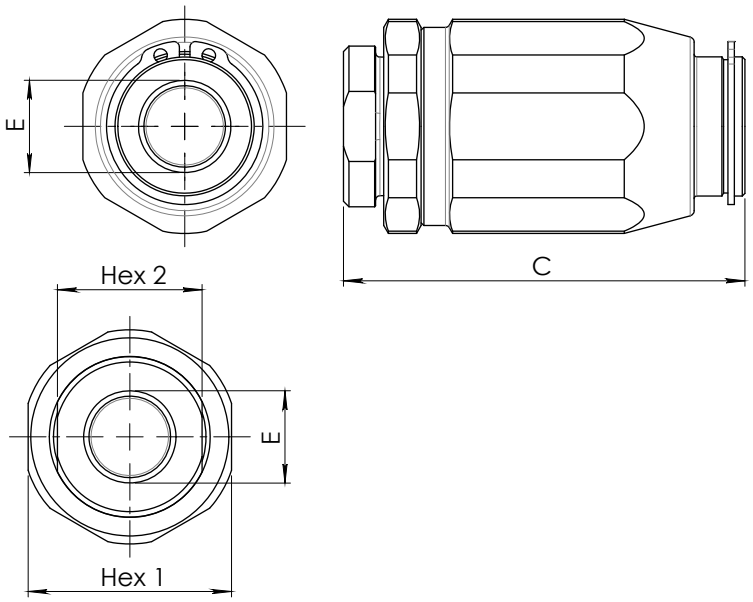
Other holes on request

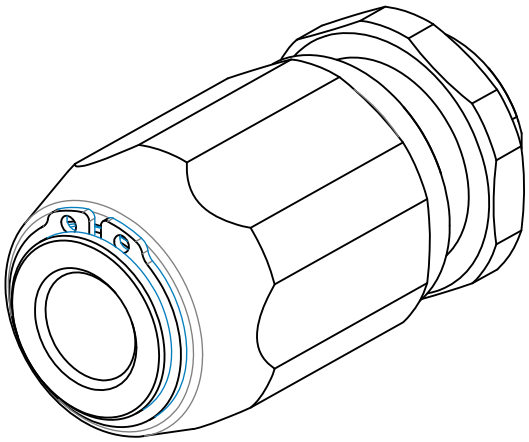
Ordering Code

VSF 02	- -

Orifice Ø	
Z	To be specified

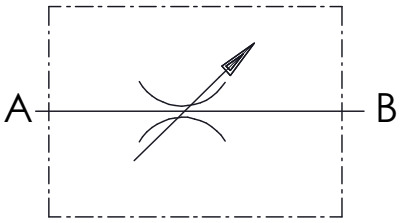
Dimensions



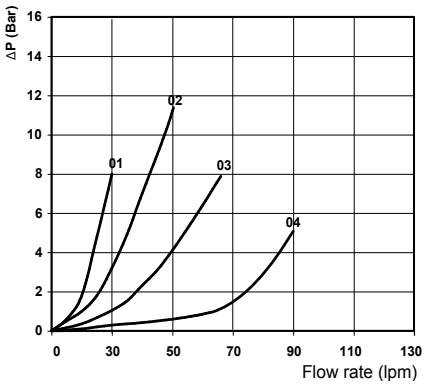


Size	C	E BSP	Hex 1	Hex 2	Weight kg	Max Pressure bar	Max Flow rate lpm
01	65	1/4	32	22	0,29	350	30
02	75	3/8	38	27	0,46	350	40
03	80	1/2	41	30	0,57	350	50
04	101	3/4	55	38	1,30	300	80

Hydraulic Symbol



Curves



Materials: Zinc plated steel.

Ordering Code

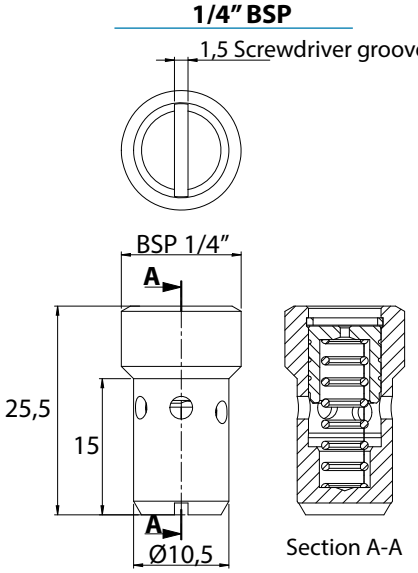
FRBB	- -

	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4

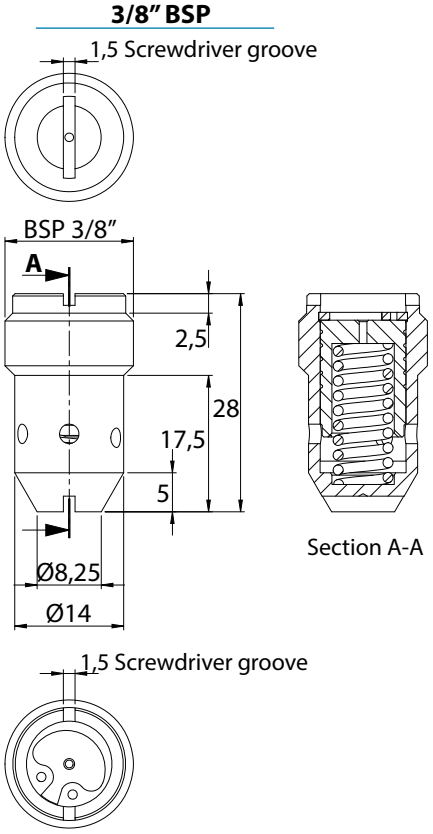
Ordering Code Example: FRBB03 = 1/2 BSP.

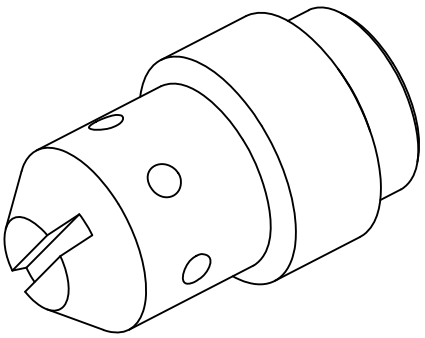
Dimensions

1/4" BSP

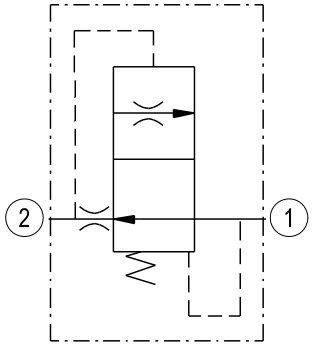


3/8" BSP





Hydraulic Symbol



Features

Max Pressure	350 bar

Materials: Steel cartridge, hardened steel inner parts.

Ordering Code

DVF	- -	- -	- -

Size BSP	
01	1/4
02	3/8

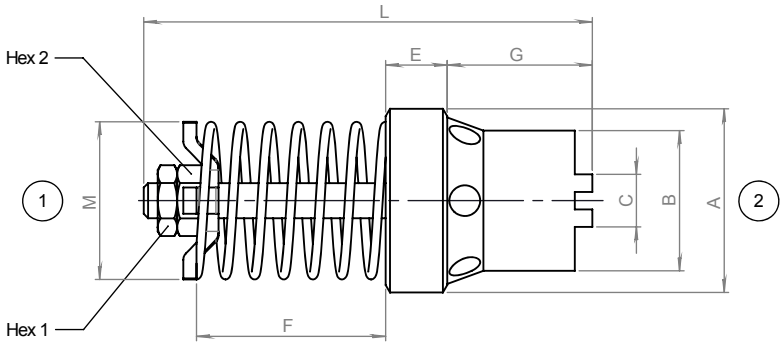
Flow Rate (lpm)		
Size	**01**	**02**
A	1	2
AB	1,5	-
B	2	-
C	3	3
D	4	4
E	5	5
F	6	6
G	7	7
H	8	8
I	9	9
J	10	10
K	-	11
L	-	12
M	-	13
N	-	14
O	-	15
P	-	16
Q	-	17
R	-	18
S	-	19
T	-	20

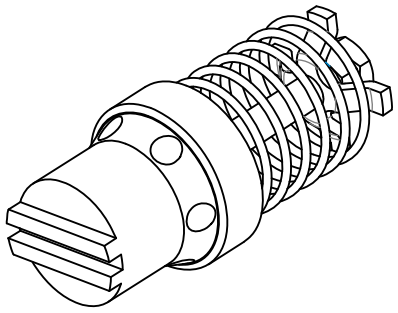
Setup	
	Cartridge only
MF	Cartridge+Male/Female fitting *
FF	Cartridge+Female/Female fitting *

* For line fittings dimensions refer to page 127/00

Ordering Code Example: DVF01B = 1/4" BSP cartridge, 2 lpm at 60 bar.

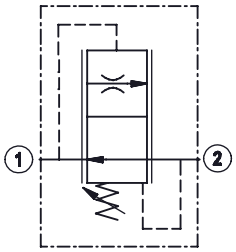
Dimensions



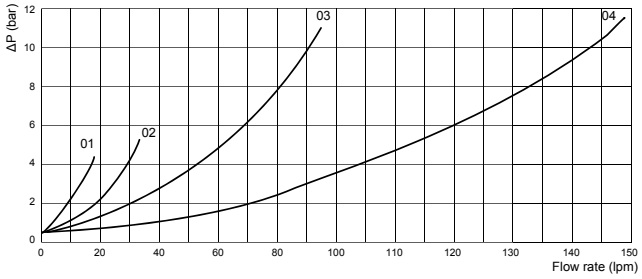


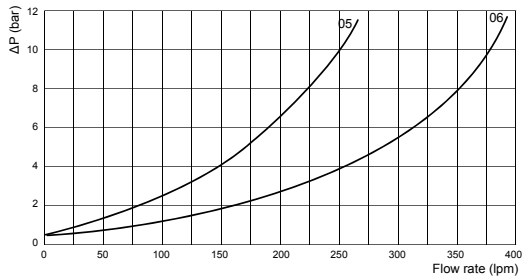
Size	A (BSP)	Max Flow (lpm)	Max Pressure (bar)	B	C	E	G	L	M	Hex 1	Hex 2	Thgheting Torque (Nm)	Weight (kg)
01	1/4	15	300	10	4	6,5	13,5	39	10	5,5	5,5	6	0,013
02	3/8	35	300	11,5	6	7	15	45	14	6	7	8	0,024
03	1/2	65	300	16	6	7	16,5	51	18	6	7	12	0,037
04	3/4	150	300	20	8	9,5	21,5	62	23	6	7	15	0,070
05	1	250	250	26	14	15	25	82	28,5	8	8	20	0,170
06	1-1/4	400	250	33	17,5	20,5	31,5	95	35	10	10	25	0,270

Hydraulic Symbol



Curves





Materials: Steel cartridge.

Ordering Code

VRD	- -	-	- -

Size BSP

01	1/4
02	3/8
03	1/2
04	3/4
05	1
06	1 - 1/4

Flow Rate (lpm)

Setting Range	01	02	03	04	05	06
A	1 - 1,6	2,5 - 4	16 - 21	37 - 50	80 - 100	160 - 210
B	1,5 - 2,5	3,8 - 6,3	20,5 - 28	48 - 65	100 - 130	205 - 250
C	2,4 - 4	6,1 - 10	27,5 - 37	63 - 90	128 - 162	245 - 280
D	3,9 - 6,3	9,8 - 16	36,5 - 50	88 - 120	160 - 200	270 - 340
E	6,2 - 10	15,8 - 25	48 - 65	115 - 150	195 - 250	330 - 400
F	9,5 - 15	24,5 - 35	/	/	/	/

Setup

	Cartridge only
MF	Cartridge+Male/Female fitting *
FF	Cartridge+Female/Female fitting *

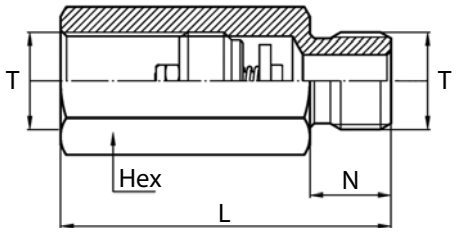
* For line fittings dimensions refer to page 127/05

Ordering Code Example: **VRD03D** = 1/2" BSP cartridge, 36,5 - 50 lpm flow rate setting range

Dimensions

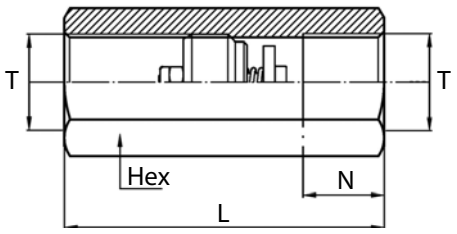
HBV

MALE-FEMALE LINE FITTING



Size	L	N	T BSP	Hex	Weight kg
01	50	11	1/4	19	0,075
02	60	12	3/8	22	0,105
03	65	16	1/2	27	0,185
04	81	17	3/4	32	0,365
05	92	18	1	41	0,765

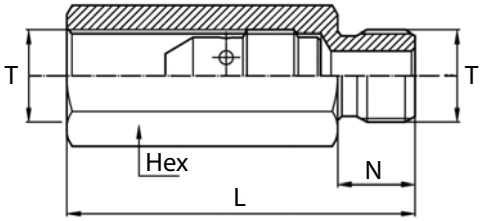
FEMALE-FEMALE LINE FITTING



Size	L	N	T BSP	Hex	Weight kg
01	59	12	1/4	19	0,075
02	64	12	3/8	22	0,097
03	60	14	1/2	27	0,160
04	76	16	3/4	32	0,350
05	86	20	1	41	0,785

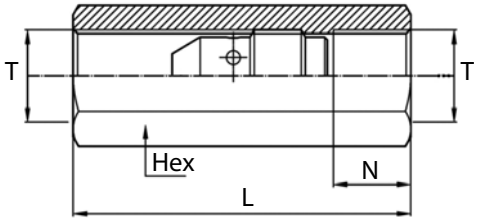
DVF

MALE-FEMALE LINE FITTING



Size	L	N	T BSP	Hex	Weight kg
01	60	12	1/4	19	0,078
02	82	12	3/8	22	0,098

FEMALE-FEMALE LINE FITTING



Size	L	N	T BSP	Hex	Weight kg
01	59	12	1/4	19	0,080
02	64	14	3/8	22	0,100

Materials: Zinc plated steel.

WARNING: HBV and DVF have to be purchased separately and fitted in by the end user unless clearly specified during the order.

Ordering Code

IH	- -	- - -	- -

Type

MF	Male-Female
FF	Female-Female

Model

HBV	HBV line housing
DVF	DVF line housing

Size BSP

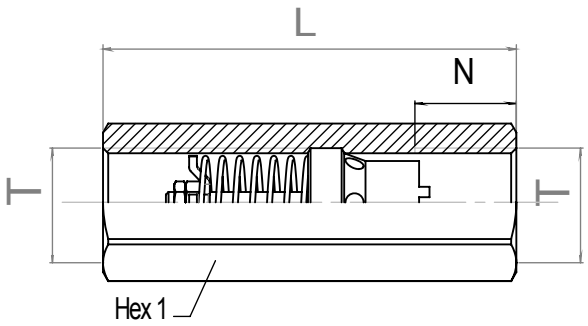
01	1/4
02	3/8
03	1/2
04	3/4
05	1

Ordering Code Example: IHFFHBV02 = Female/Female, 3/8 BSP housing for HBV valve.

Dimensions

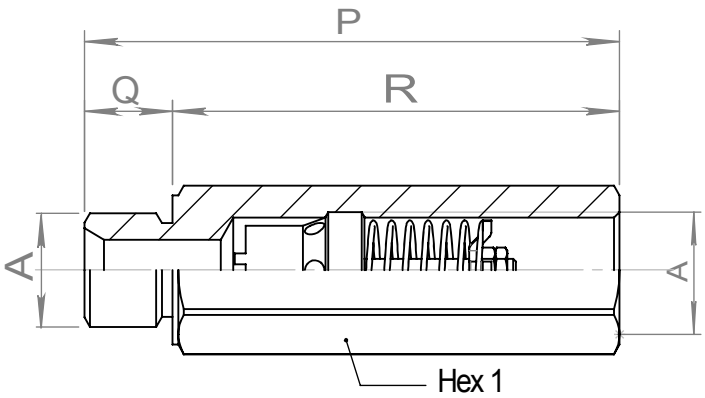
VRD

FEMALE-FEMALE LINE FITTING



Size	L	N	T BSP	Hex	Weight kg
01	66	15	1/4	19	0,11
02	70	16	3/8	25	0,12
03	80	19	1/2	28	0,20
04	100	23	3/4	35	0,29
05	125	23	1	41	0,67
06	145	30	1-1/4	50	1,04

MALE-FEMALE LINE FITTING



Size	R	P	Q	T BSP	Hex 1	Weight kg
01	68	78	10	1/4	19	0,11
02	70	82	12	3/8	25	0,14
03	80	96	16	1/2	28	0,24
04	80	106	26	3/4	35	0,34
05	110	135	25	1	41	0,75
06	125	135	30	1-1/4	50	1,09

Materials: Zinc plated steel.

WARNING: VRD have to be pourchased separately and ÿtted in by the end user unless clearly speciÿed during the order

Ordering Code

IH	- -	- - -	- -

Type

MF	Male-Female
FF	Female-Female

Model

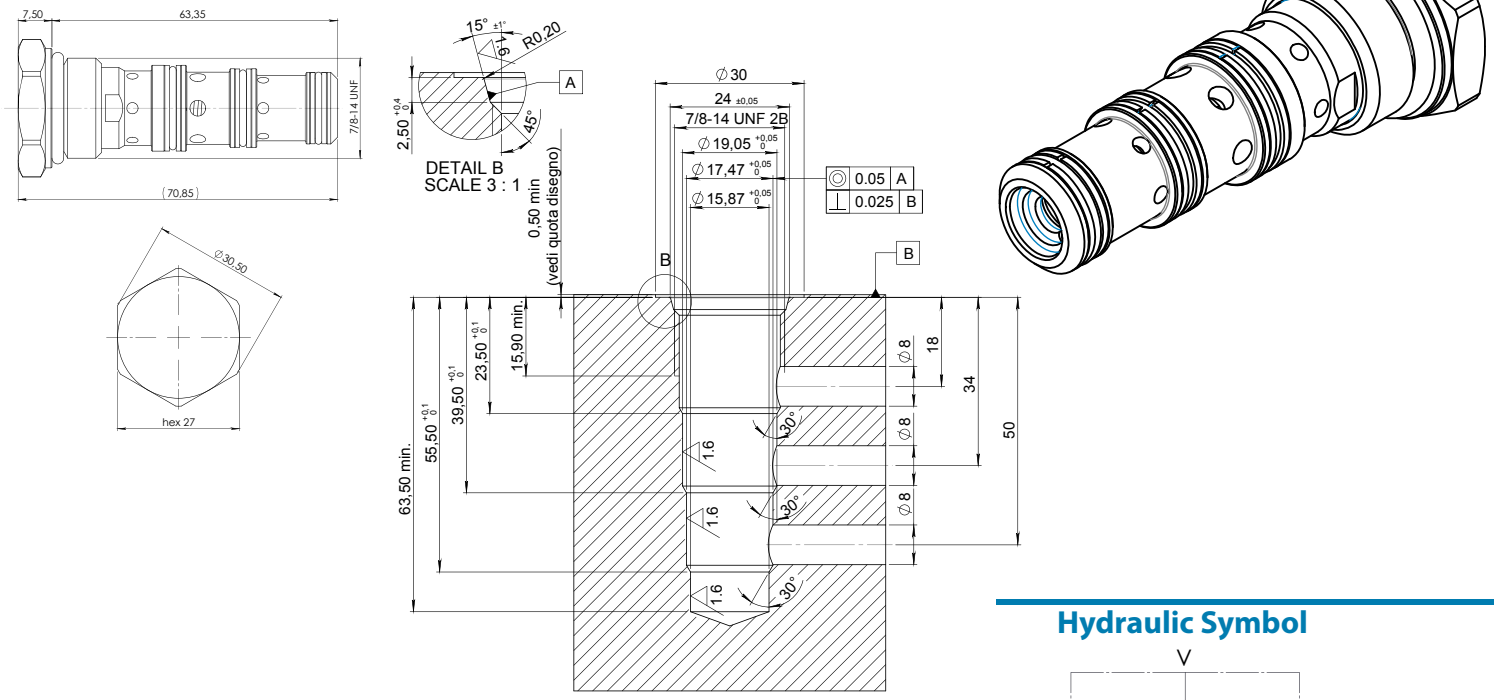
VRD	VRD line housing

Size BSP

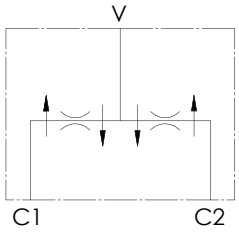
01	1/4
02	3/8
03	1/2
04	3/4
05	1
06	1 - 1/4

Ordering Code Example: IHFFVRD02 = Female/Female, 3/8 BSP housing for VRD valve.

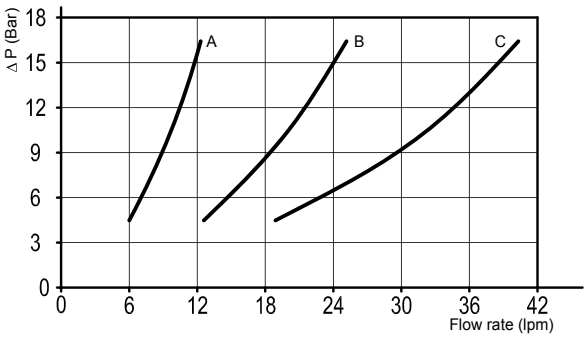
Dimensions



Hydraulic Symbol



Curves



Features

Max Flow Rate (lpm)	45
Max Pressure (bar)	350
Slippage (top portion flow curve)	± 3%
Flow Division Ratio	50% - 50%

Ordering Code

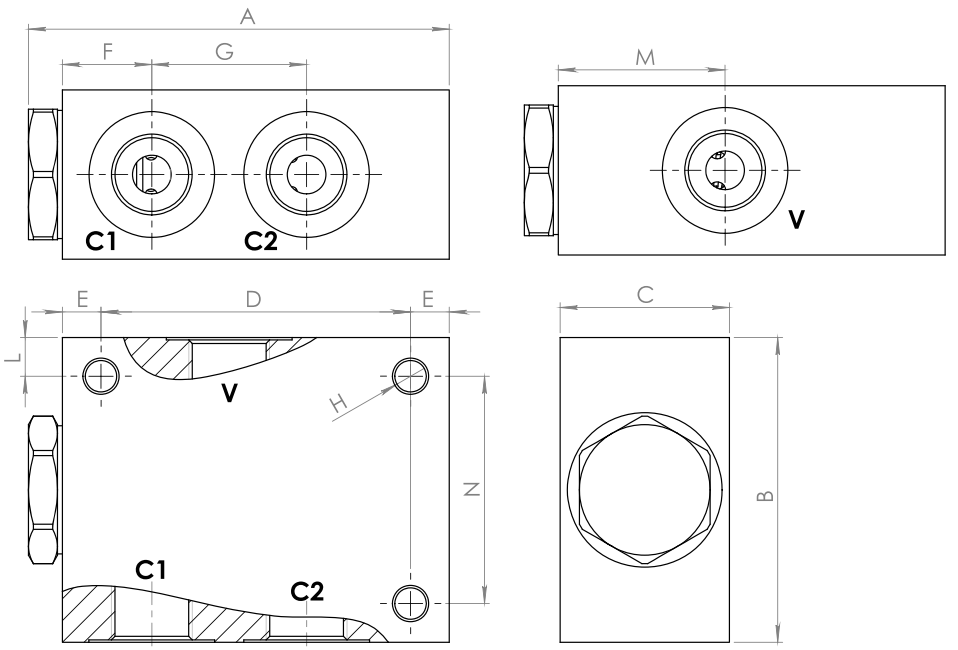
FDCS10	-

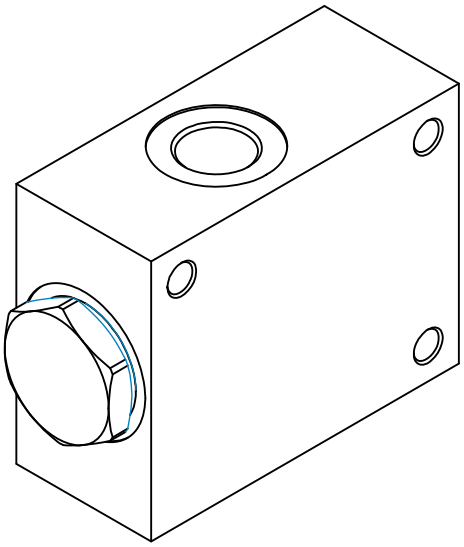
Inlet Capacity (lpm)

A	6 - 12
B	10 - 24,5
C	22 - 45

Ordering Code Example: FDCS10A - 6,5/12 lpm Inlet Range Capacity.

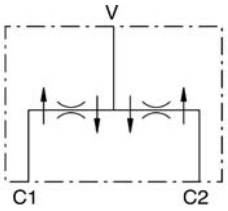
Dimensions



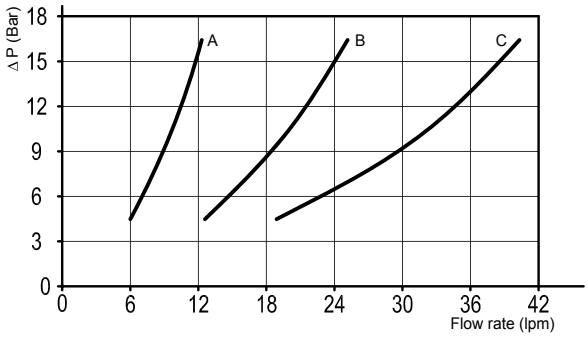


Size	C1 - C2 BSP	V BSP	A	B	C	D	E	F	G	H	L	M	N	Weight kg
02	3/8	3/8	87	63	35	64	8	18,5	32	6,5	8	34,5	47	0,52
25	3/8	1/2	87	63	35	64	8	18,5	32	6,5	8	34,5	47	0,51

Hydraulic Symbol



Curves



Features

Max Flow Rate (lpm)	45
Max Pressure (bar)	260
Slippage (top portion flow curve)	± 3%
Flow Division Ratio	50% - 50%

Materials: Aluminium manifold, hardened steel inner parts.

Ordering Code

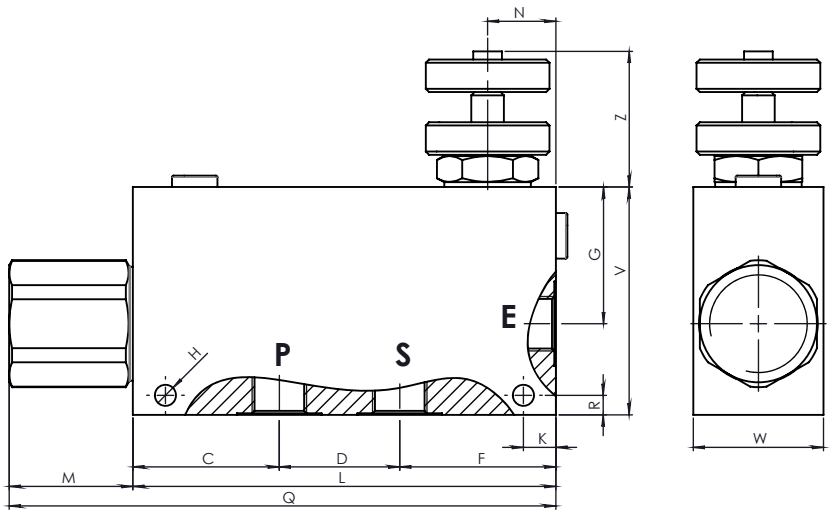
FDC	- -	-

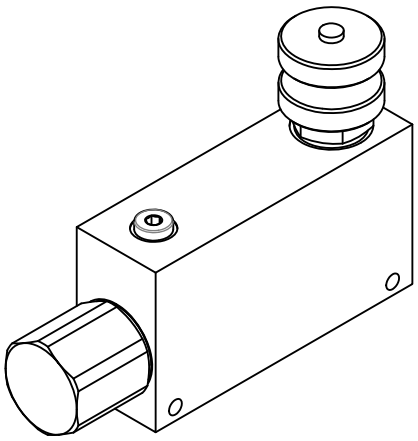
Port Size BSP		
02	3/8	3/8
25	1/2	3/8

Inlet Capacity (lpm)	
A	6 - 12
B	10 - 24,5
C	22 - 45

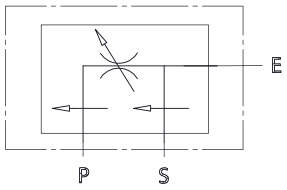
Ordering Code Example: **FDC25B** - 1/2 - 3/8 BSP Ported Manifold, 13/23 lpm Inlet Range Capacity.

Dimensions





Hydraulic Symbol

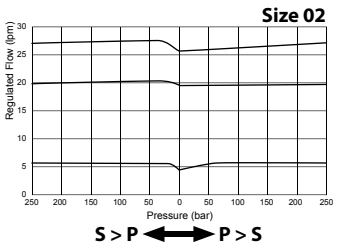


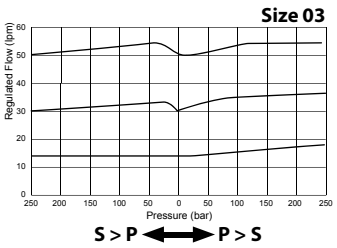
Size	E-P-S BSP	C	D	F	G	H	K	L	M	N	R	Q	V	W	Z	Weight kg
02	3/8	48	37	45	42	8,5	10	130	38	21	6	172	70	40	42max	1,37
03	1/2	48	37	45	42	8,5	10	130	38	21	6	172	70	40	42max	1,37
04	3/4	57	44	54	55	8,5	10	155	35	25	7	190	90	50	45max	2,44
05	1	55	50	50	58	8,5	10	155	35	25	7	190	100	50	45max	2,54

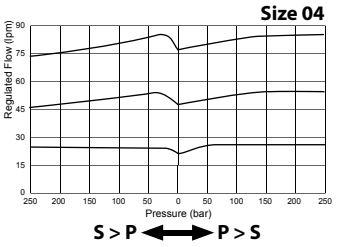
Features

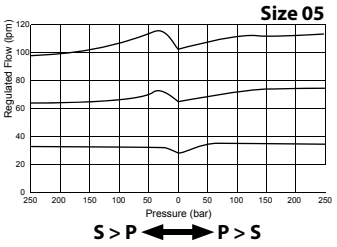
Size	02	03	04	05
Max Pressure (bar)	260	260	260	260
Max Inlet Flow (lpm)	50	85	150	190
Max Adjustment Flow (lpm)	40	60	90	120

Curves









Materials: Aluminium body, hardened steel inner parts.

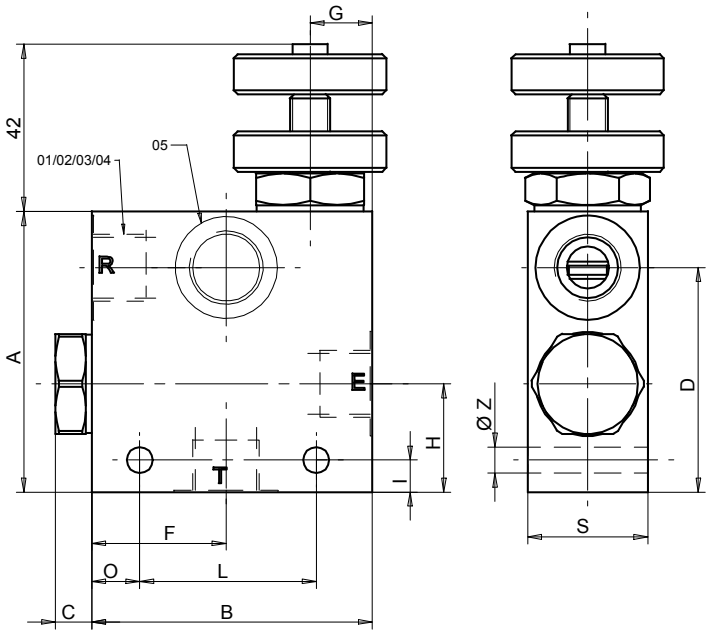
Ordering Code

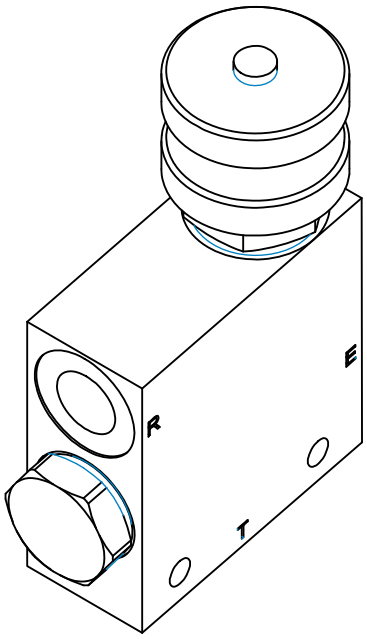
PVEL	- -

	Size BSP
02	3/8
03	1/2
04	3/4
05	1

Ordering Code Example: PVEL03 = 1/2 BSP.

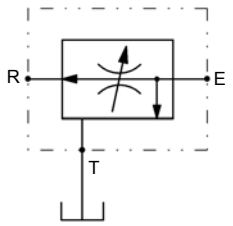
Dimensions





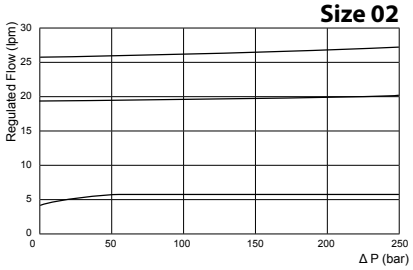
Size	E-R-T	A	B	C	D	F	G	H	I	L	0	S	Z
02	3/8	70	70	9	56	33,5	15,5	27	8	44	12	30	6,5
03	1/2	90	90	24	72	39	20	30	6	64	13	40	6,5
04	3/4	110	110	24	87	44	30	35	7	88	10	50	8,5
05	1	110	110	37,5	87	45	28	46	10	88	10	50	8,5

Hydraulic Symbol

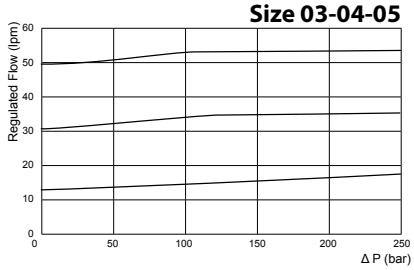


Curves

Size 02



Size 03-04-05



Features

Size	02	03	04	05
Max Pressure (bar)	210			
Ports E-R-T	G 3/8	G 1/2	G 3/4	1"
QE max (lpm)	40	90	150	280
QR max (lpm)	25	55	90	190

Materials: Aluminium body, hardened steel inner parts.

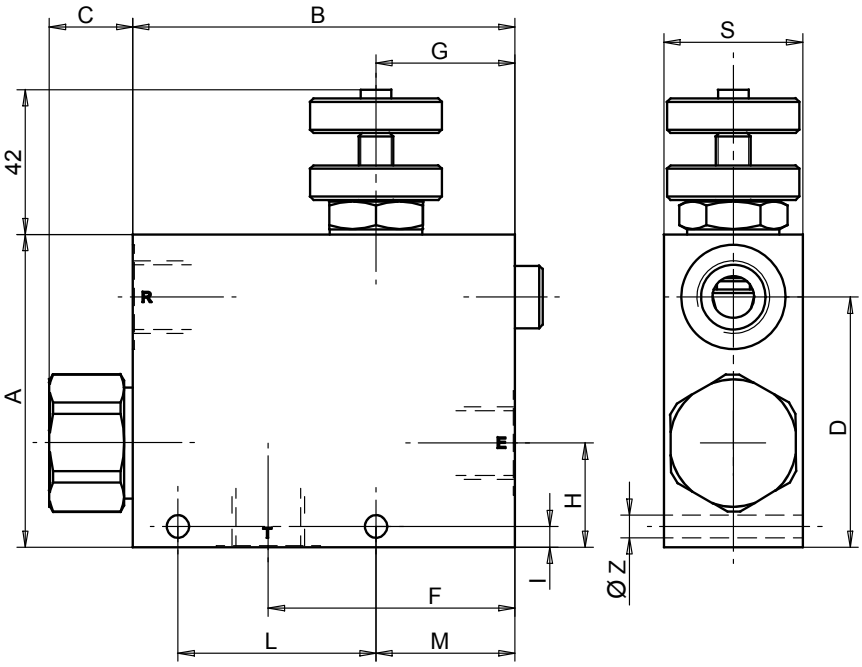
Ordering Code

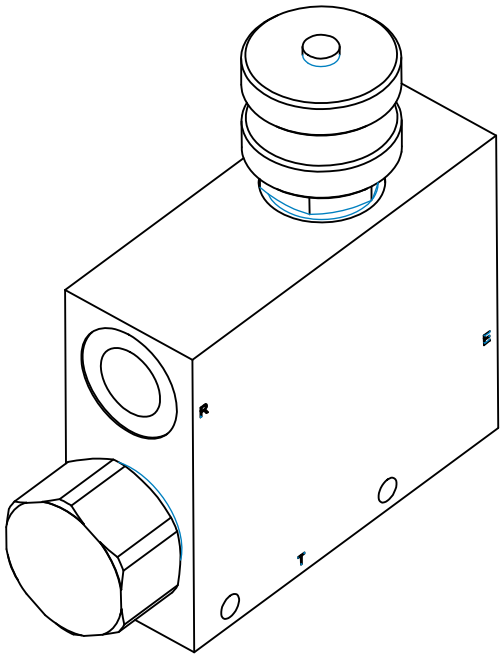
PVET	- -

	Size BSP
02	3/8
03	1/2
04	3/4
05	1"

Ordering Code Example: PVET03 = 1/2 BSP.

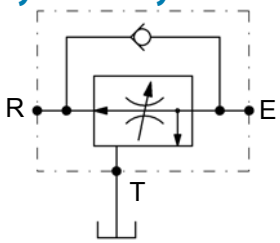
Dimensions





Size	A	B	C	D	F	G	H	I	L	M	S	Z
02	90	110	24	72	71	40	30	6	57	40	40	6,5
03	90	110	24	72	71	40	30	6	57	40	40	6,5
04	110	130	24	87	86	50	35	7	70	50	50	8,5

Hydraulic Symbol



Features

Size	02	03	04
Max Pressure (bar)	210		
Ports E-R	G 3/8	G 1/2	G 3/4
QE max (lpm)	55	90	150
QR max (lpm)	30	90	150

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

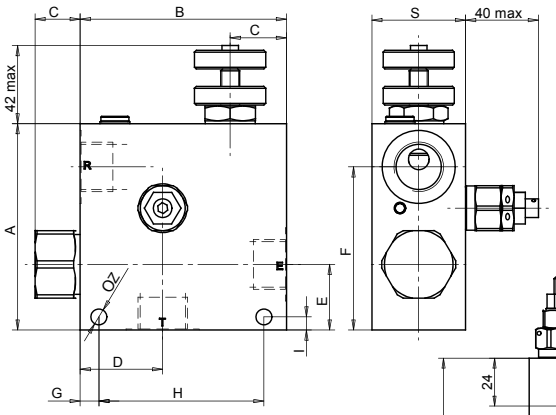
Ordering Code

PVETR	- -

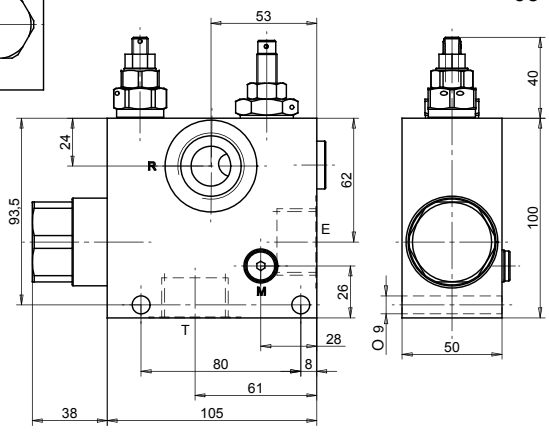
	Size BSP
02	3/8
03	1/2
04	3/4

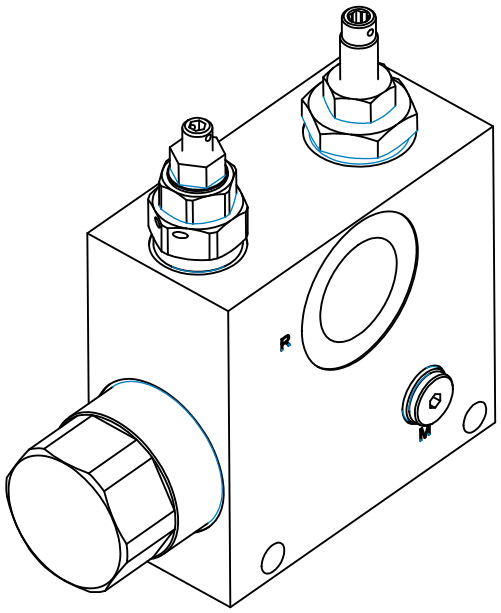
Ordering Code Example: PVETR03 - 1/2" BSP Ports.

Dimensions



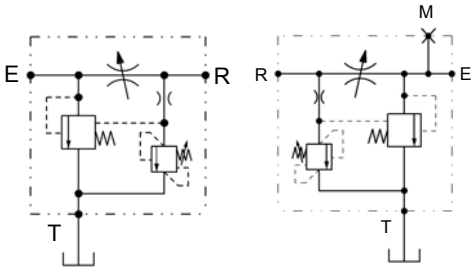
02-03-04





Size	A	B	C	D	E	F	G	H	I	S	Z
02	90	90	20	39	30	72	13	64	6	40	6,5
03	90	90	20	39	30	72	13	64	6	40	6,5
04	110	110	30	44	35	87	10	88	7	50	8,5
05	Refer to dimensioned drawing above										

Hydraulic Symbol



Features

Size	02	03	04	05
Max Pressure (bar)	210 Alum	210 Alum	210 Alum	350 Steel
QE max (lpm)	55	90	150	280
QR max (lpm)	30	55	90	190
Ports	E-R-T: G1 / M:G 1/8			

Materials: **02-03-04:** Aluminium manifold, **05:** Zinc plated steel manifold; hardened steel inner parts.

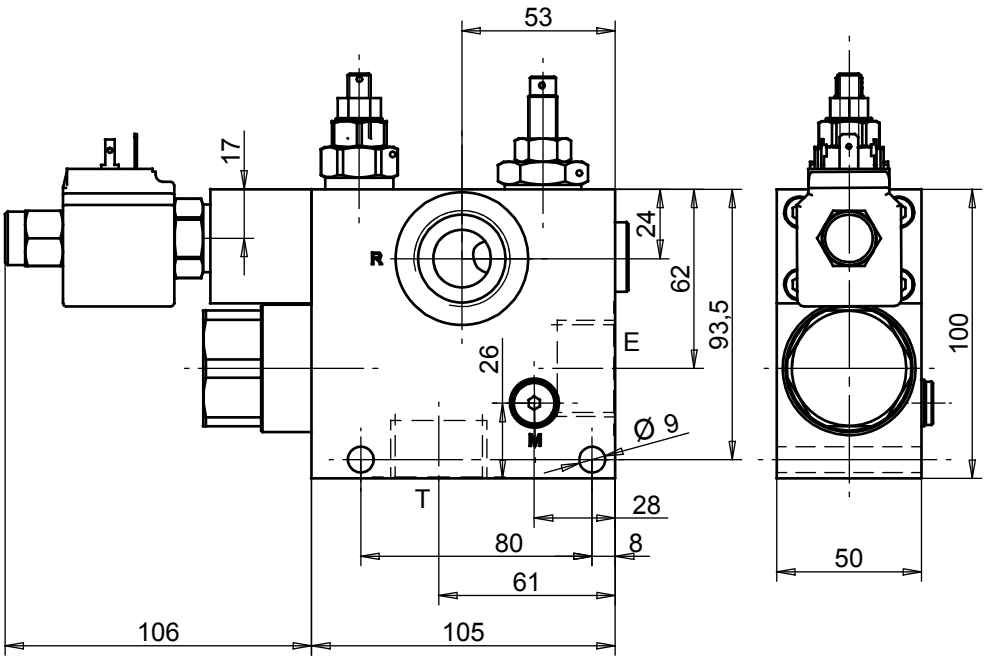
Ordering Code

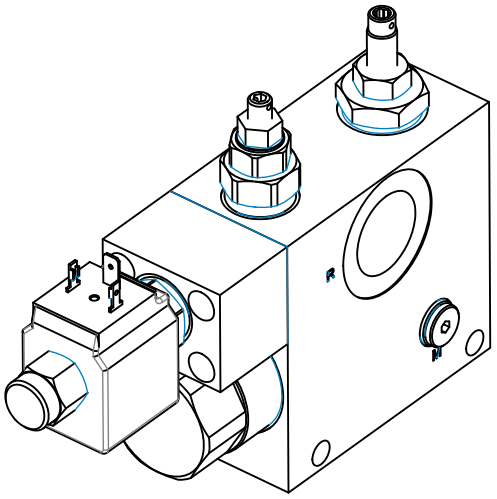
PVETP	- -

	Size BSP
02	3/8
03	1/2
04	3/4
05	1

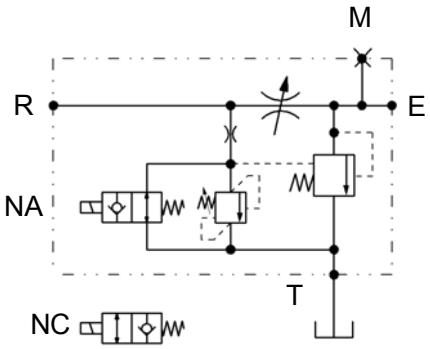
Ordering Code Example: **PVETP04** - 3/4" BSP Ports.

Dimensions





Hydraulic Symbol



Features

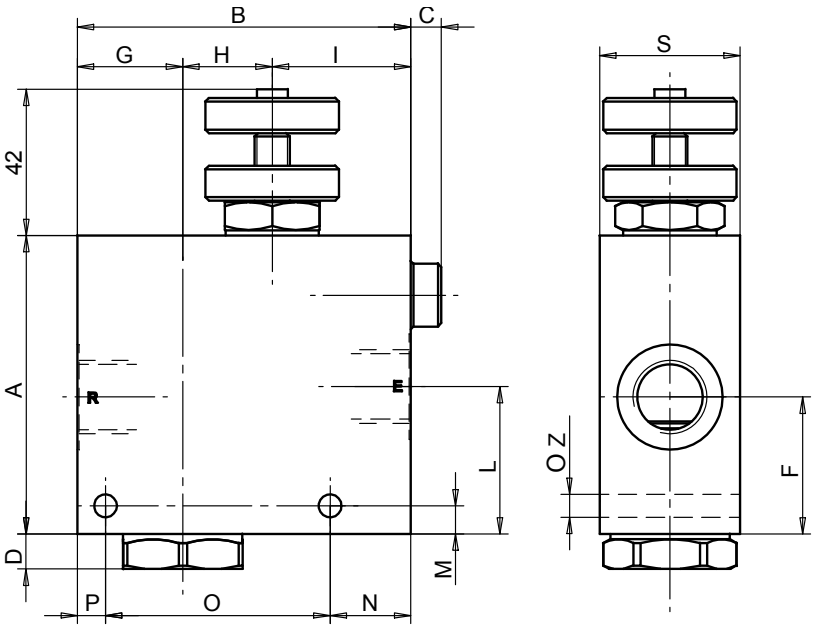
Max Pressure (bar)	350
QE max (lpm)	280
QR max (lpm)	190
Ports	E-R-T: G 1 M: G 1/8

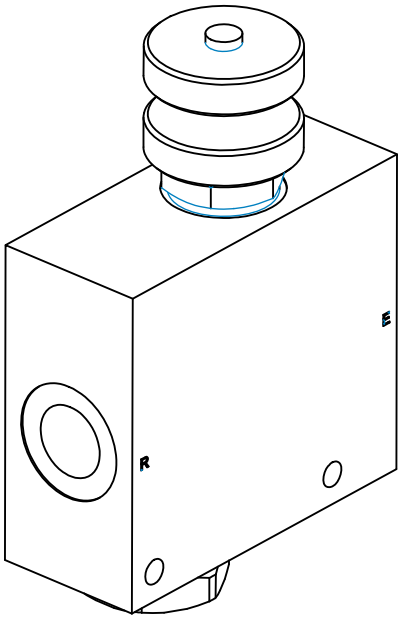
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

PVETPE 05

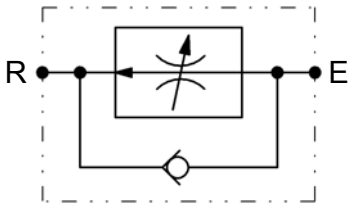
Dimensions





Size	A	B	C	D	F	G	H	I	L	M	N	O	P	S	Z
03	85	95	9,5	10	39	30	26	39	42	8	23	64	8	40	6,5
04	100	130	15,5	10	44	35	40	55	46	10	40	82	8	50	8,5

Hydraulic Symbol



Curves

Features

Size	03	04
Max Pressure (bar)	210	
Ports E-R	G 1/2	G 3/4
QE max (lpm)	55	90

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

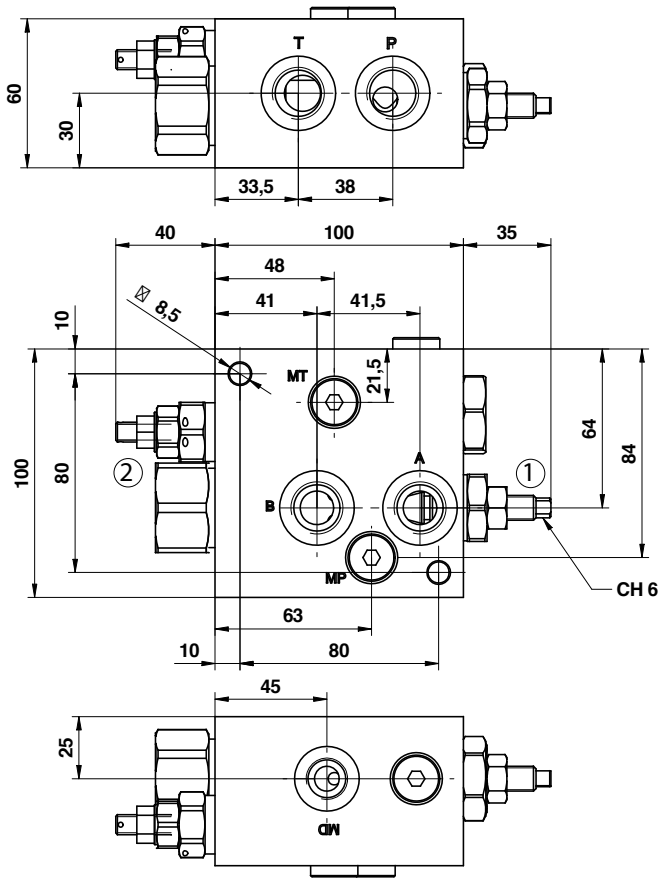
Ordering Code

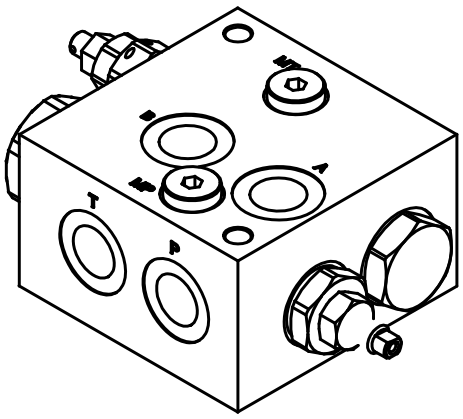
PVEDR	- -

	Size BSP
03	1/2
04	3/4

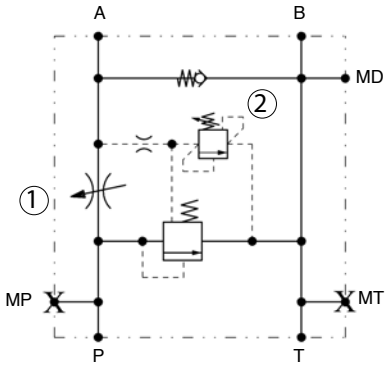
Ordering Code Example: PVEDR03 - 1/2" BSP Ports.

Dimensions





Hydraulic Symbol



Curves

Features

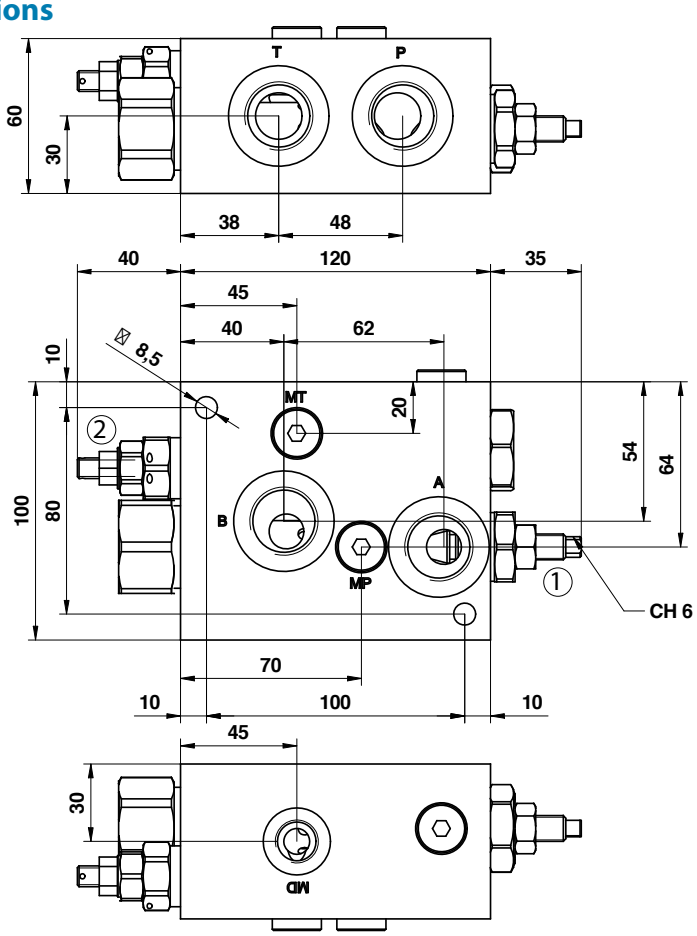
Max Flow	60 lpm
Max Pressure	250 bar
Port Sizes	A - B: G 1/2 P - T: G 1/2 MP - MT: G 1/4 MD: G 3/8

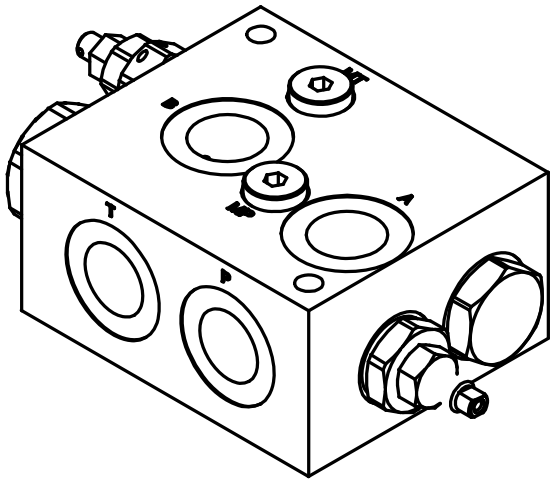
Materials: Aluminium manifold.

Ordering Code

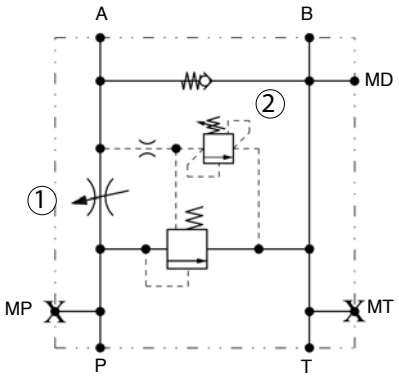
PVETPAC03

Dimensions





Hydraulic Symbol



Curves

Features

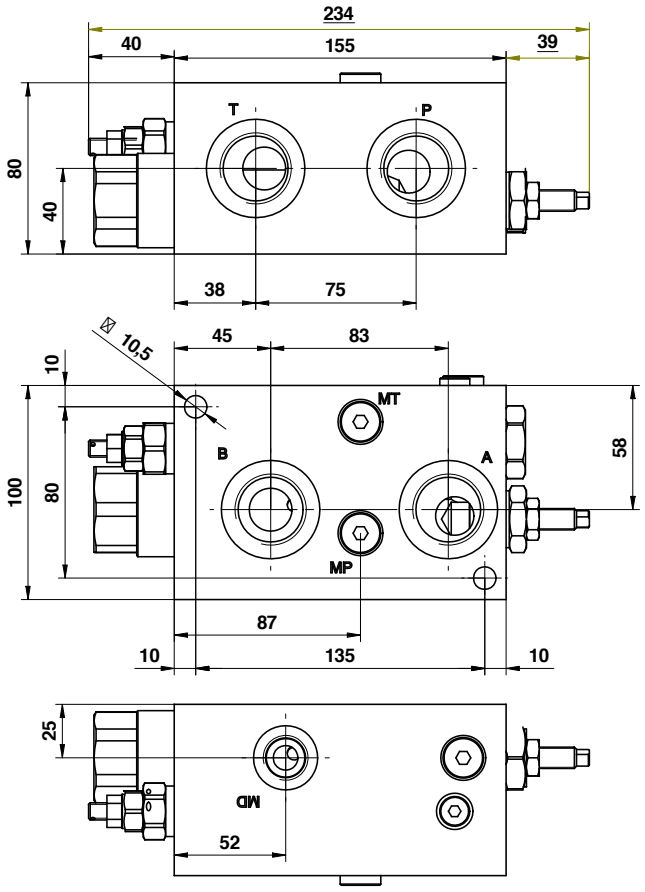
Max Flow	120 lpm
Max Pressure	250 bar
Port Sizes	A - B: G 3/4 P - T: G 3/4 MP - MT: G 1/4 MD: G 3/8

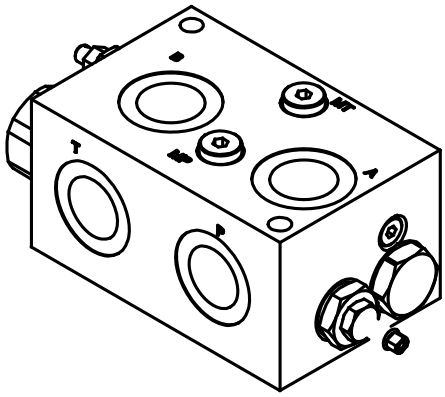
Materials: Aluminium manifold.

Ordering Code

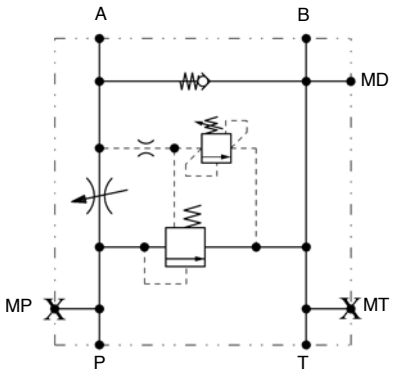
PVETPAC04

Dimensions





Hydraulic Symbol



Curves

Features

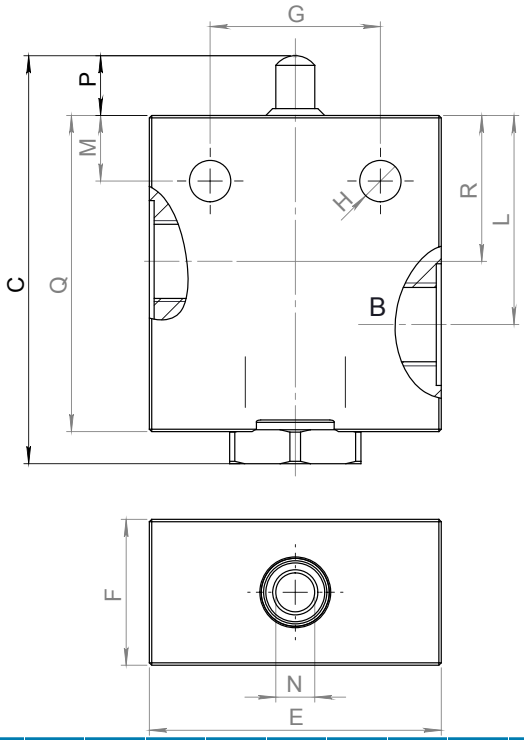
Max Flow	280 lpm
Max Pressure	350 bar
Port Sizes	A - B: G 1 P - T: G 1 MP - MT: G 1/4 MD: G 3/8

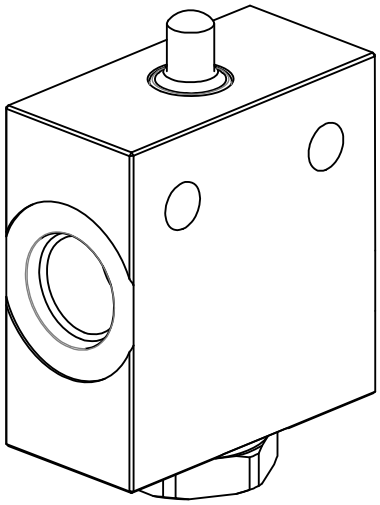
Materials: Zinc. plated steel manifold

Ordering Code

PVETPACS05

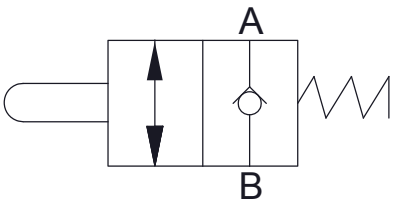
Dimensions



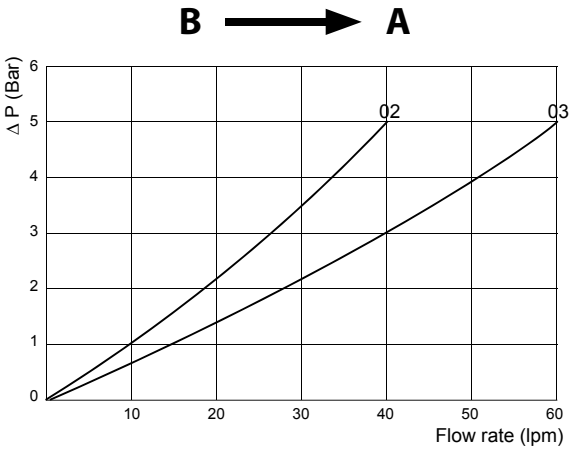


Size	C	D BSP	E	F	G	H	L	M	N	P	Q	R	Hex	Weight kg
02	83,9	3/8	60	30	35	8,5	43	13,5	8	12,3	63	30	27	0,80
03	96	1/2	70	35	40	8,5	51	13,5	12	12,3	75	37	32	1,28

Hydraulic Symbol



Curves



Features

Size	02	03
Max Pressure (bar)	350	350
Max Flow Rate (lpm)	30	60
Stroke (mm)	10	12
Spring Bias (Nm)	20	20

Materials: Zinc plated steel body, hardened steel inner parts.

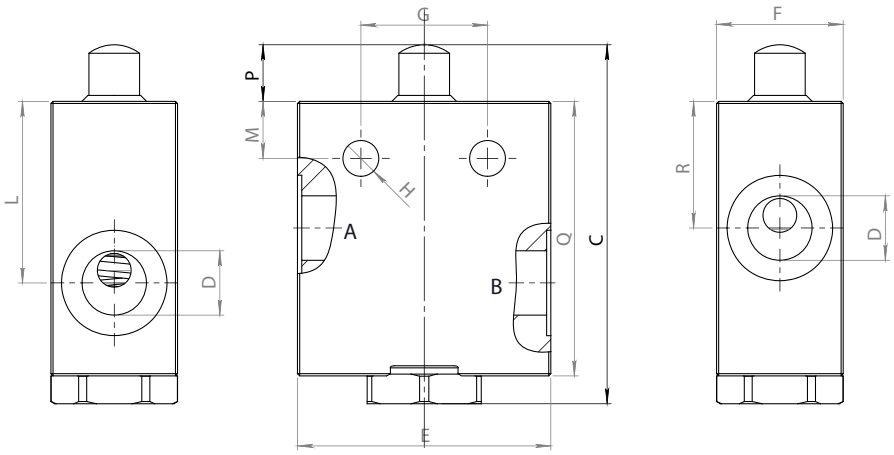
Ordering Code

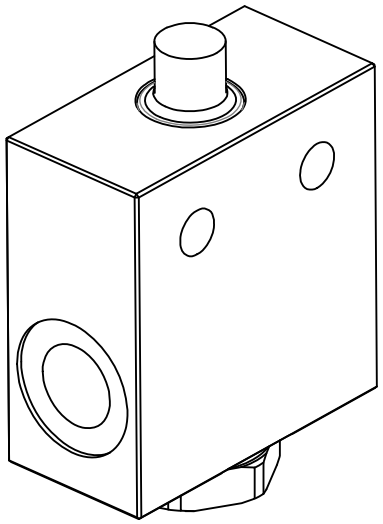
ESCS	- -

	Size BSP
02	3/8
03	1/2

Ordering Code Example: **ESCS02** = 3/8 BSP.

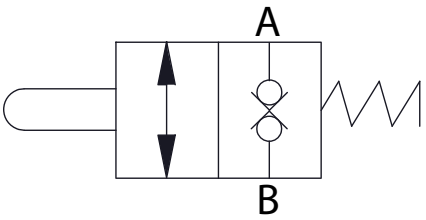
Dimensions





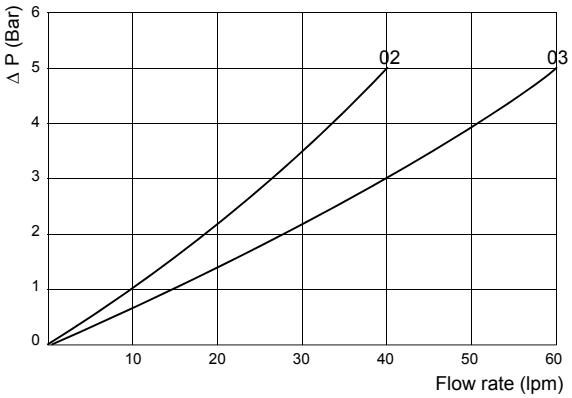
Size	C	D BSP	E	F	G	H	L	M	N	P	Q	R	Hex	Weight kg
02	85	3/8	60	30	35	8,5	43	13,5	12	11,5	65	30	27	0,81
03	97	1/2	70	35	40	8,5	51	13,5	16	13,3	75	37	32	1,28

Hydraulic Symbol



Curves

B ⟷ **A**



Features

Size	02	03
Max Pressure (bar)	350	350
Max Flow Rate (lpm)	30	60
Stroke (mm)	10	12
Spring Bias (N)	50	68

Materials: Zinc plated steel body, hardened steel inner parts.

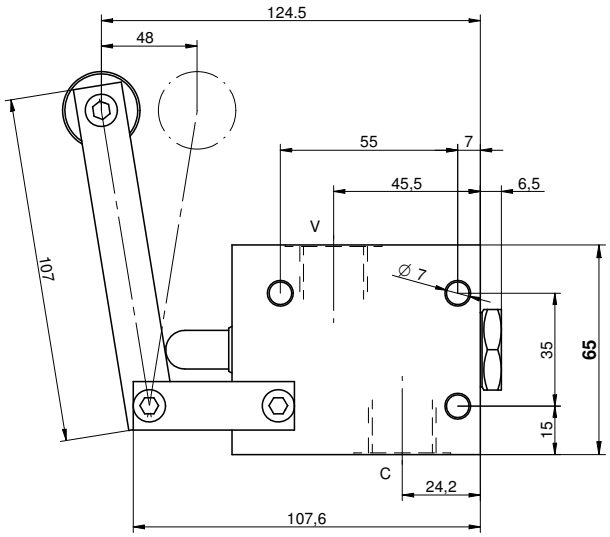
Ordering Code

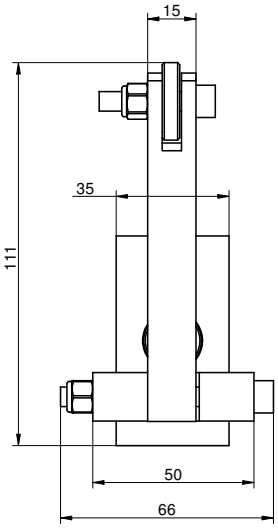
ESCD	- -

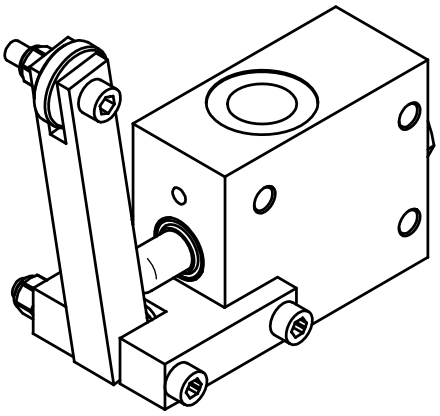
	Size BSP
02	3/8
03	1/2

Ordering Code Example: ESCD02 = 3/8 BSP.

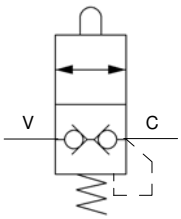
Dimensions





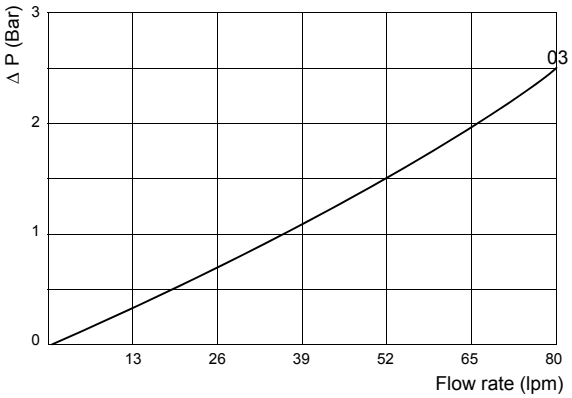


Hydraulic Symbol



Curves

V ⟷ C



Features

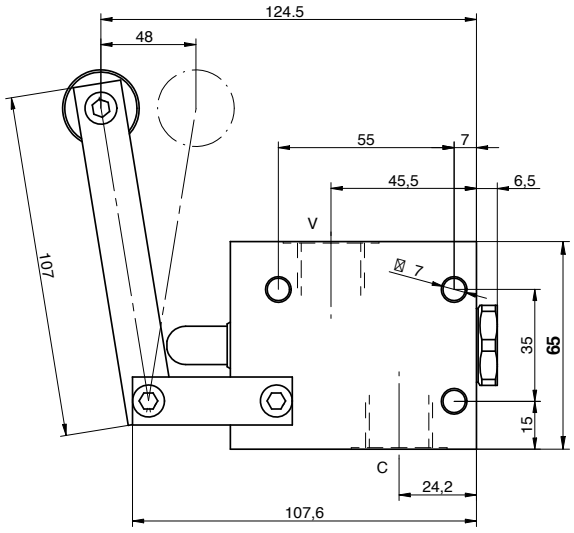
Max Flow	80 lpm
Max Pressure	400 bar
Port Sizes	V - C: G 1/2

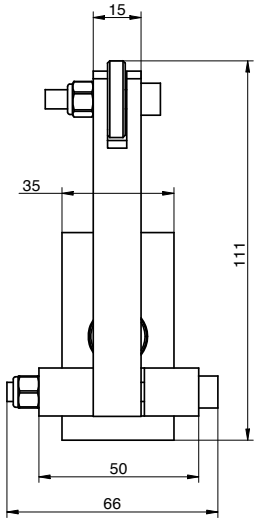
Materials: Zinc plated steel body

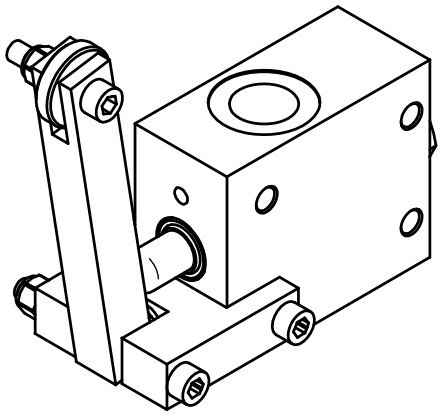
Ordering Code

ESCDCM03

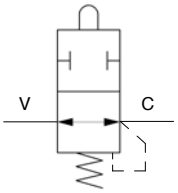
Dimensions





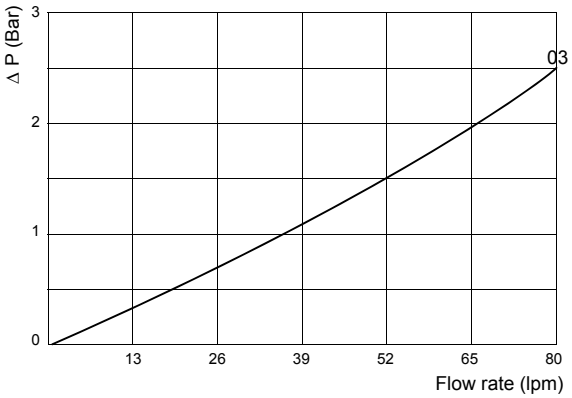


Hydraulic Symbol



Curves

V ⟷ C



Features

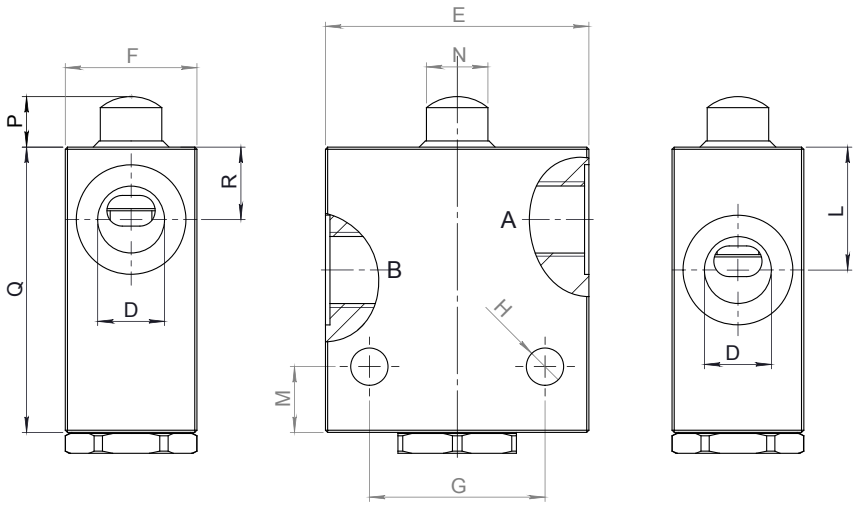
Max Flow	80 lpm
Max Pressure	400 bar
Port Sizes	V - C: G 1/2

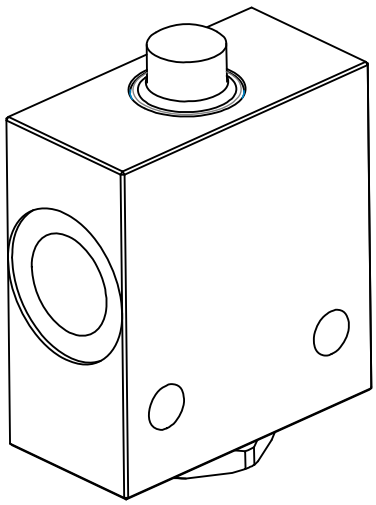
Materials: Zinc plated steel body

Ordering Code

ESOPCM03

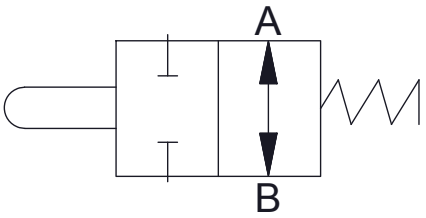
Dimensions





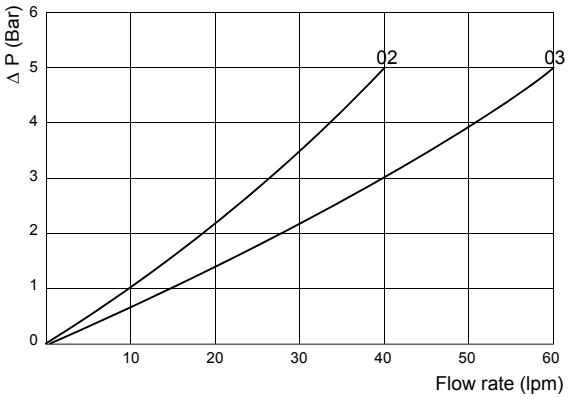
Size	C	D BSP	E	F	G	H	L	M	N	P	Q	R	Weight kg
02	81,25	3/8	60	30	40	8,5	28	15	14	11,5	65	16,5	0,78
03	81,25	1/2	60	30	40	8,5	28	15	14	11,5	65	16,5	0,81

Hydraulic Symbol



Curves

B ⟷ **A**



Features

Size	02	03
Max Pressure (bar)	350	350
Max Flow Rate (lpm)	30	60
Stroke (mm)	6	6
Spring Bias (N)	100	100

Materials: Zinc plated steel body, hardened steel inner parts.

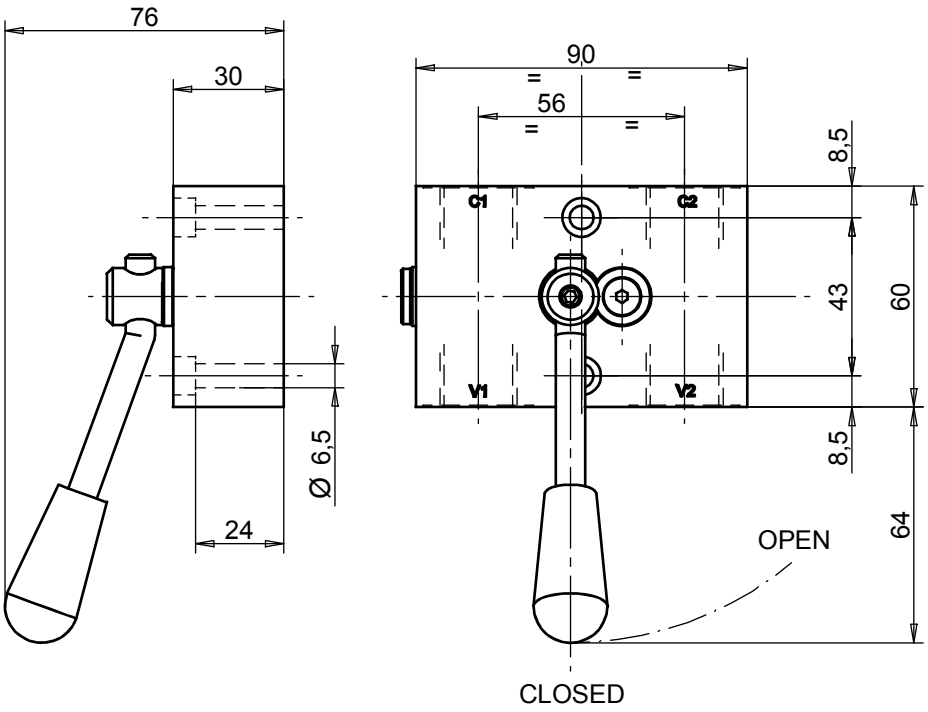
Ordering Code

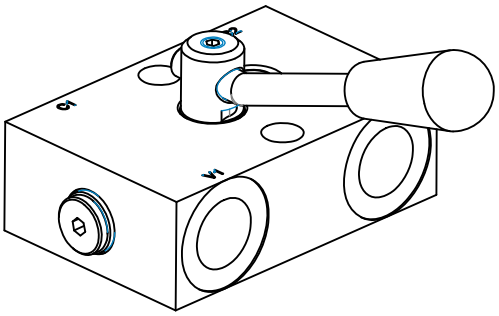
ESOP	- -

	Size BSP
02	3/8
03	1/2

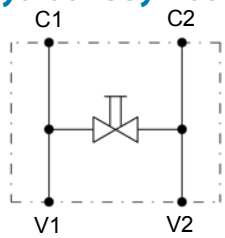
Ordering Code Example: ESOP02 = 3/8 BSP.

Dimensions





Hydraulic Symbol



Features

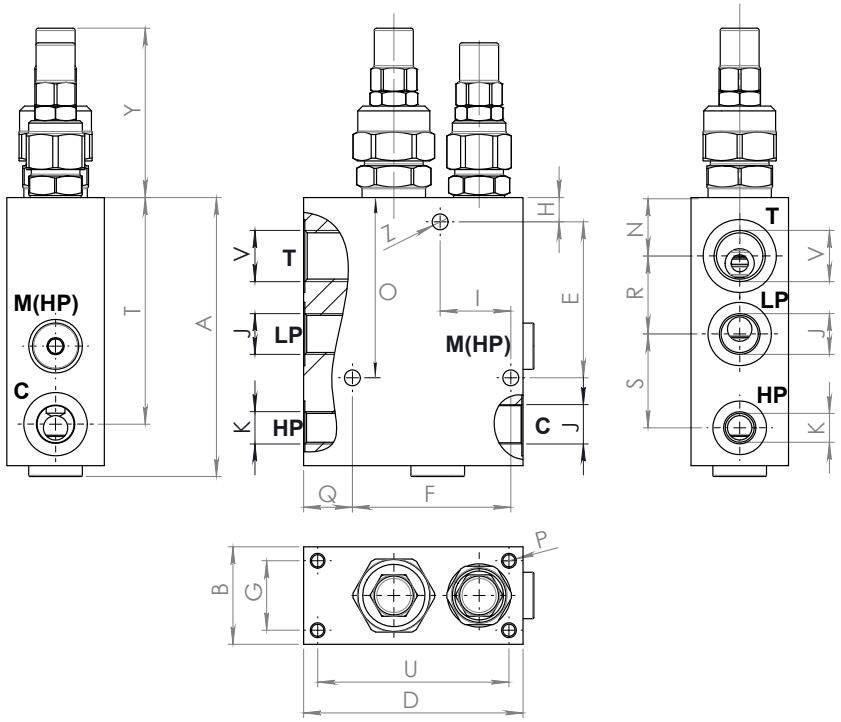
Max Pressure (bar)	210
Max Flow (lpm)	35
Ports (bsp)	1/2

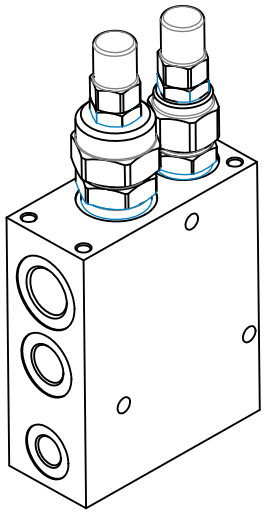
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

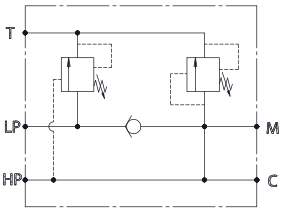
VDF 03

Dimensions



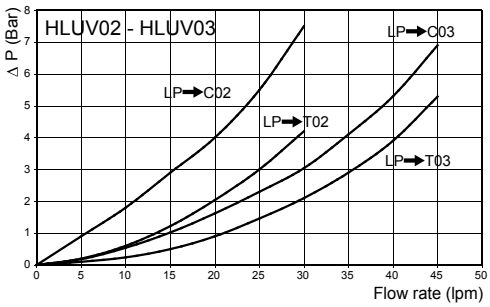


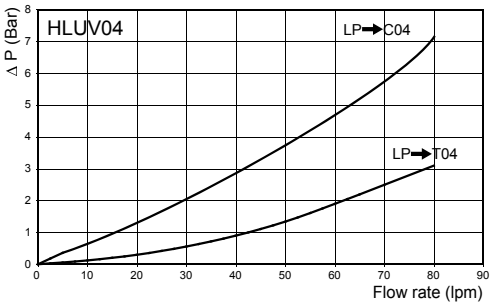
Hydraulic Symbol



Size	A	B	D	E	F	G	H	I	J BSP	K BSP	V BSP	N	O	P	Q	R	S	T	U	Y	Z	Weight kg
02	110	40	90	64	65	28,5	10	29	3/8	1/4	1/2	22	74	M6	20	36	36	94,5	78,5	69,5	6,5	2,42
03	110	40	90	64	65	28,5	10	29	1/2	3/8	3/4	22	74	M6	20	36	36	94,5	78,5	69,5	6,5	2,10
04	125	50	110	65	80	38	10	37	3/4	1/2	1	22	85	M6	25	43	40	101	98	72	6,5	5,15

Curves





Features

SIZE	02	03	04
Max Pressure (bar)	350	350	350
Max Flow Rate LP C (lpm)	30	45	80

Materials: Zinc plated steel cartridge, hardened steel inner parts. Steel manifold.

Ordering Code

HLUV	- -	- -	- -

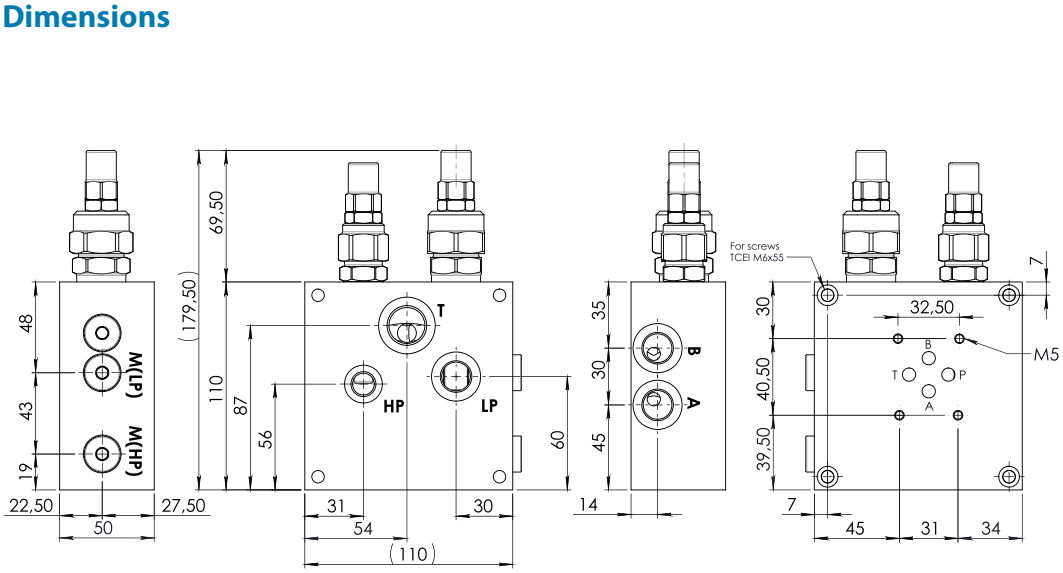
Port Size BSP	
02	3/8
03	1/2
04	3/4

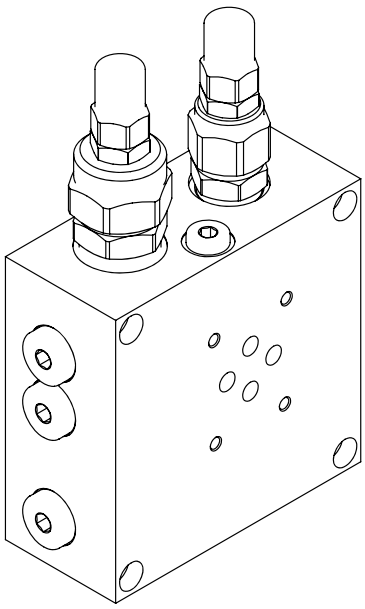
LP - Spring (bar)			
	02	03	04
10	5-50	5-50	5-120
20	20-260	20-260	50-350

HP - Spring (bar)			
	02	03	04
20	40-210	40-210	20-260
30	100-350	100-350	120-350

Ordering Code Example: HLUV032030 = Hi-Low 1/2 BSP, LP valve 20-260 bar, HP valve 100-350 bar.

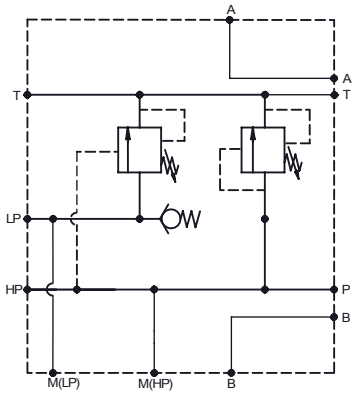
Dimensions



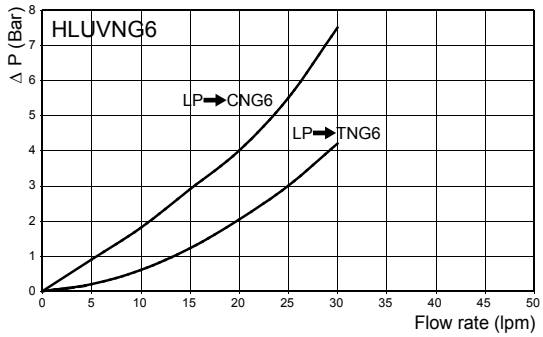


HP BSP	LP BSP	T BSP	A BSP	B BSP	M(HP) BSP	M(LP) BSP
1/4	3/8	1/2	3/8	3/8	1/4	1/4

Hydraulic Symbol



Curves



Features

Max Flow Rate LP⟶C (lpm)	30

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

HLUV NG6	- -	- -

LP - Spring (bar)

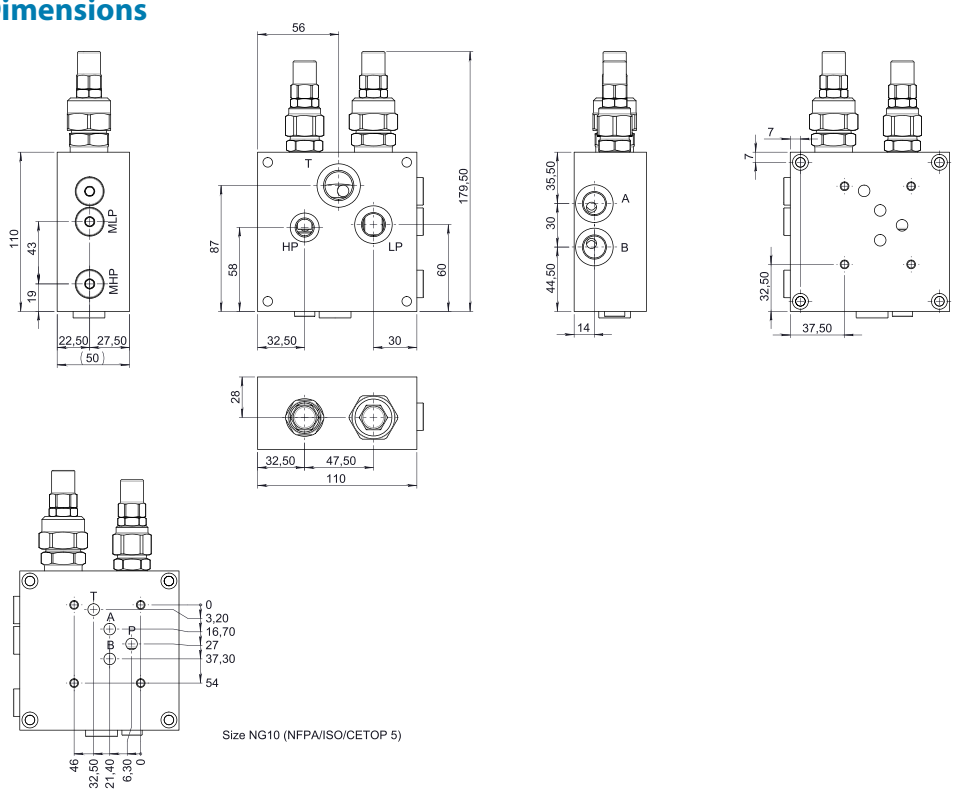
10	5-50
20	20-260

HP - Spring (bar)

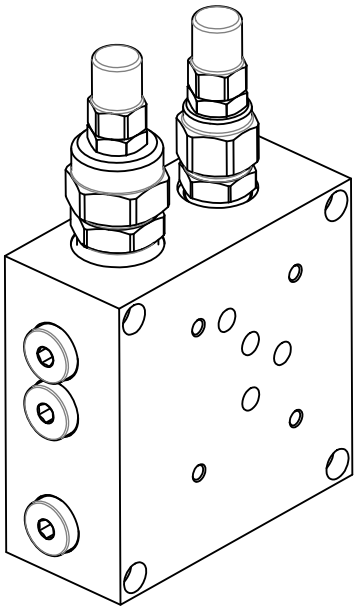
20	40-210
30	100-350

Ordering Code Example: HLUVNG62030 = Hi-Low 1/2 BSP - LP valve 20-260 bar, HP valve 100-350 bar.

Dimensions

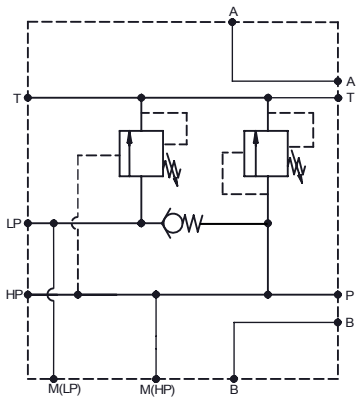


Size NG10 (NFPA/ISO/CETOP 5)

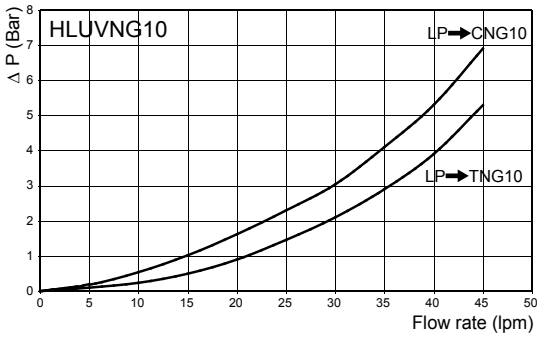


HP BSP	LP BSP	T BSP	A BSP	B BSP	M(HP) BSP	M(LP) BSP
1/4	3/8	1/2	3/8	3/8	1/4	1/4

Hydraulic Symbol



Curves



Features

Max Flow Rate LP⟶C (lpm)	45

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

HLUV NG10	- -	- -

LP - Spring (bar)

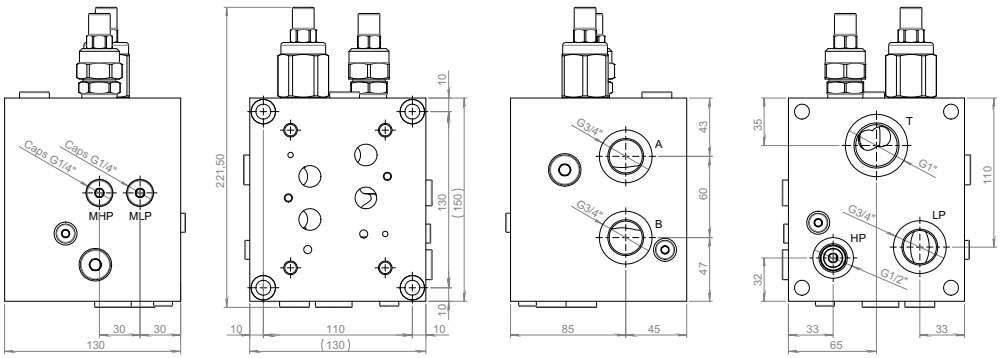
10	5-50
20	20-260

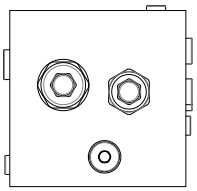
HP - Spring (bar)

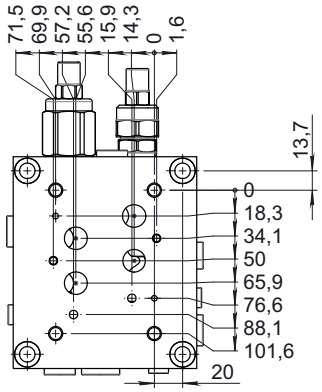
20	40-210
30	100-350

Ordering Code Example: HLUVNG102030 = Hi-Low 1/2 BSP - LP valve 20-260 bar, HP valve 100-350 bar.

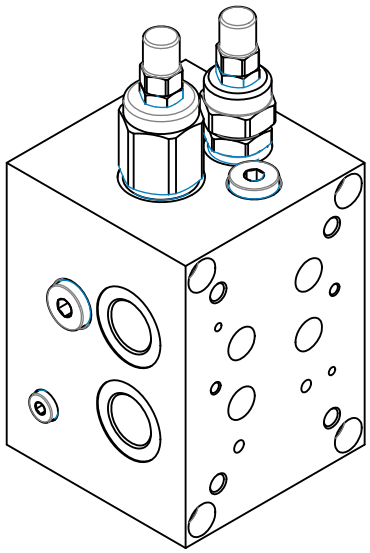
Dimensions





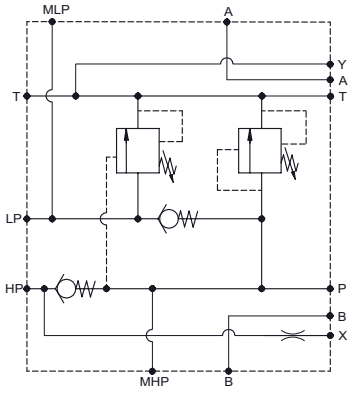


Size NG16 (NFPA/ISO/CETOP 7)

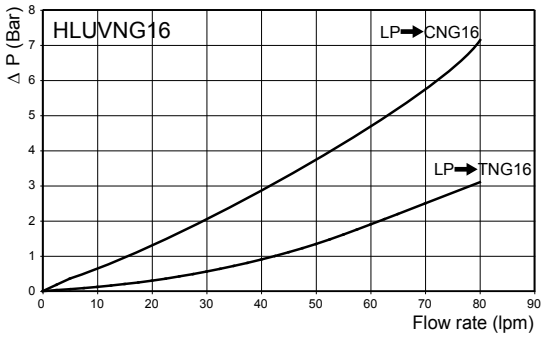


HP BSP	LP BSP	T BSP	A BSP	B BSP	M(HP) BSP	X	Y
1/2	3/4	1	3/4	3/4	1/4	1/4	1/4

Hydraulic Symbol



Curves



Features

Max Flow Rate LP⟶C (lpm)	80

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

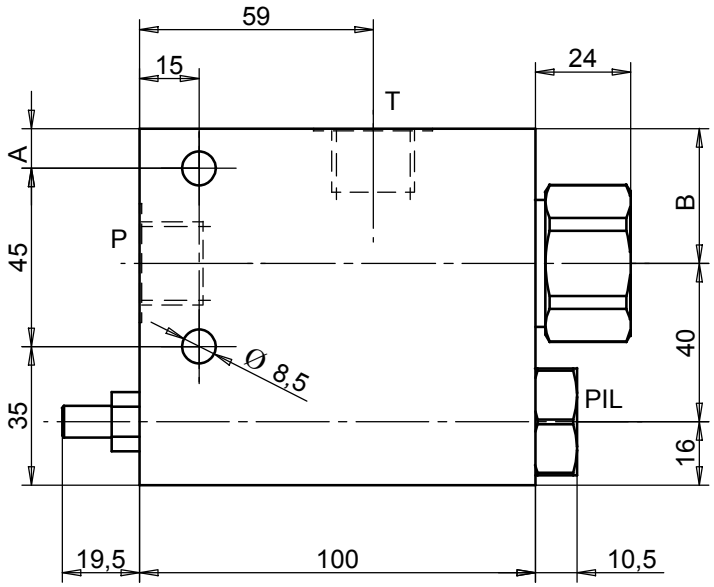
HLUV NG16	- -	- -

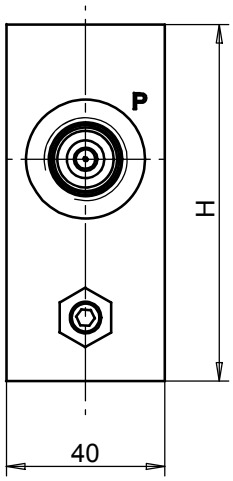
LP - Spring (bar)	
10	5-120
20	50-350

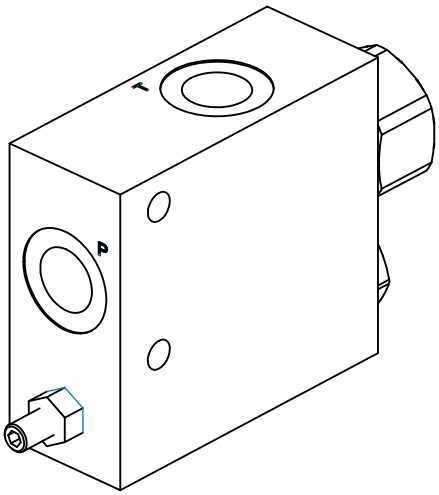
HP - Spring (bar)	
20	20-260
30	120-350

Ordering Code Example: **HLUVNG162030** = Hi-Low 1/2 BSP - LP valve 50-350 bar, HP valve 120-350 bar.

Dimensions

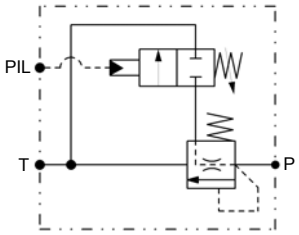




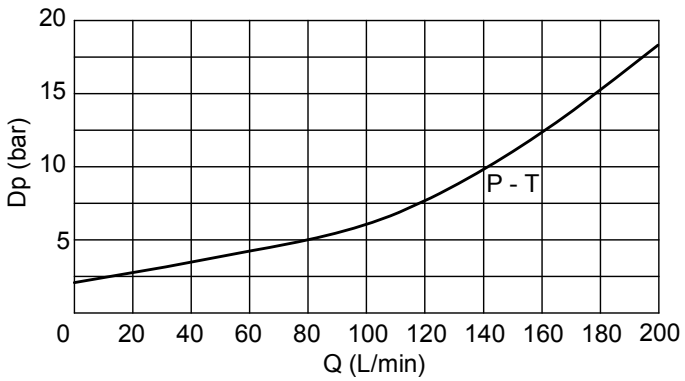


Size	A	B	H	P-T bsp	PIL bsp
03	10	34	90	1/2	1/4
04	25	49	105	3/4	1/4

Hydraulic Symbol



Curves



Features

Max Pressure	250 bar
Std. Pressure range	100 - 300 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

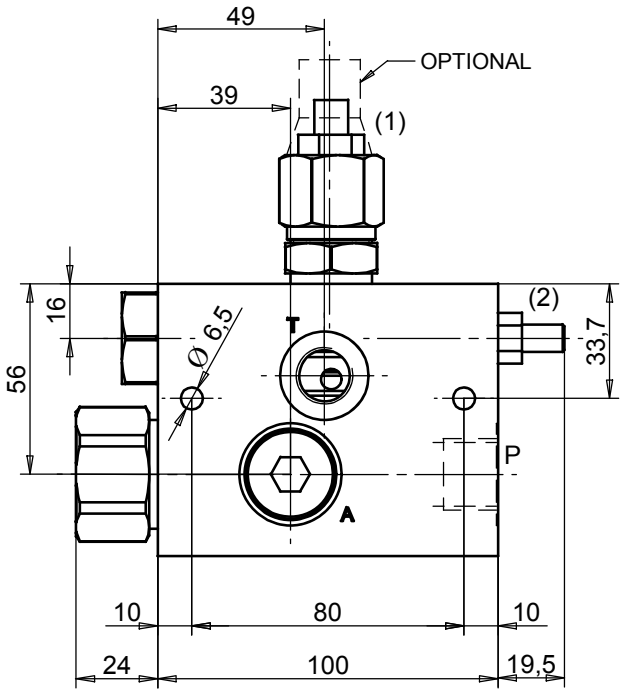
Ordering Code

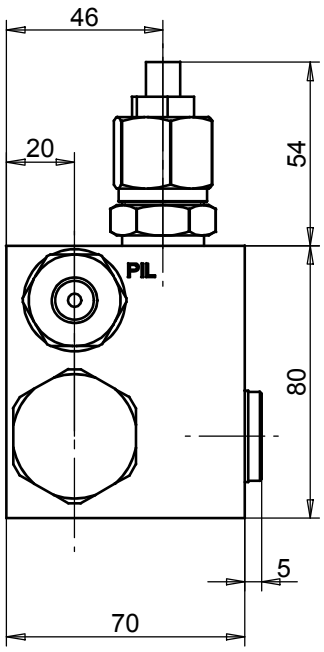
VMSIP	- -

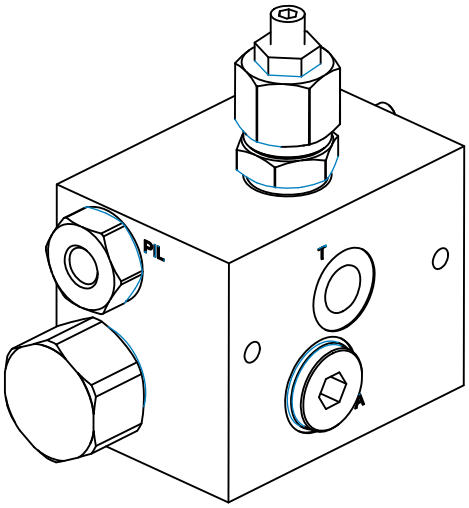
	Port Size BSP
03	1/2
04	3/4

Ordering Code Example: VMSIP03 = 1/2" BSP Ports.

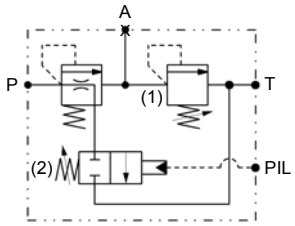
Dimensions







Hydraulic Symbol



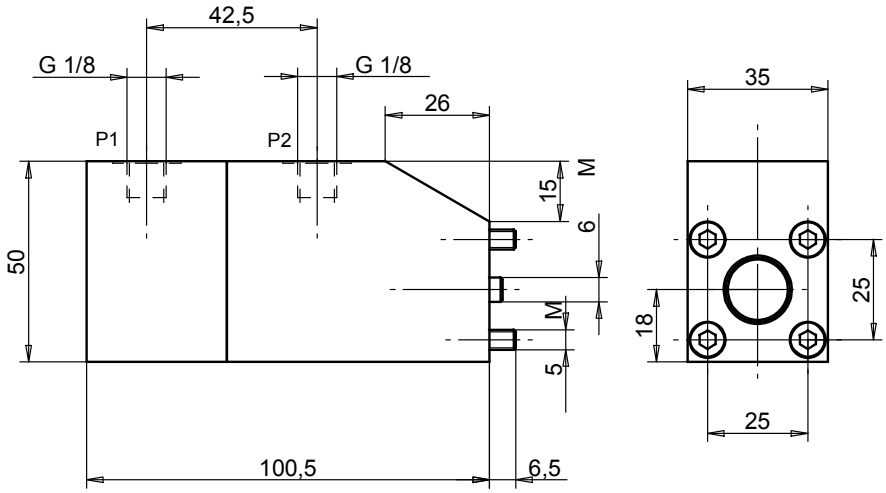
Features

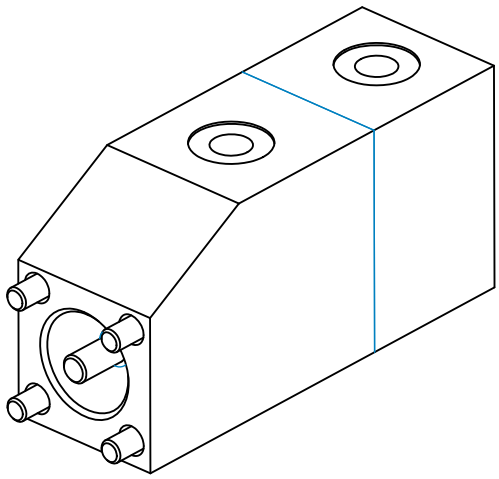
Max Pressure	250 bar
Max Flow	80 lpm
Ports	P-A: G 1/2 T: G 3/8 PIL: G 1/4
Std. Pressure range	(1) 30 - 260 bar (2) 100 - 350 bar

Ordering Code

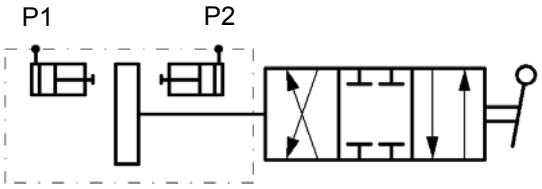
VMSIP80R 03

Dimensions





Hydraulic Symbol



Features

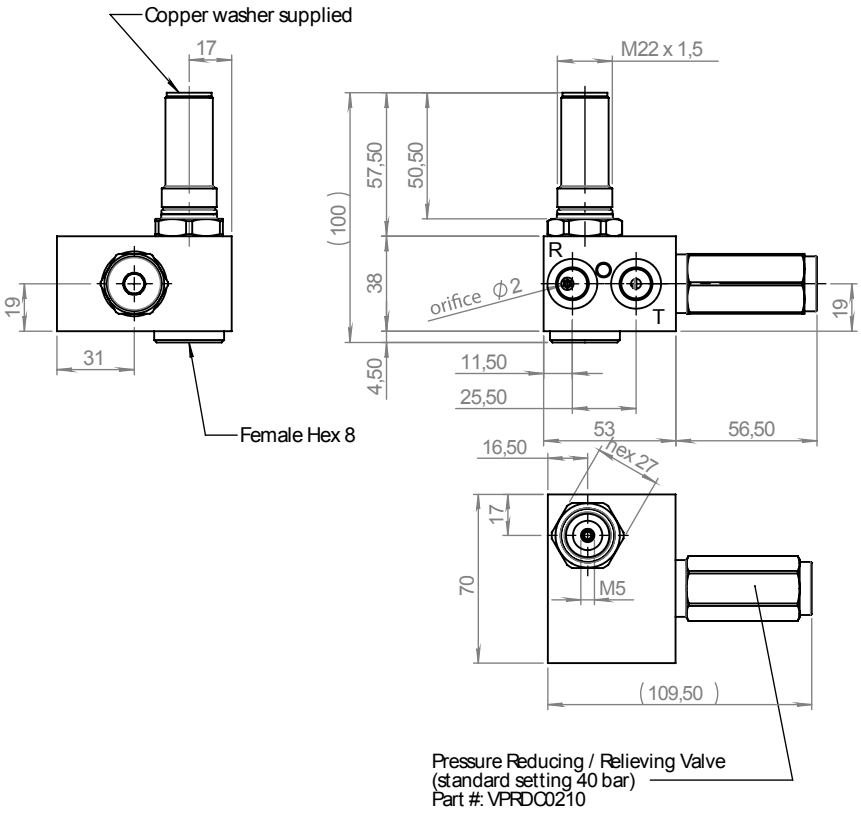
Max Pressure	290 bar

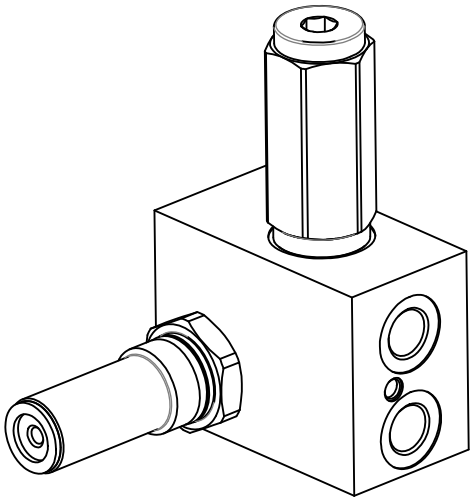
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

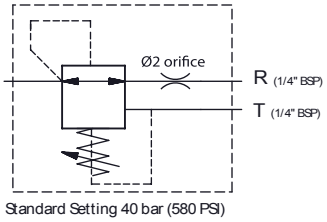
BLCDEWL 005

Dimensions





Hydraulic Symbol



Standard Setting 40 bar (580 PSI)

Features

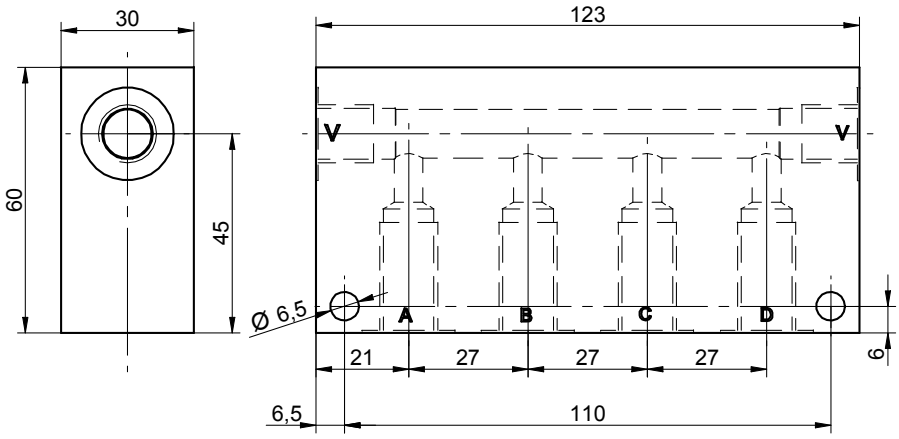
Standard Setting	40 bar
Port Sizes	R-T: G 1/4" BSP

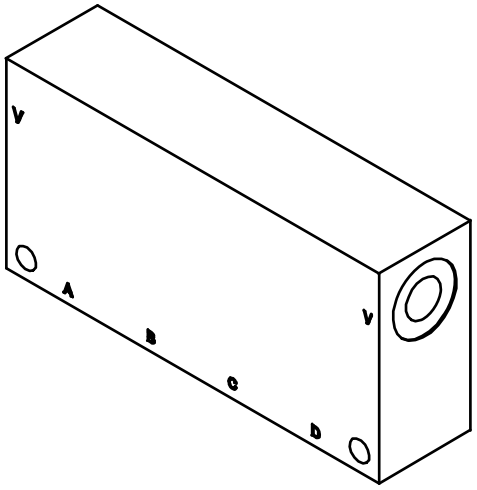
Materials: Zinc plated steel cartridge, hardened steel inner
Aluminium manifold.

Ordering Code

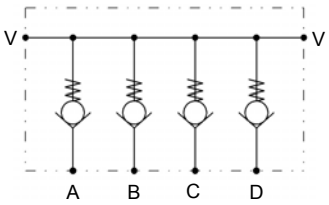
PSUHCD4

Dimensions





Hydraulic Symbol



Features

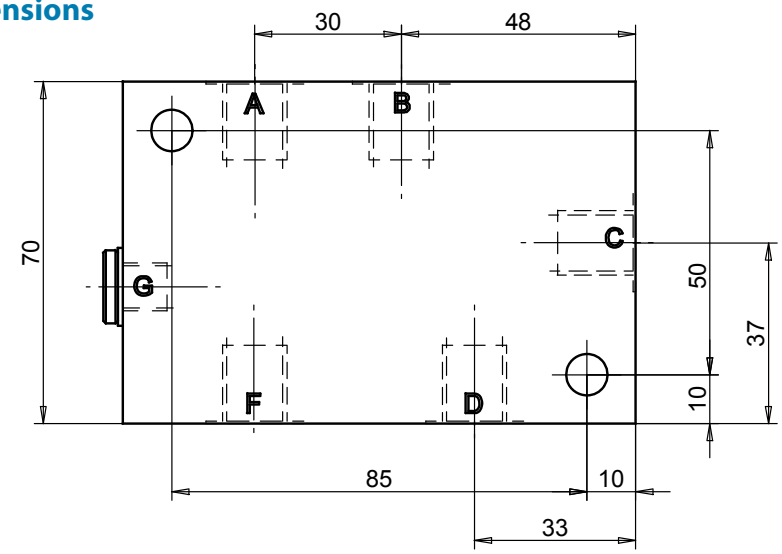
Max Flow	20 lpm
Max Pressure	350 bar
Port Sizes	V: G 1/4 A - B - C - D: G 1/4

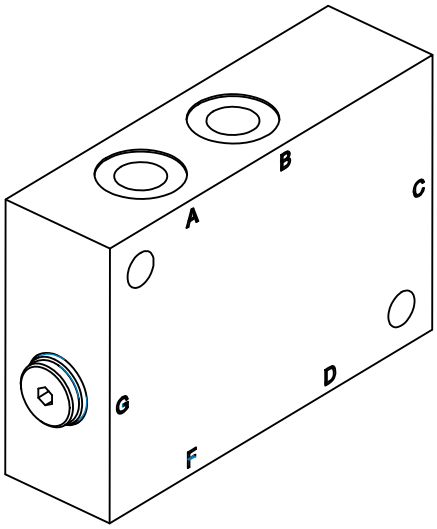
Materials: Aluminium body

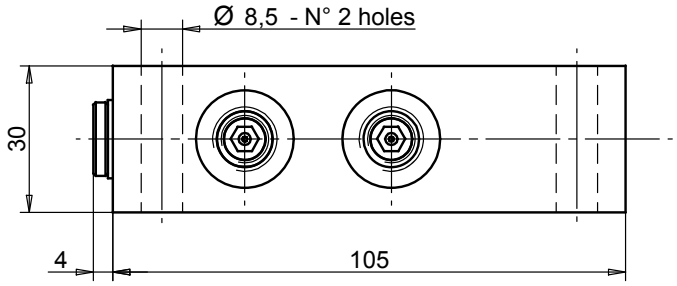
Ordering Code

VRLS4RT01

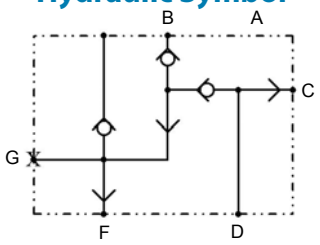
Dimensions







Hydraulic Symbol



Features

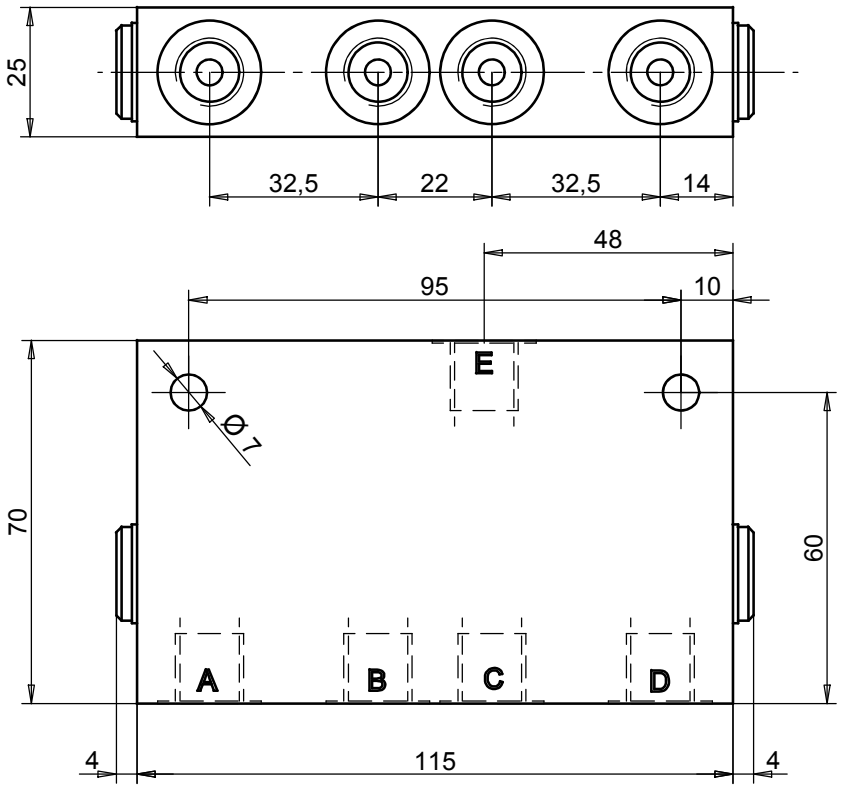
Max Flow	3 lpm
Max Pressure	400 bar
Ports	A-B-C-D-F: 1/4 G: 1/8

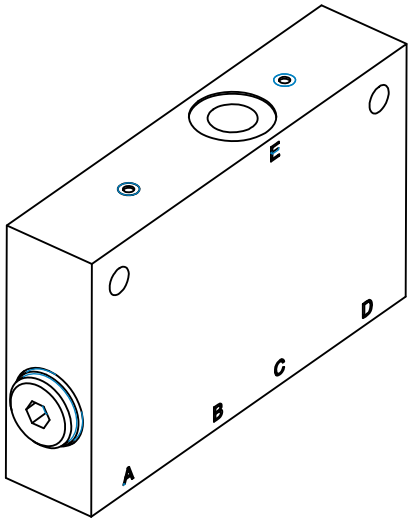
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

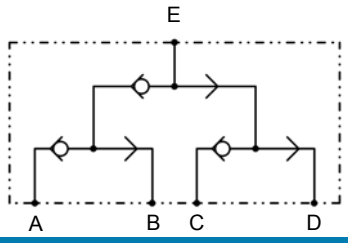
VSEL3V 01

Dimensions





Hydraulic Symbol



Features

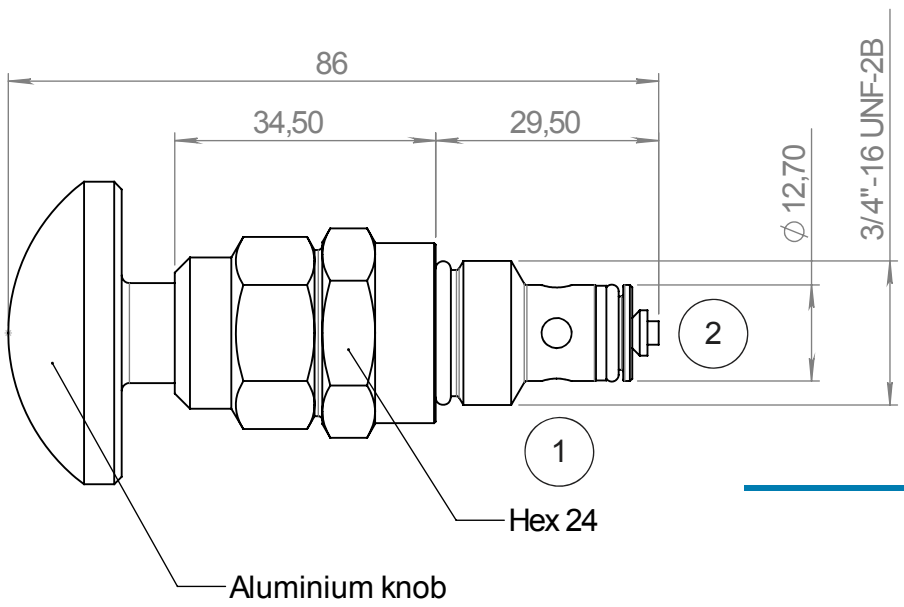
Max Pressure	250 bar
Max Flow	10 lpm
Ports	A-B-C-D-E: G 1/4

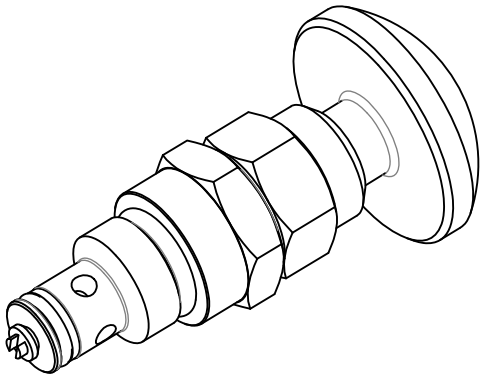
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

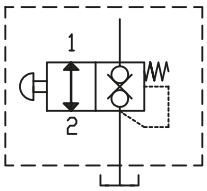
VSEL3VHC 01

Dimensions



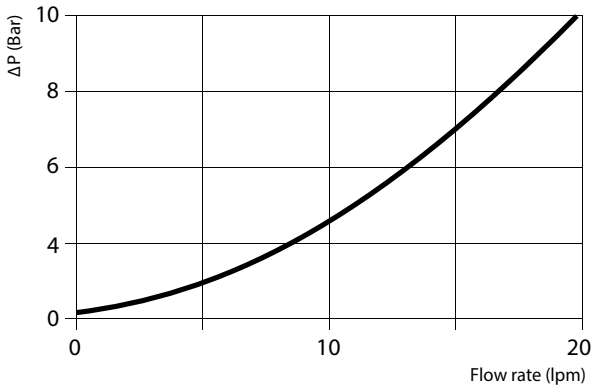


Hydraulic Symbol



Notice: This is an emergency valve only,
to work properly (2) does not have to be pressurized

Curves



Features

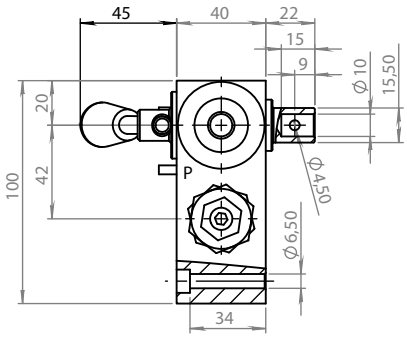
Max Pressure	350 bar
Max Flow	20 lpm
Installation torque	35-40 Nm

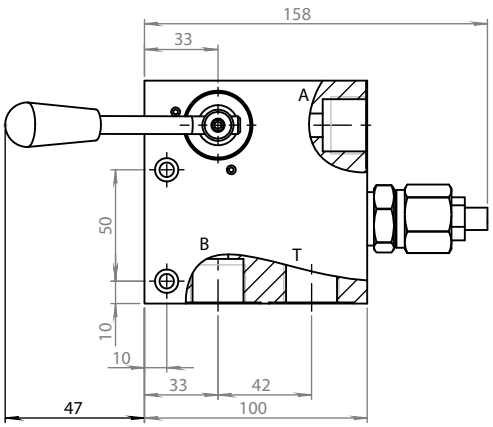
Materials: Zinc plated steel cartridge, hardened steel inner parts, aluminium knob, BUNA-N seals.

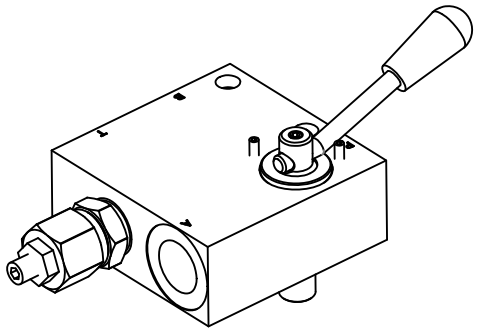
Ordering Code

MEV02

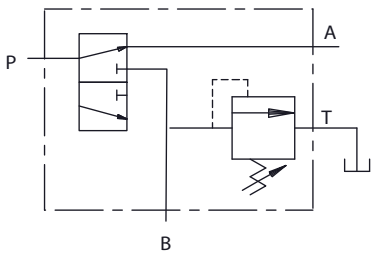
Dimensions



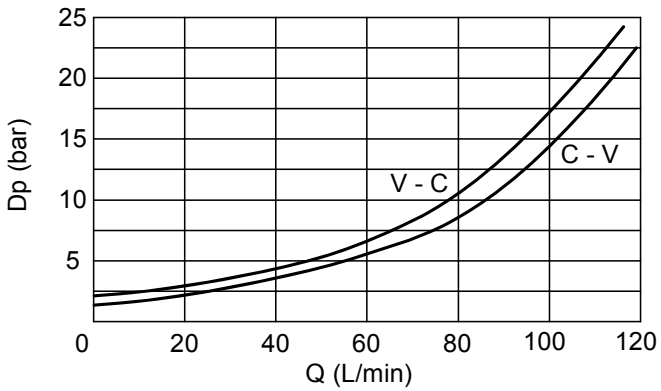




Hydraulic Symbol



Curves



Features

Max Flow	120 lpm
Max Pressure	350 bar
Ports Size (P,T,A,B)	3/4 BSP

Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

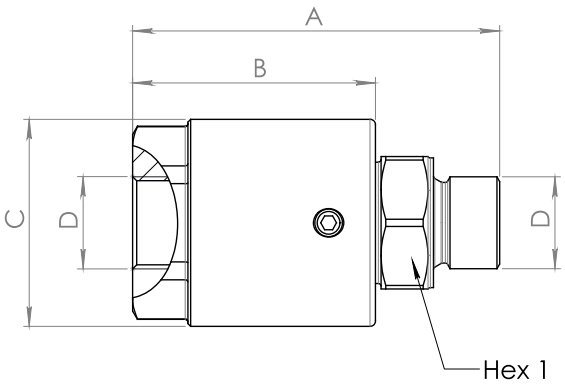
VI4WAM0480	- -	-

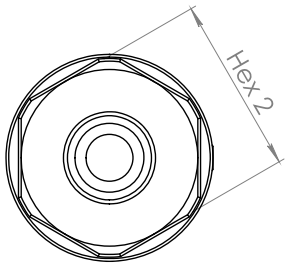
	Spring (bar)
10	5-50
20	30-260
30	130-350

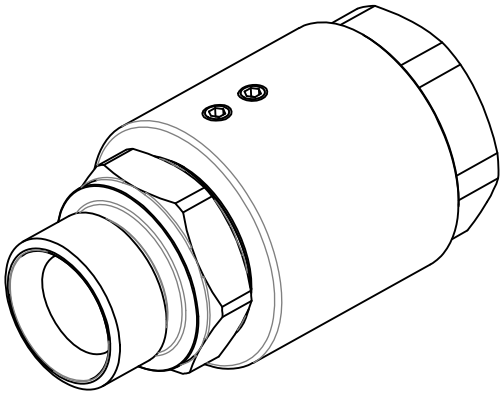
Adjustments		
A		Socket Screw
B		Handknob
C		Tamperproof Cap

Ordering Code Example: VI4WAM048030A = 3/4 BSP size ports, 130-350 bar setting range, socket screw.

Dimensions

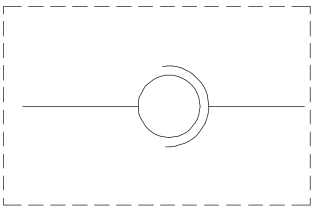




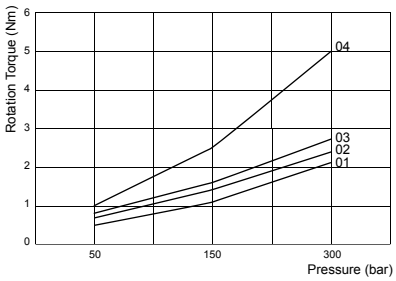


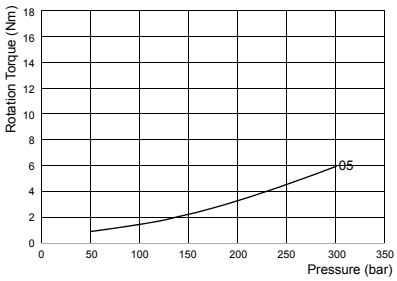
Size	A	B	C	D BSP	Hex 1	Hex 2	Weight kg
01	63	42	34	1/4	19	30	0,28
02	66,5	44	37,5	3/8	22	32	0,35
03	70,4	44	39,5	1/2	27	32	0,39
04	90,7	60	49,5	3/4	32	41	0,80
05	100	65	54,5	1	41	46	0,95

Hydraulic Symbol



Curves





Notice

To be used only to compensate for occasional rotations, not suitable for continuous rotations.

Features

Size	01	02	03	04	05
Max Flow Rate (lpm)	25	45	80	120	150
Max Static Pressure (bar)	400	400	360	310	280

Materials: Zinc plated steel.

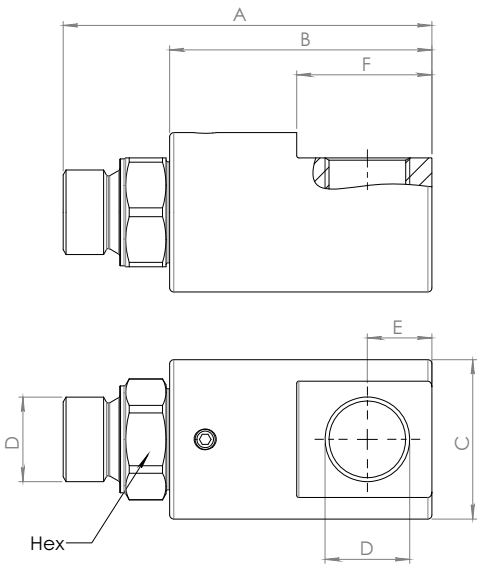
Ordering Code

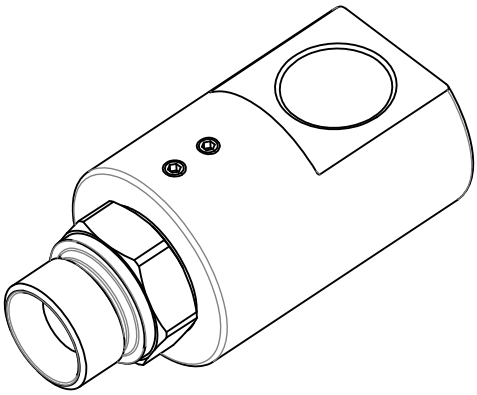
SJL	- -

	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1

Ordering Code Example: SJL03 = 1/2 BSP.

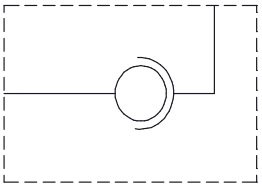
Dimensions



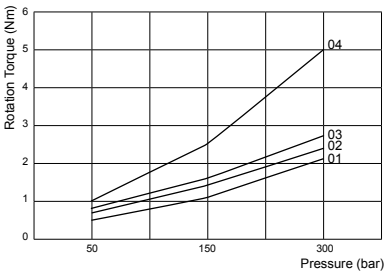


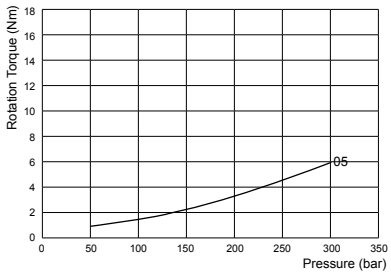
Size	A	B	C	D BSP	E	F	Hex 1	Weight kg
01	71	50	34	1/4	11,5	25	19	0,33
02	77,5	55	37,5	3/8	14	31	22	0,43
03	91,4	65	39,5	1/2	16	33,5	27	0,55
04	104,7	74	49,5	3/4	17,8	39	32	0,97
05	120	85	59,5	1	22,8	48	41	1,45

Hydraulic Symbol



Curves





Features

Size	01	02	03	04	05
Max Flow Rate (lpm)	25	45	80	120	150
Max Static Pressure (bar)	400	400	360	310	280

Materials: Zinc plated steel.

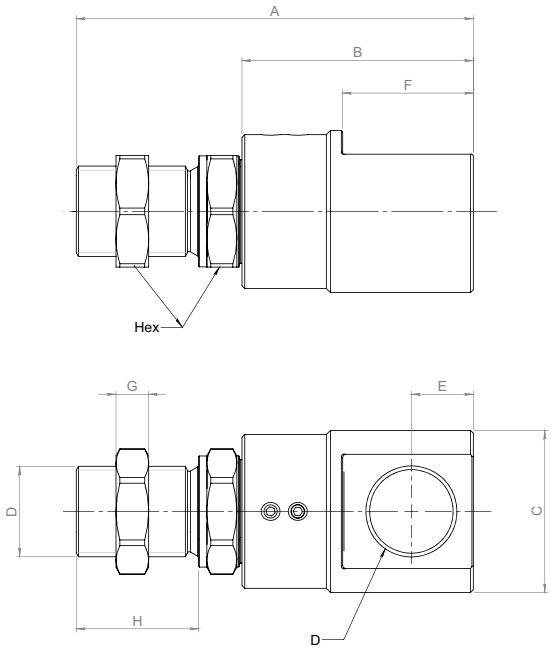
Ordering Code

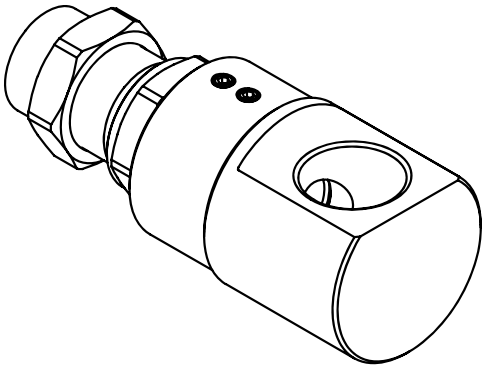
SJ90	- -

	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1

Ordering Code Example: SJ9003 = 1/2 BSP.

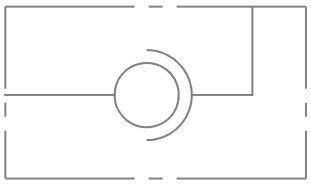
Dimensions



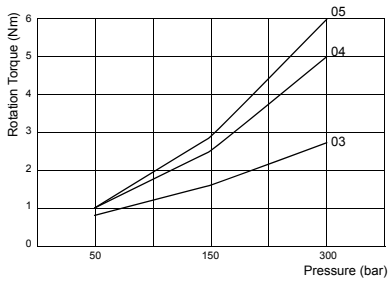


Size	A	B	C	D BSP	E	F	G	H	Hex	Weight kg
03	117,4	65	39,5	1/2"	16,0	33,5	8	40	27	0,62
04	131,7	74	49,5	3/4"	17,8	39,0	9	43	32	1,07
05	146,0	85	59,5	1"	22,8	48,0	12	45	41	1,60

Hydraulic Symbol



Curves



Notice

To be used only to compensate for occasional rotations, not suitable for continuous rotations.

Features

Size	03	04	05
Max Flow Rate (lpm)	80	120	150
Max Static Pressure (bar)	360	310	280

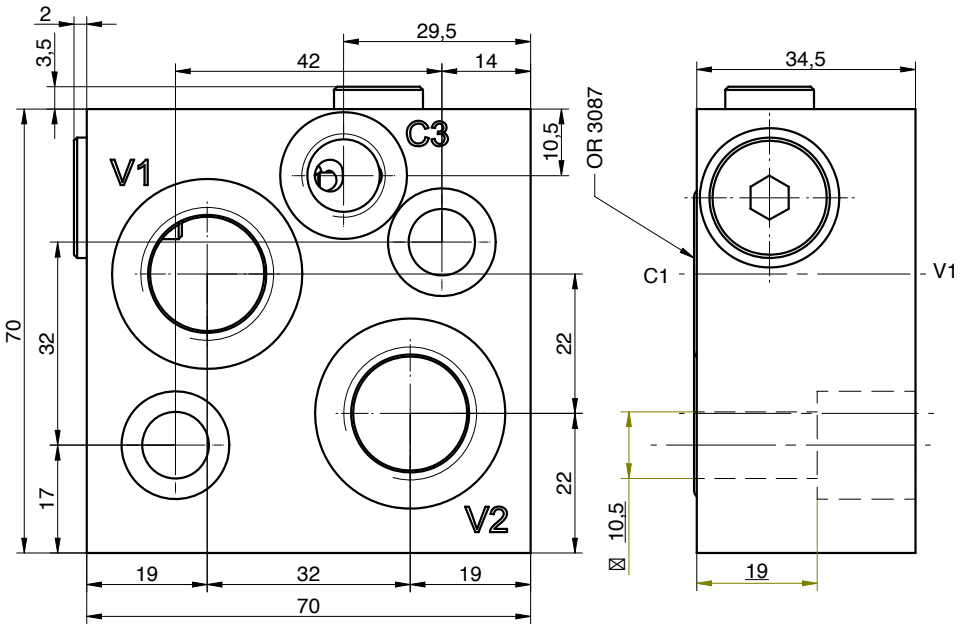
Ordering Code

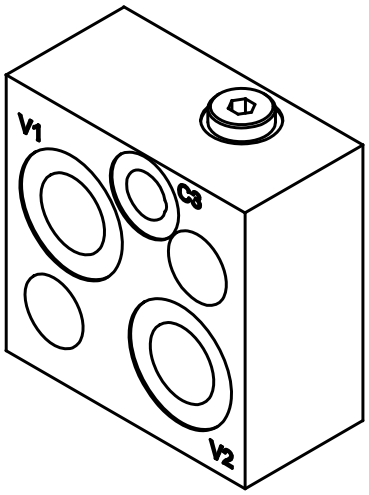
SJPM90	- -

	Size BSP
03	1/2
04	3/4
05	1

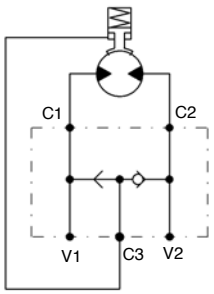
Ordering Code Example: SJPM9003 = 1/2 BSP.

Dimensions





Hydraulic Symbol



Features

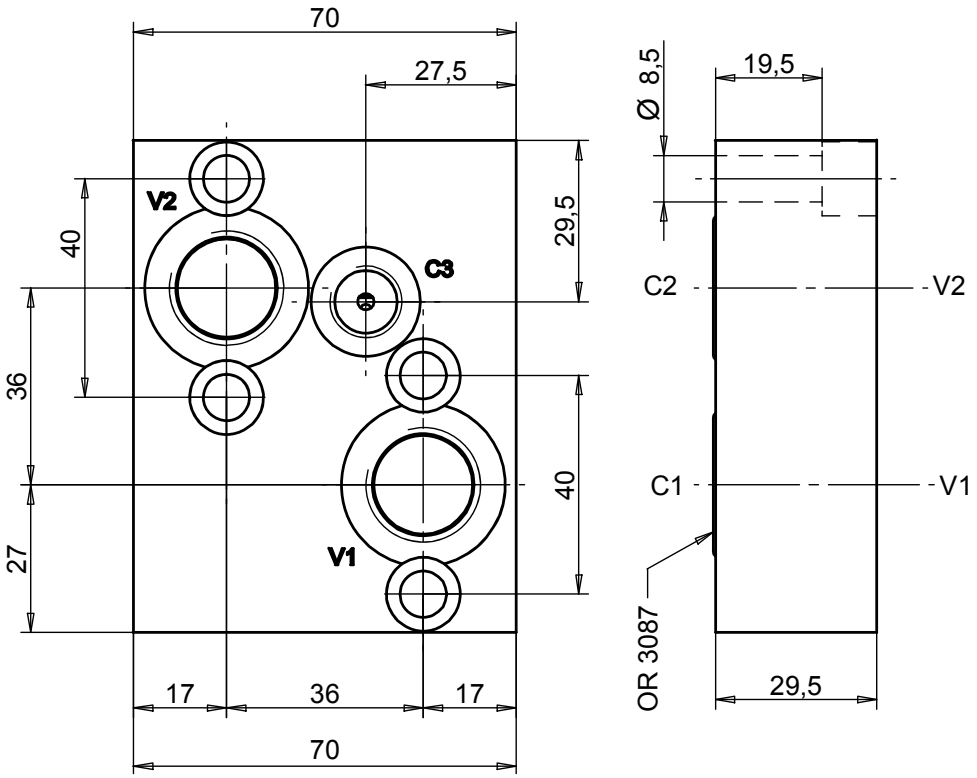
Max Flow	50 lpm
Max Pressure	350 bar
Port Sizes	V1 - V2: G 1/2 C3: G 1/4

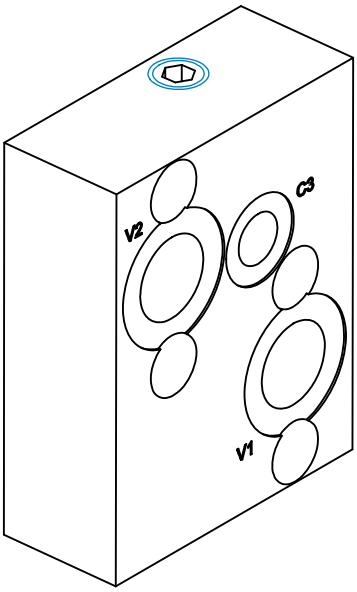
Materials: Aluminium manifold

Ordering Code

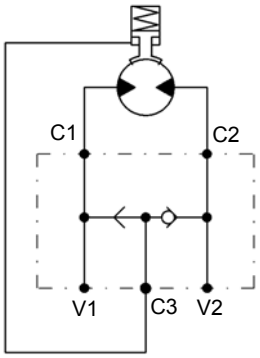
SHVOMS03

Dimensions





Hydraulic Symbol



Features

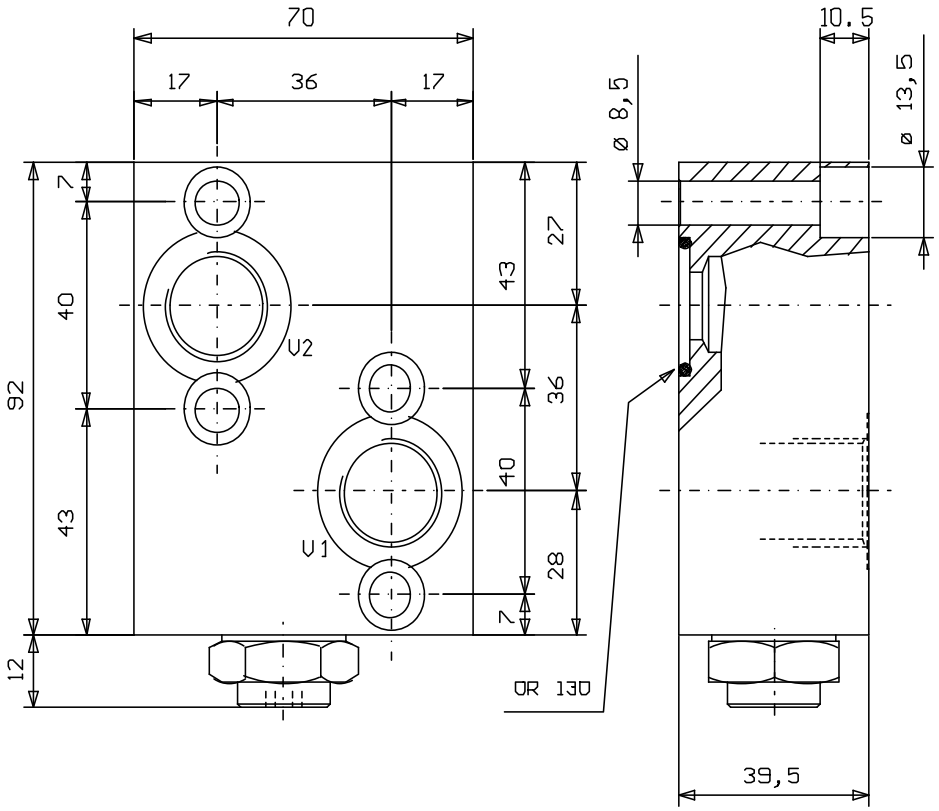
Max Flow	50 lpm
Max Pressure	350 bar
Ports	V1-V2: G 1/2 C3: G 1/4

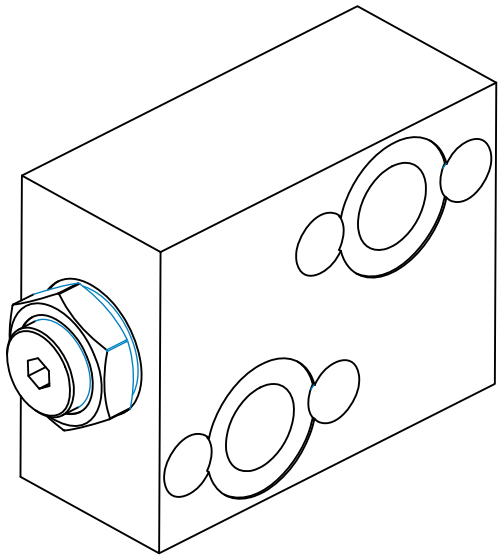
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

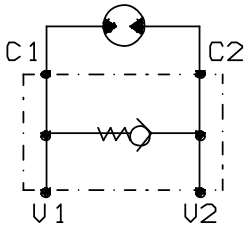
SHVOMP 03

Dimensions





Hydraulic Symbol



Features

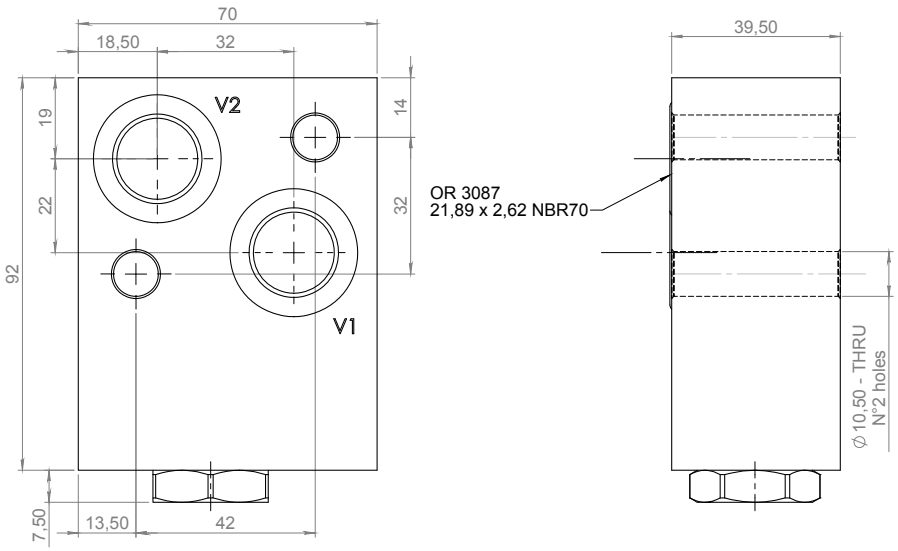
Max Flow	50 lpm
Max Pressure	250 bar
Cracking Pressure	0,5 / 3
Ports	V1-V2: G1/2

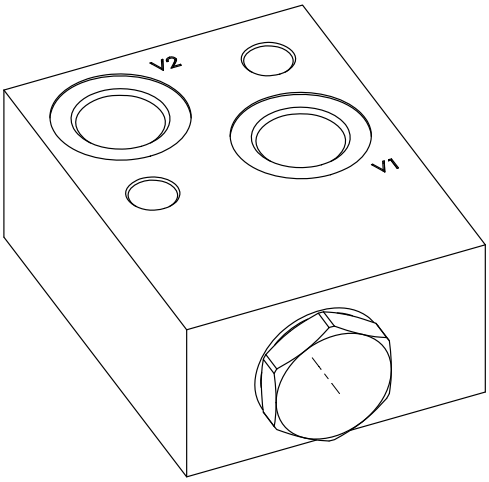
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

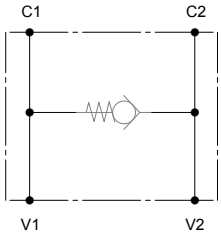
ACVOMP 03

Dimensions





Hydraulic Symbol



Features

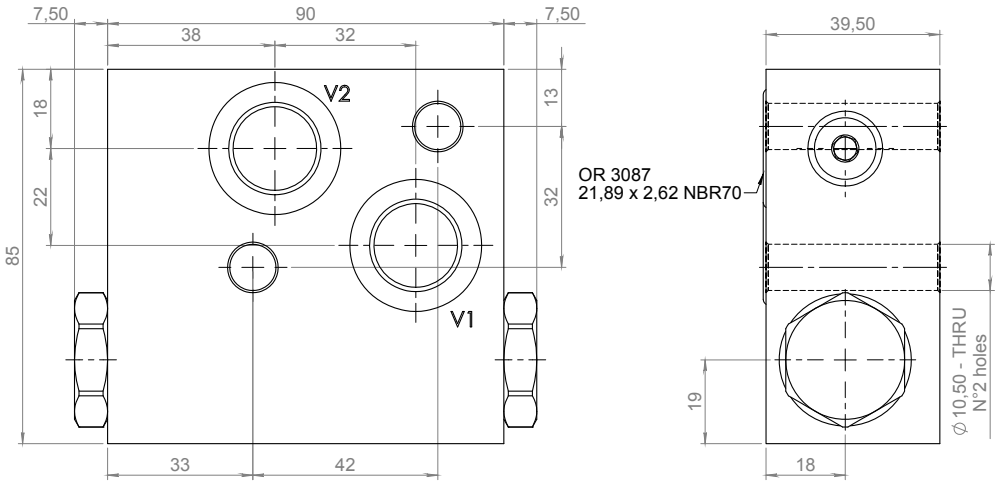
Max Flow	50 lpm
Max Pressure	250 bar
Port Sizes	V1 - V2 = G 1/2 BSP

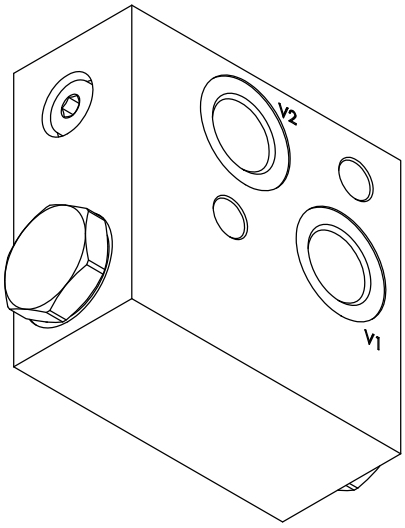
Materials: Aluminium manifold

Ordering Code

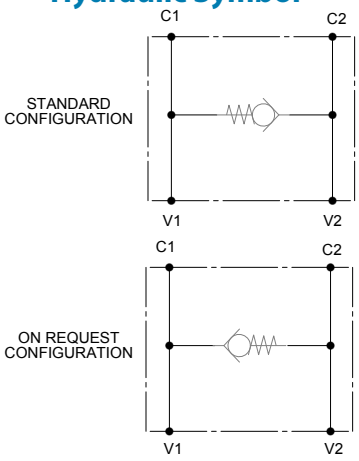
ACVOMS03

Dimensions





Hydraulic Symbol



Features

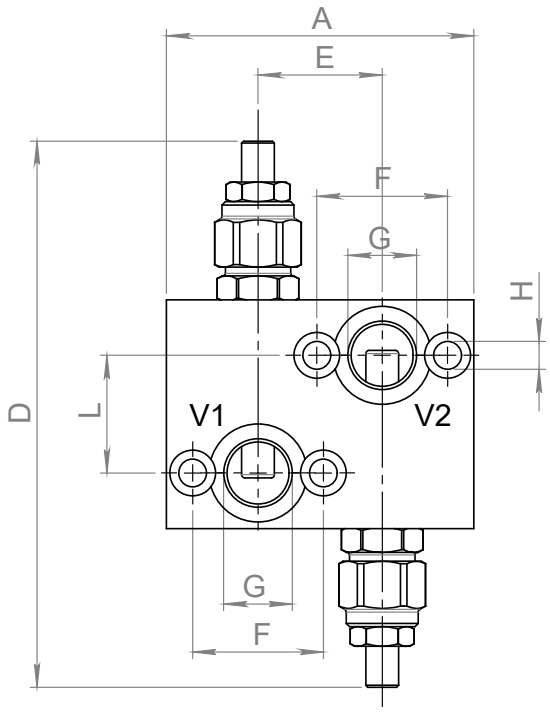
Max Flow	50 lpm
Max Pressure	250 bar
Port Sizes	V1 - V2 = G 1/2 BSP

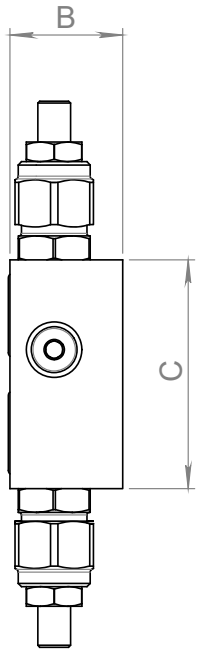
Materials: Aluminium manifold

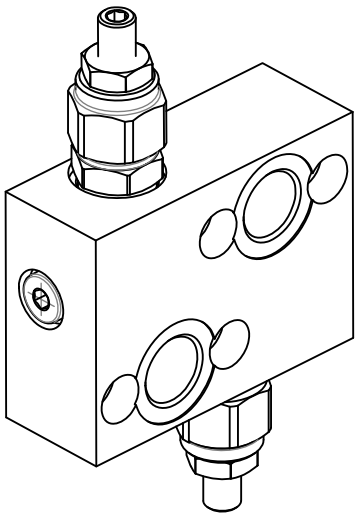
Ordering Code

ACVROMS03

Dimensions

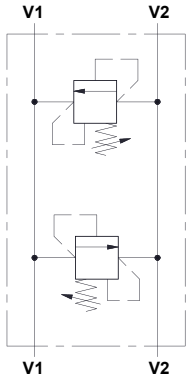




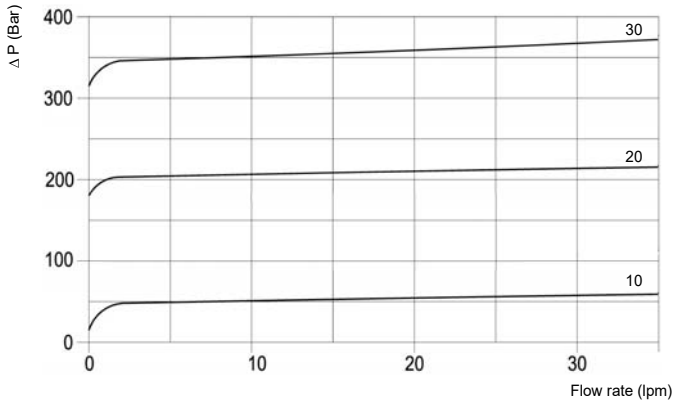


Size	A	B	C	D	E	F	G BSP	H	L	Weight kg
03	94	35	70	167	36	40	1/2	8,5	36	0,75

Hydraulic Symbol



Curves



Features

Rated Flow	35 lpm
Max Pressure	350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

DPROMP-R35	- -	- -	-

Port Size BSP

03	1/2

Spring (bar)

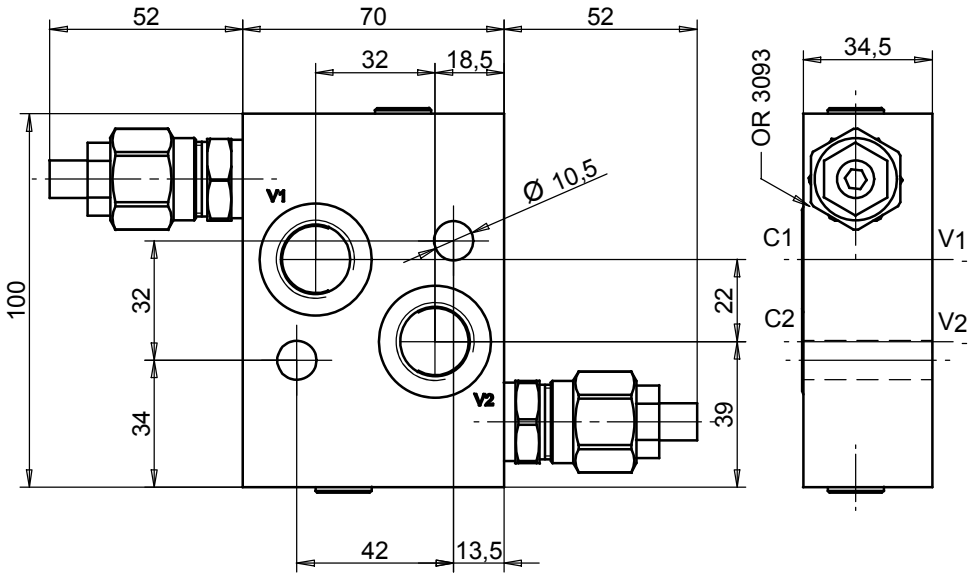
10	5-50
20	40-210
30	100-350

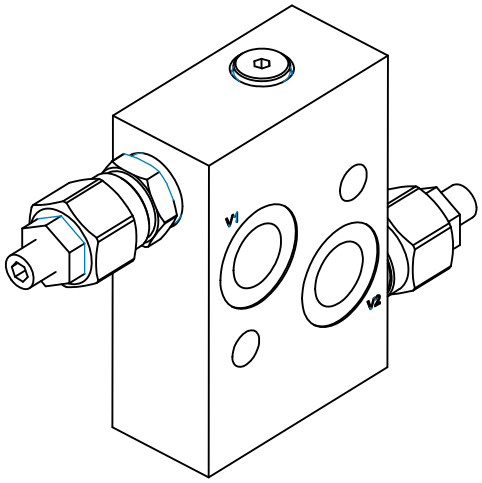
Adjustments

A		Socket Screw
B		Handknob
C		Tamperproof Cap

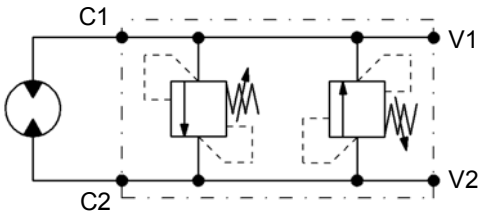
Ordering Code Example: **DPROMP-R350320A** = 1/2 Port Size - 40-210 bar setting range, Socket screw adjustment.

Dimensions

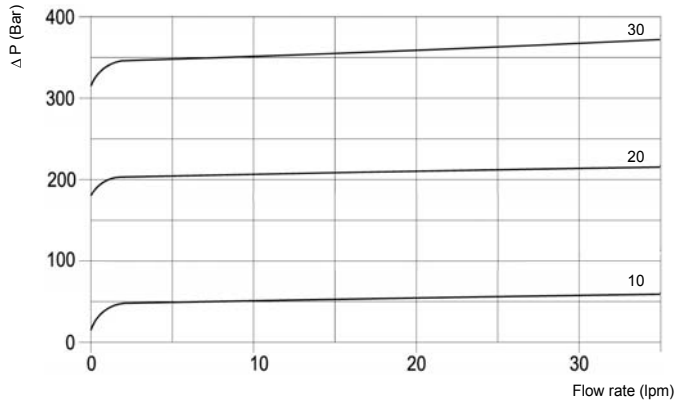




Hydraulic Symbol



Curves



Features

Max Flow	40 lpm
Max Pressure	250 bar
Ports	V1-V2: G 1/2
Pressure increase/Turn	90 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

DPROMS-R35	- -	- -	-

Port Size BSP

03	1/2

Spring (bar)

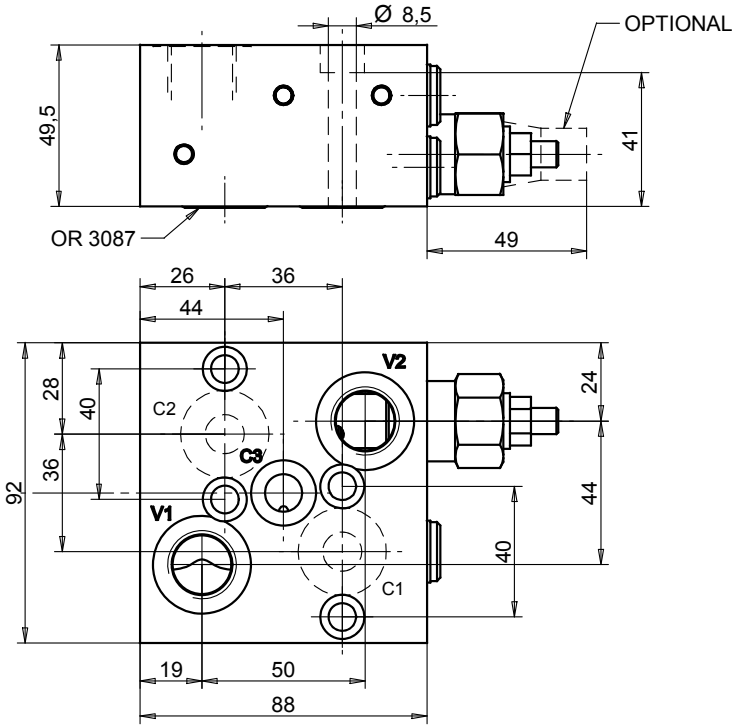
10	5-50
20	40-210
30	100-350

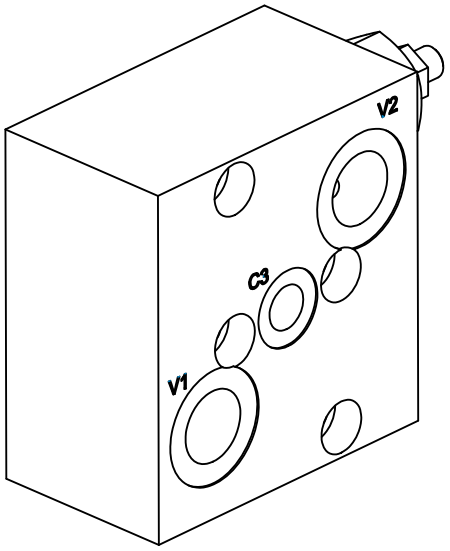
Adjustments

A		Socket Screw
B		Handknob
C		Tamperproof Cap

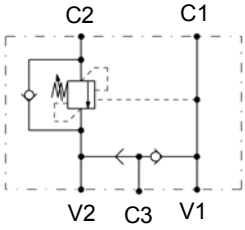
Ordering Code Example: **DPROMS-R350330A** = 1/2" BSP Ports - 100-350 bar setting range.

Dimensions

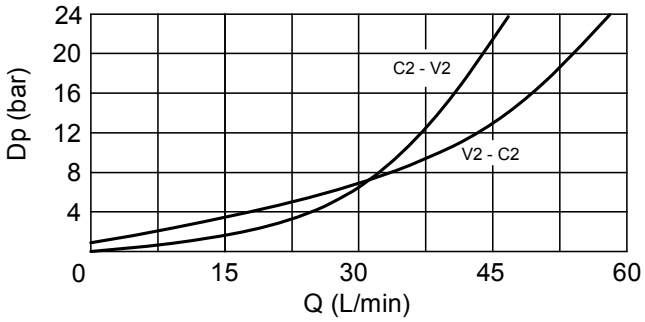




Hydraulic Symbol



Curves



Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

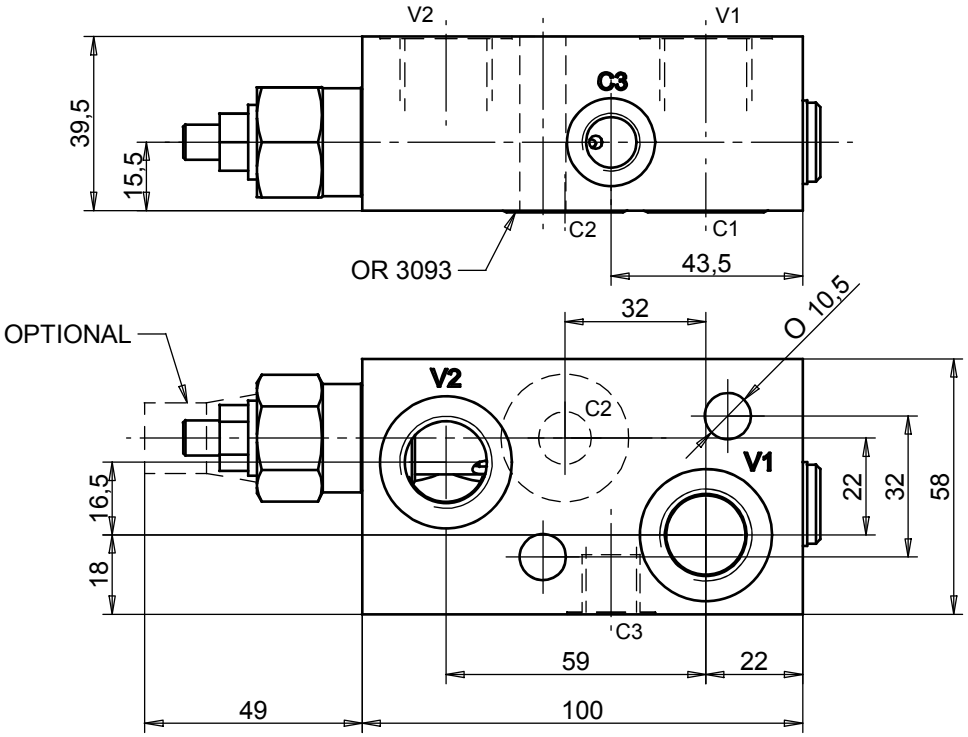
Features

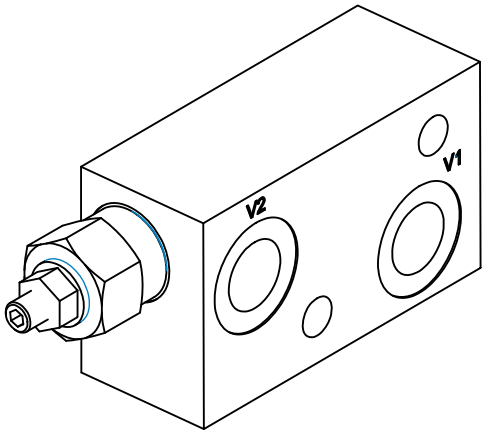
Max Flow	60 lpm
Max Pressure	250 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4
Std. Pressure range	100 - 350 bar

Ordering Code

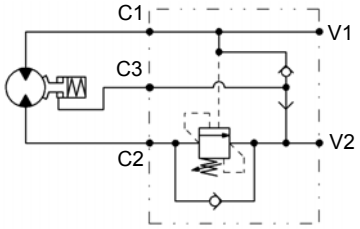
CBSLSFOMP 03

Dimensions

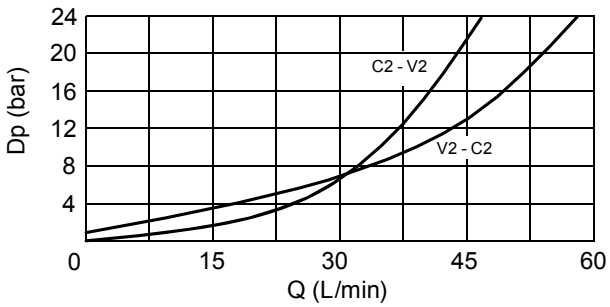




Hydraulic Symbol



Curves



Features

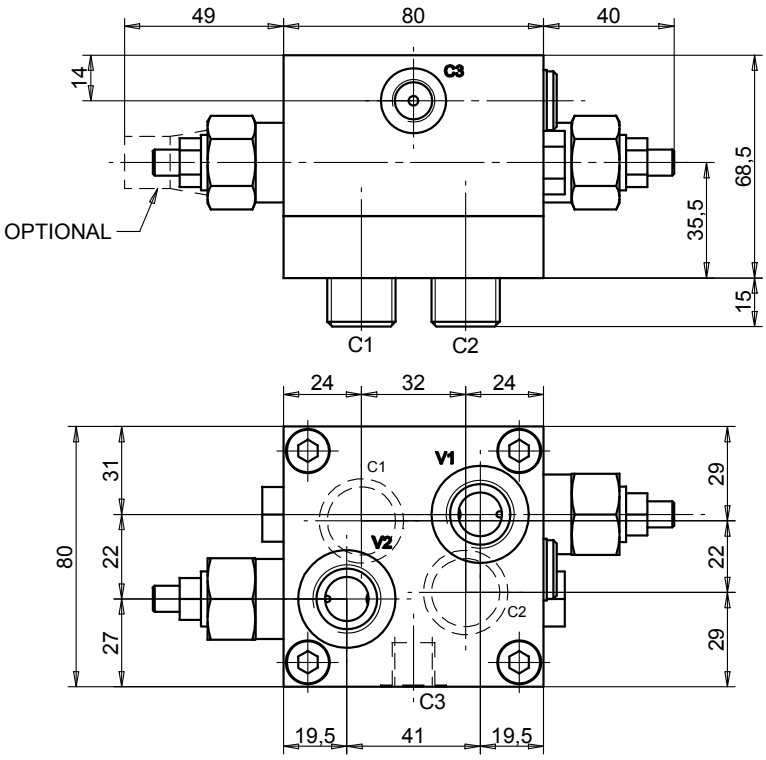
Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C3: G 1/4

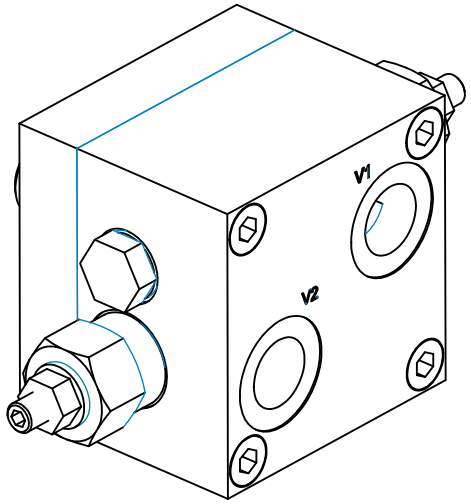
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

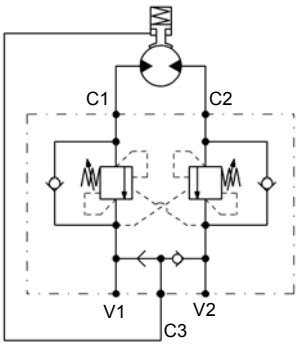
CBSLSFOMS 03

Dimensions

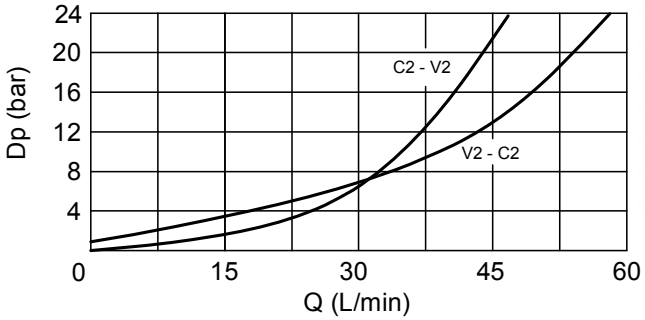




Hydraulic Symbol



Curves



Materials: Zinc plated steel cartridge, hardened steel inner parts.
Aluminium manifold.

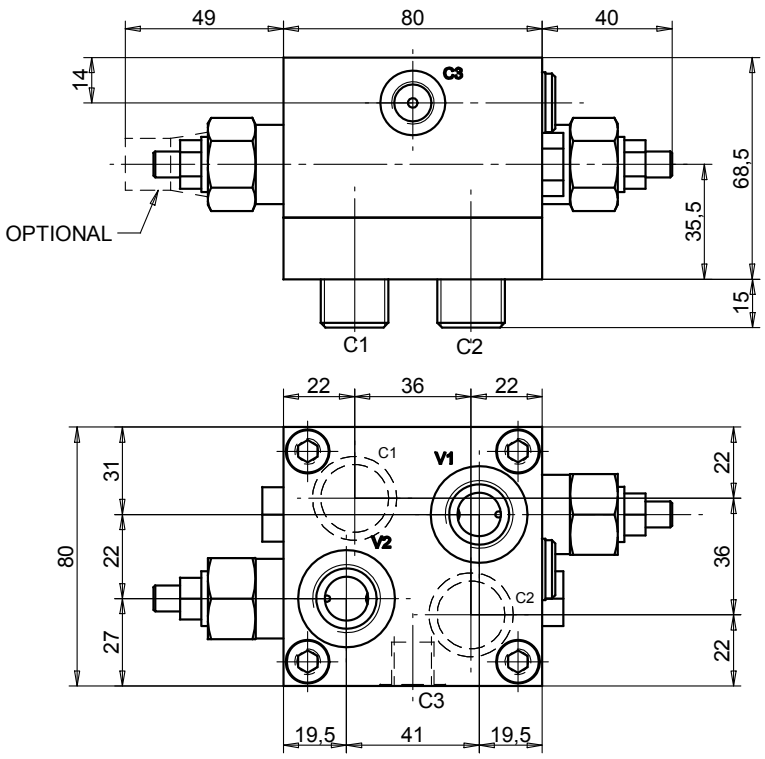
Features

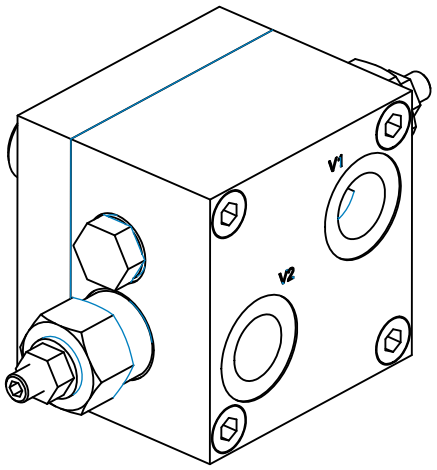
Max Flow	60 lpm
Max Pressure	250 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4
Std. Pressure range	100 - 350 bar

Ordering Code

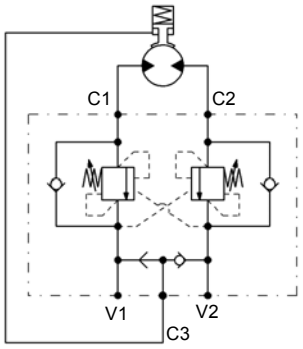
CBDLSFOMS 03

Dimensions

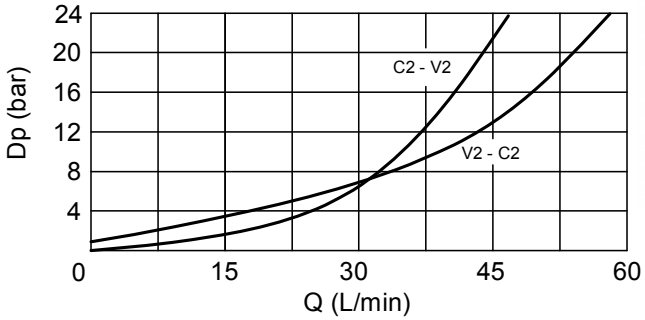




Hydraulic Symbol



Curves



Materials: Zinc plated steel cartridge, hardened steel inner parts.
Aluminium manifold.

Features

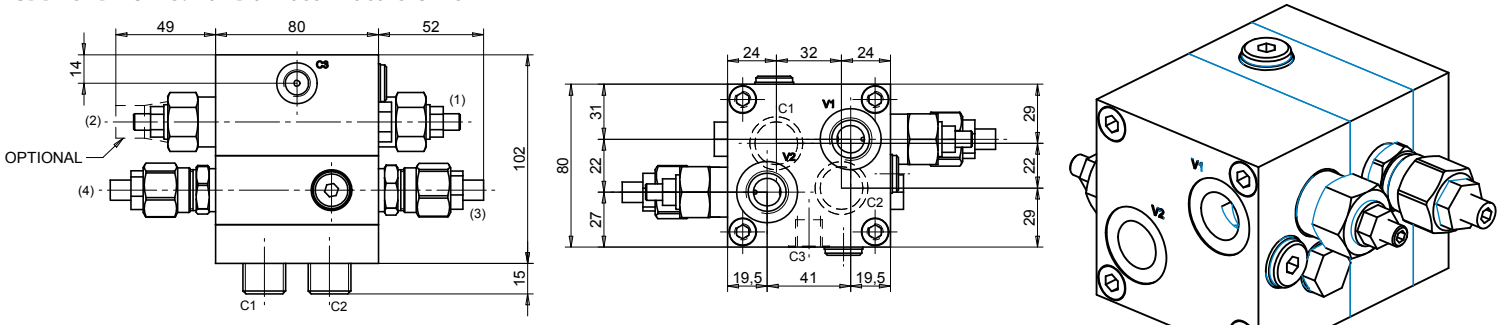
Max Flow	60 lpm
Max Pressure	250 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4
Std. Pressure range	100 - 350 bar

Ordering Code

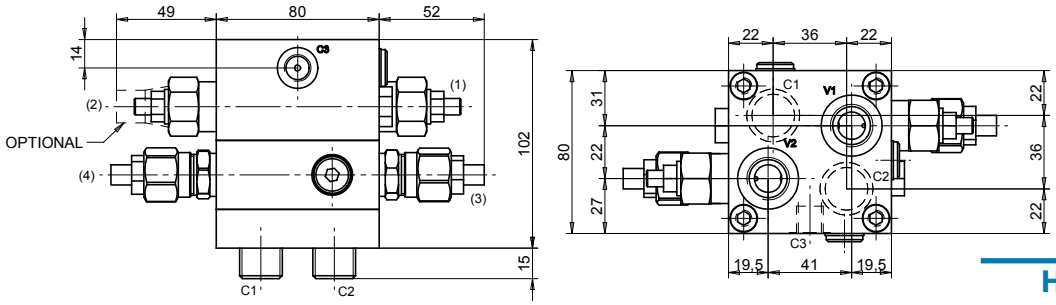
CBDLSFOMP 03

Dimensions

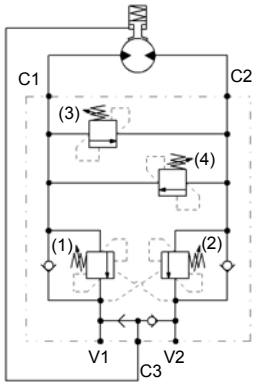
CBDLSFDPOMS: For Danfoss Motors Oms



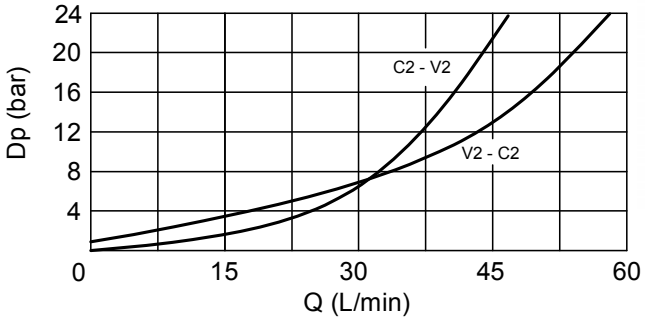
CBDLSFDPOMP: For Danfoss Motors Omp, Omr



Hydraulic Symbol



Curves



Features

Max Flow	60 lpm
Max Pressure	250 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4
Std. Pressure range	(1) (2) (3) (4) 100 - 350 bar

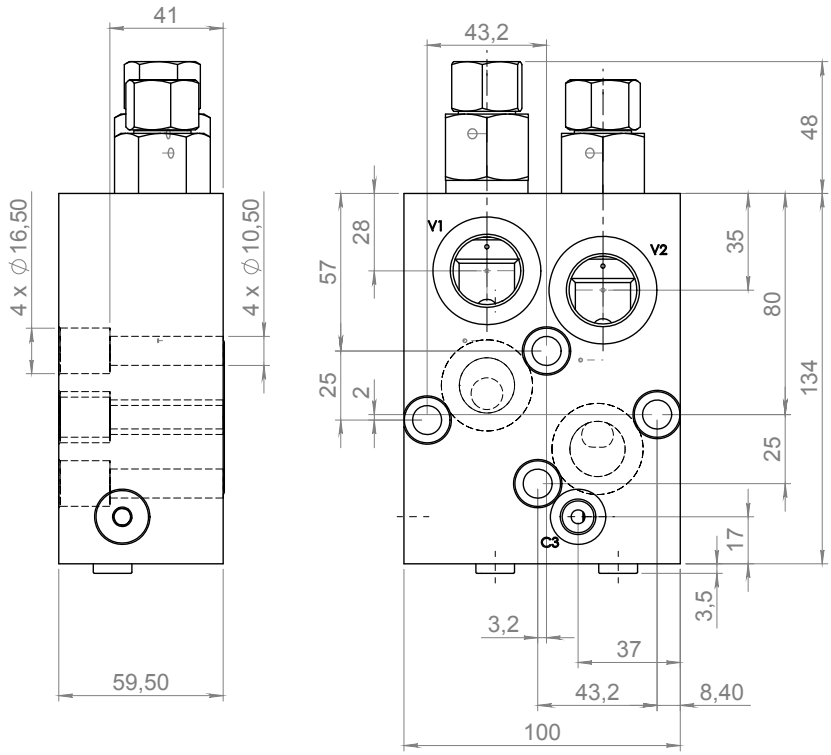
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

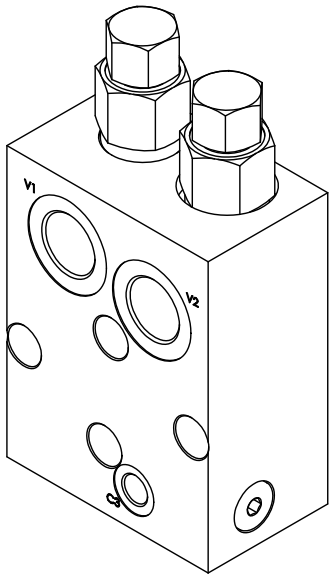
Ordering Code

CBDLSFDP	-

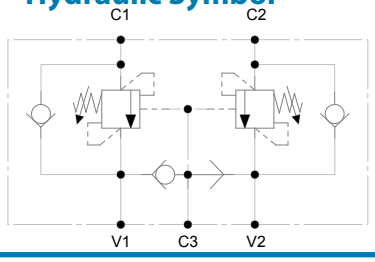
Motor
OMS
OMP

Dimensions

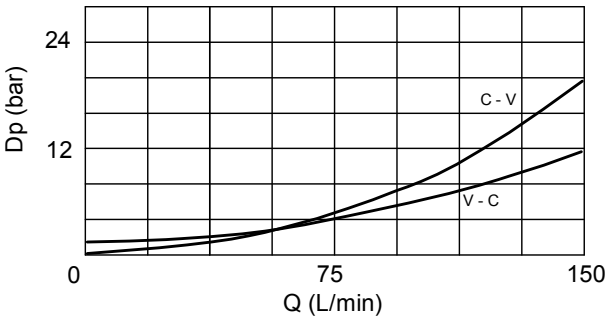




Hydraulic Symbol



Curves



Features

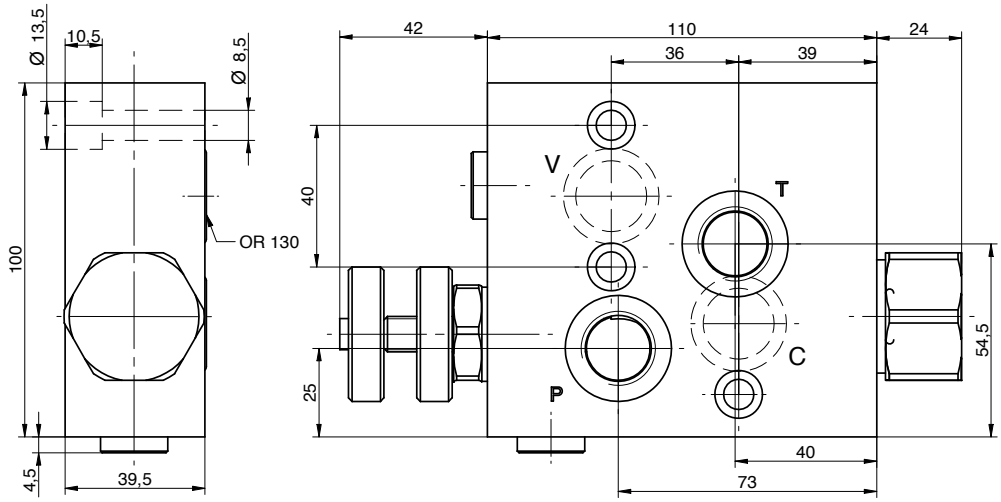
Max Flow	150 lpm
Max Pressure	350 bar
Overcentre Setting Range	100-350 bar
Pilot Ratio	4:1
Port Sizes	V1-V2 = G 3/4 BSP C3 = G 1/4 BSP

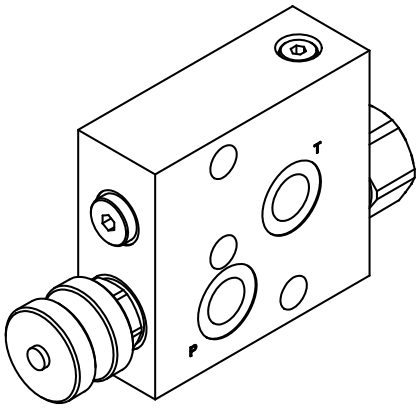
Materials: Zinc plated steel manifold

Ordering Code

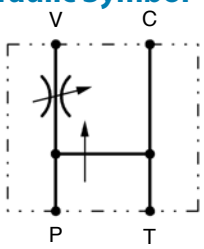
CBDLSFEPMTS04

Dimensions

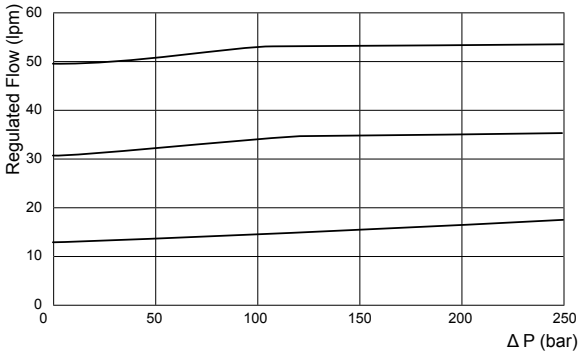




Hydraulic Symbol



Curves



Features

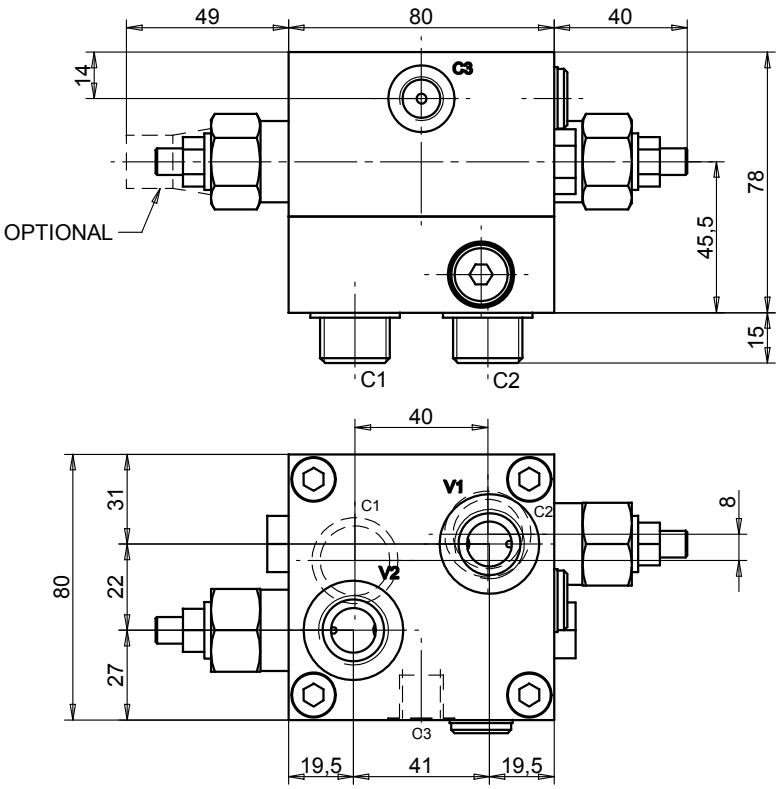
Max Inlet Flow	60 lpm
Max Adjusted Flow	50 lpm
Max Pressure	250 bar
Port Sizes	V - T: G 1/2

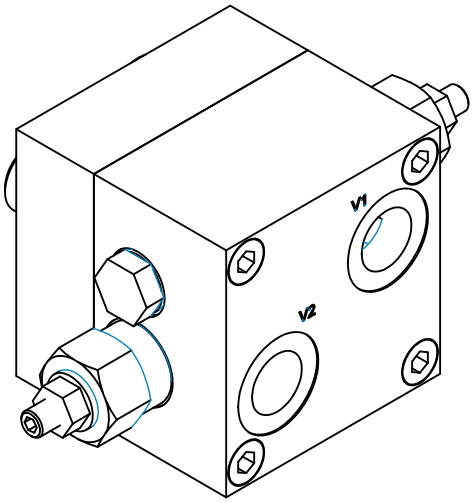
Materials: Aluminium body

Ordering Code

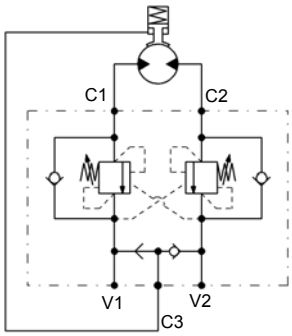
PVETOMP03

Dimensions

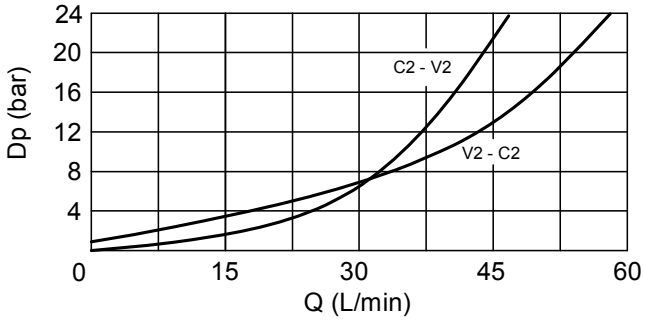




Hydraulic Symbol



Curves



Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

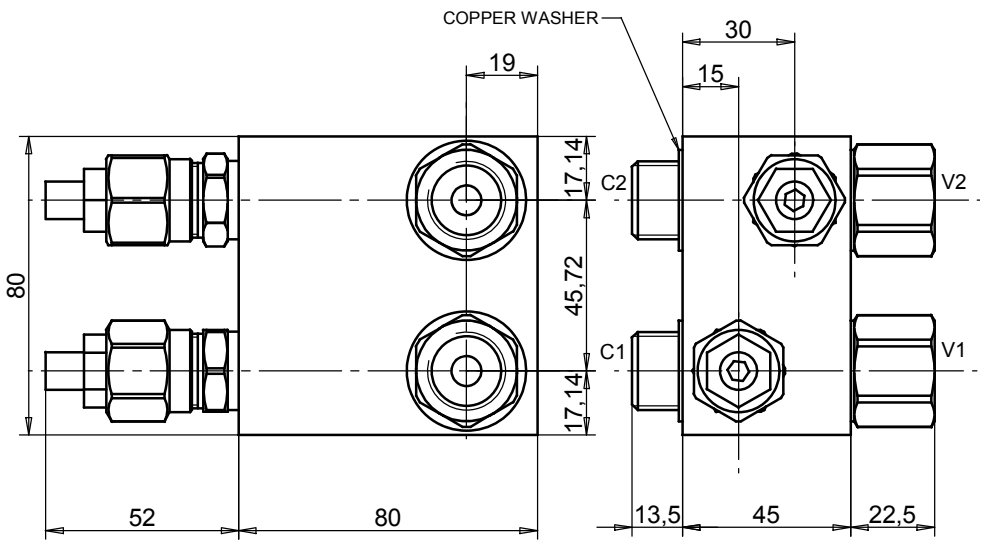
Features

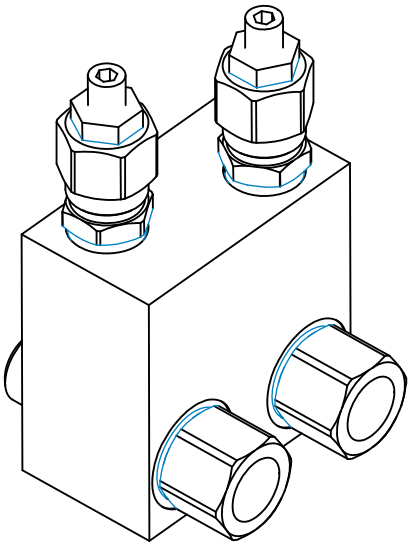
Max Flow	60 lpm
Max Pressure	250 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4

Ordering Code

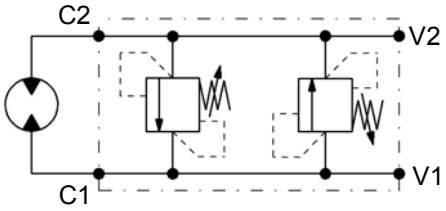
CBDLSFBG 03

Dimensions

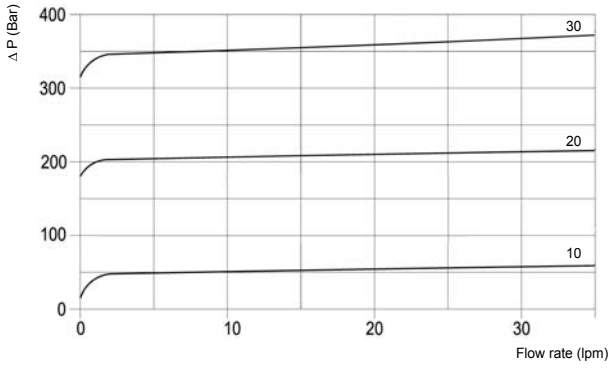




Hydraulic Symbol



Curves



Features

Max Flow	50 lpm
Max Pressure	250 bar
Ports	V1-V2: G 1/2 C1-C2: G 1/2
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

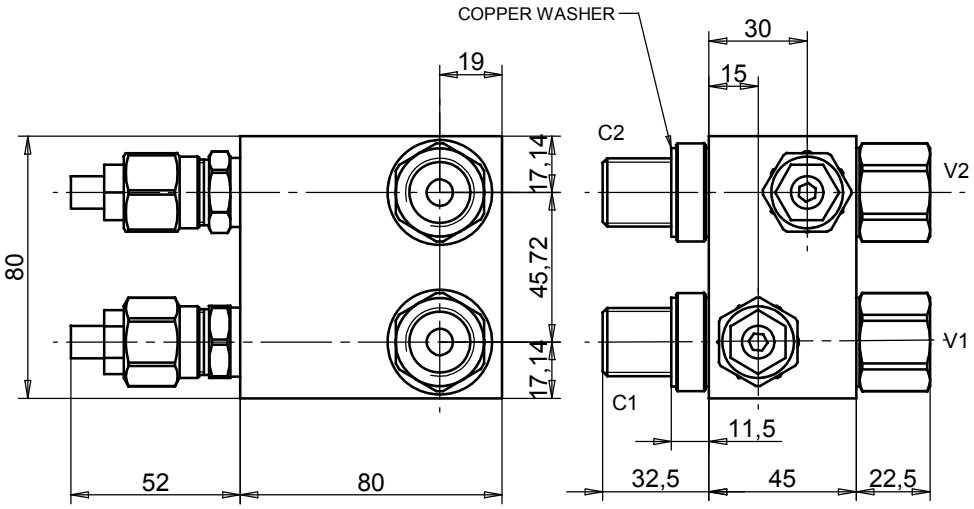
DPRCHLH-R35 03	-

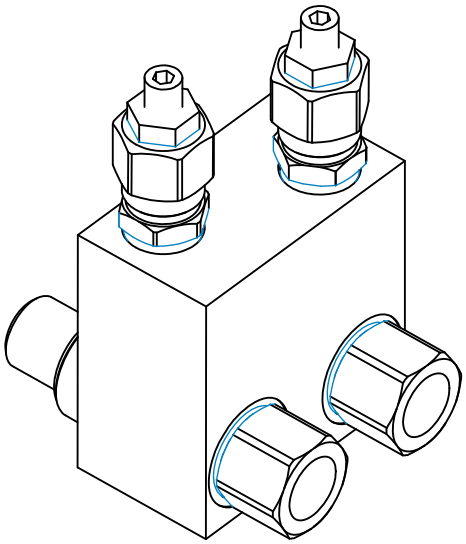
Adjustments

A		Socket Screw
C		Tamperproof Cap

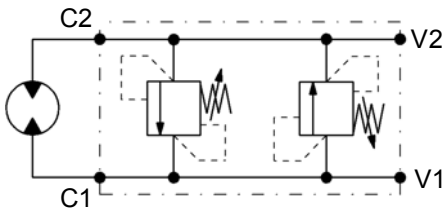
Ordering Code Example: **DPRCHLH-R3503A** - 1/2" BSP Ports - 100-350 bar setting range - Socket Screw adjustment.

Dimensions

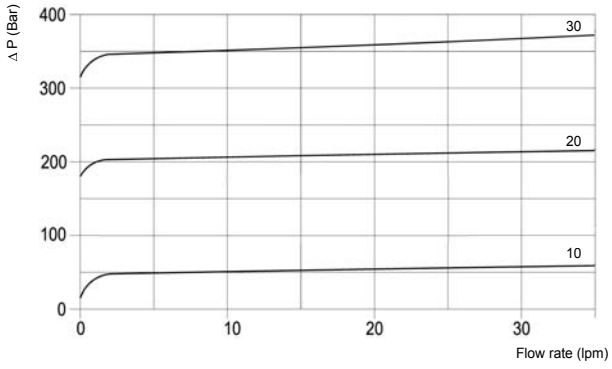




Hydraulic Symbol



Curves



Features

Max Flow	50 lpm
Max Pressure	250 bar
Ports	V1-V2: G 1/2 C1-C2: G 1/2

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

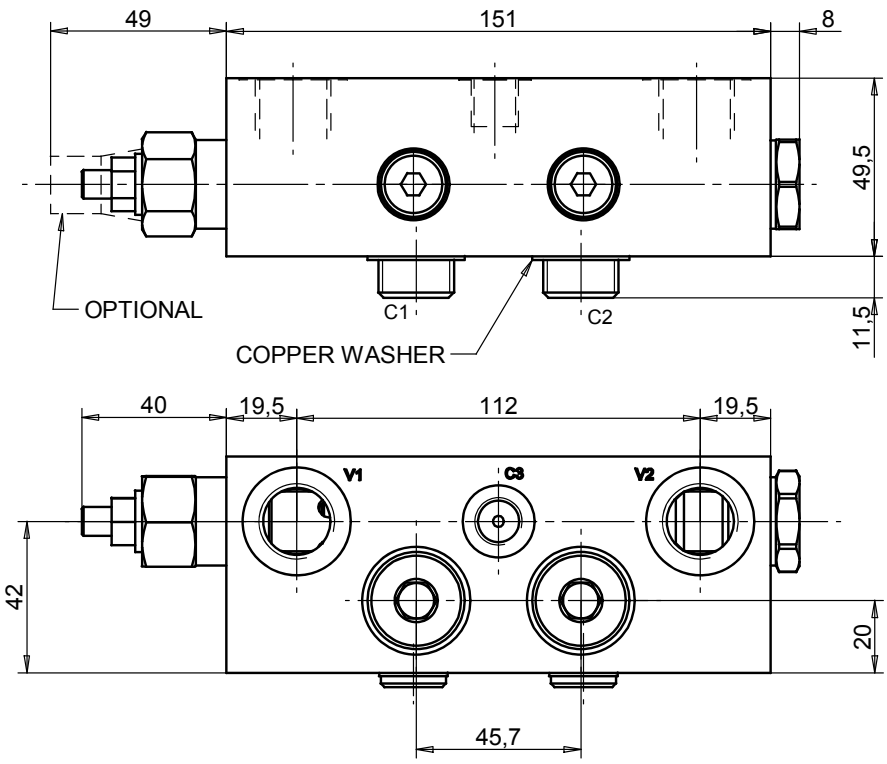
DPRCHLS-R35 03	-

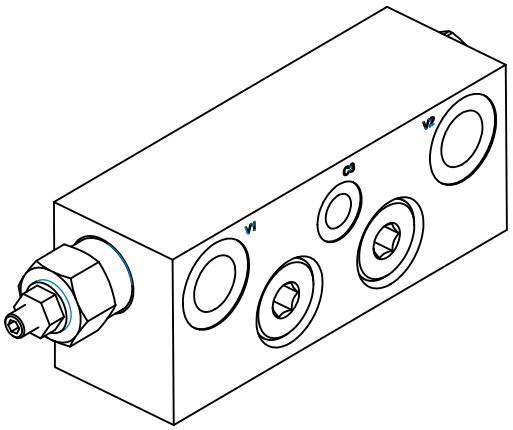
Adjustments

A		Socket Screw
C		Tamperproof Cap

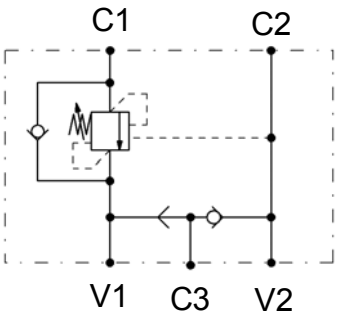
Ordering Code Example: **DPRCHLS-R3503C** - 1/2" BSP Ports - 250 bar max pressure - Tamperproof Cap adjustment.

Dimensions

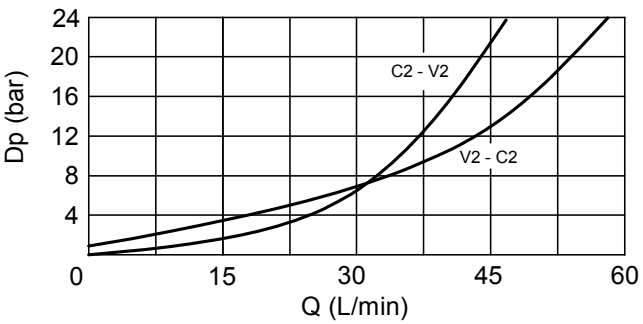




Hydraulic Symbol



Curves



Features

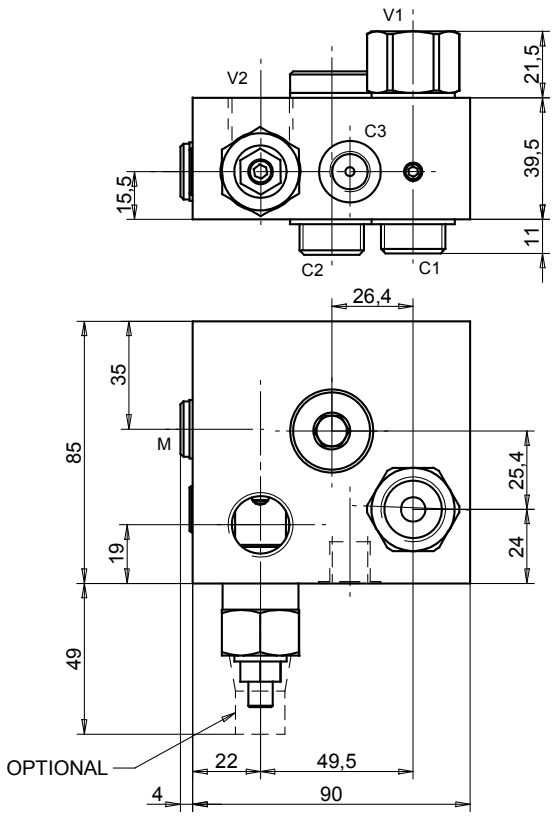
Max Flow	60 lpm
Max Pressure	250 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4
Std. Pressure range	100 - 350 bar

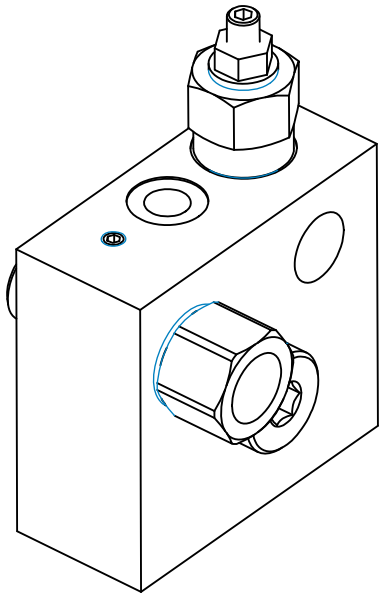
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

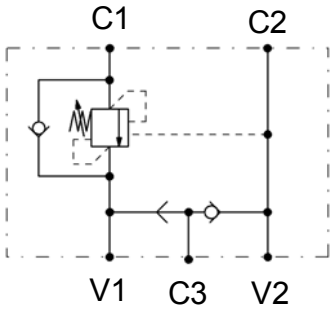
CBSLSFCHLHS 03

Dimensions

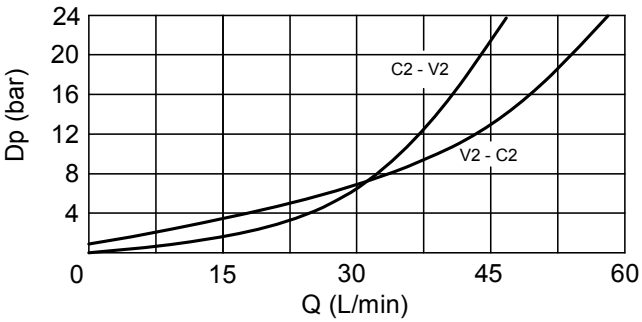




Hydraulic Symbol



Curves



Features

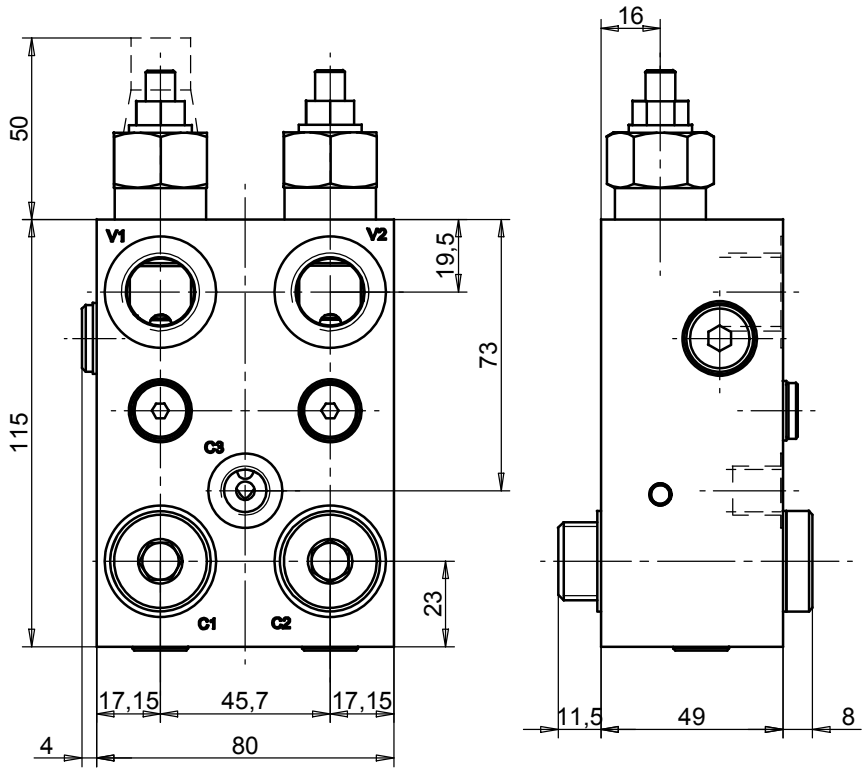
Max Flow	60 lpm
Max Pressure	250 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4
Std. Pressure range	100 - 350 bar

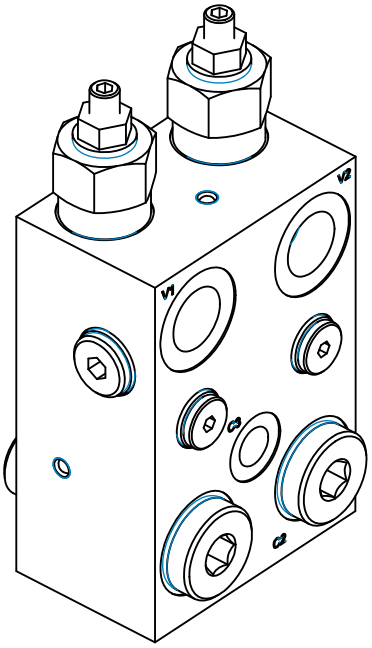
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

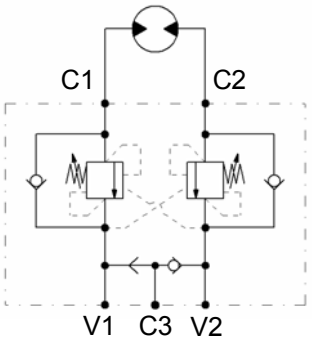
CBSLSFCHLDM 03

Dimensions

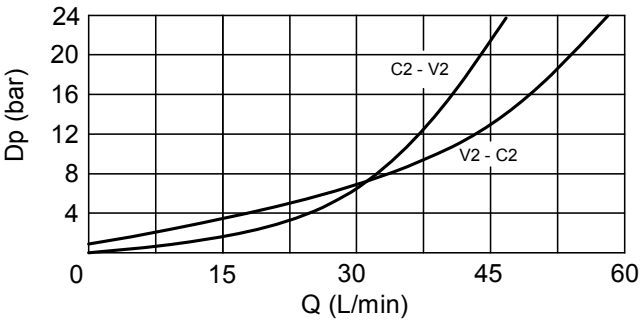




Hydraulic Symbol



Curves



Features

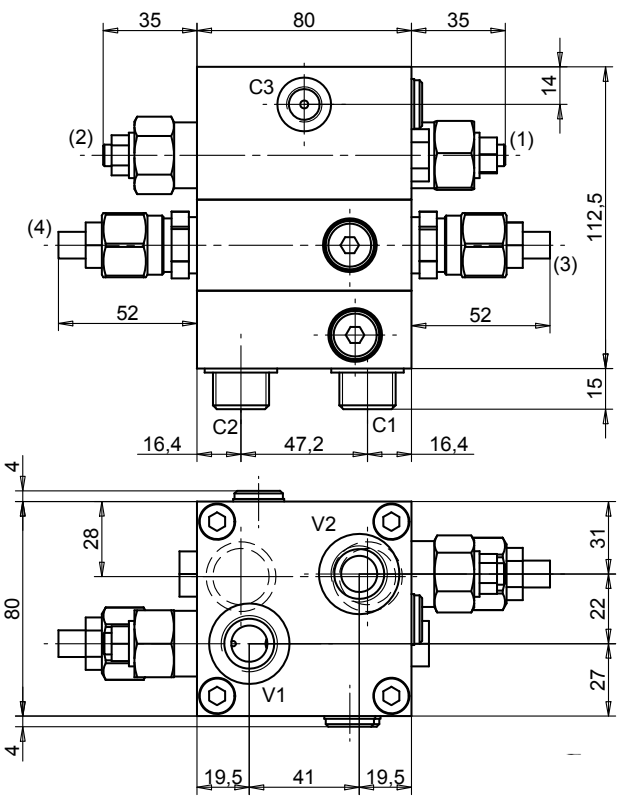
Max Flow	50 lpm
Max Pressure	250 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4
Std. Pressure range	100 - 350 bar

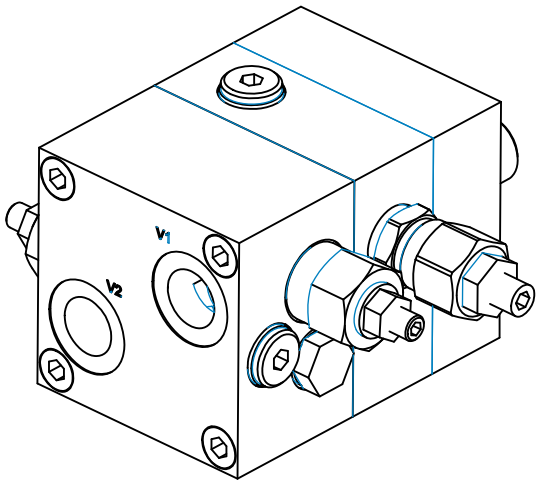
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

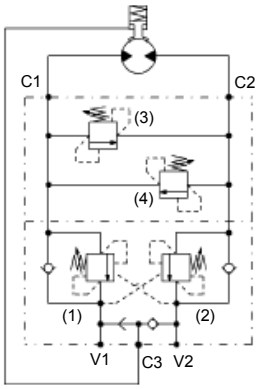
CBDLSFCHLH 03

Dimensions

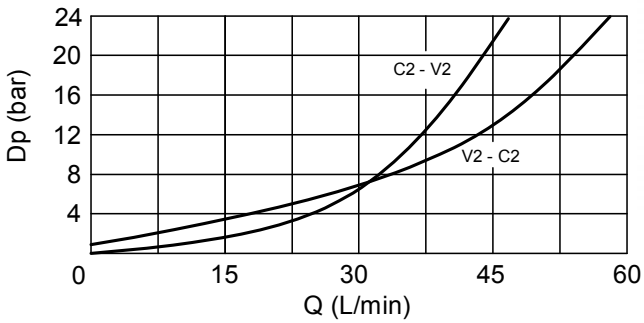




Hydraulic Symbol



Curves



Features

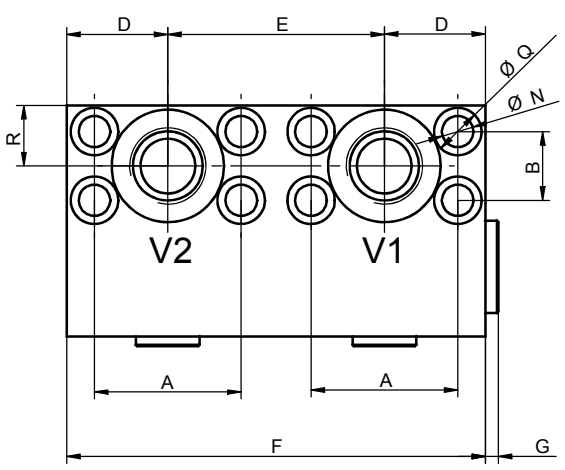
Max Flow	60 lpm
Max Pressure	250 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4
Std. Pressure range	100 - 350 bar

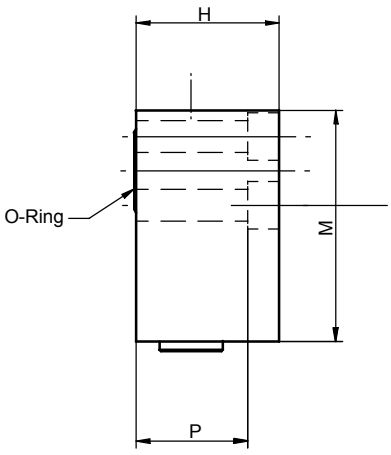
Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

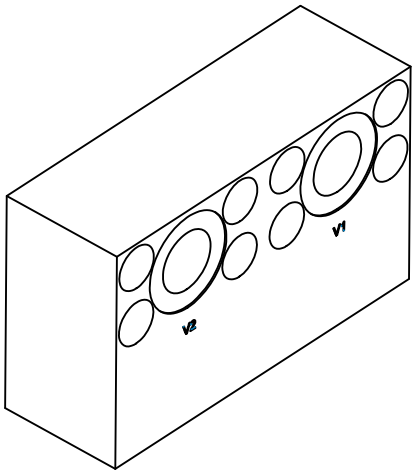
Ordering Code

CBDLSFDPCHLH 03

Dimensions

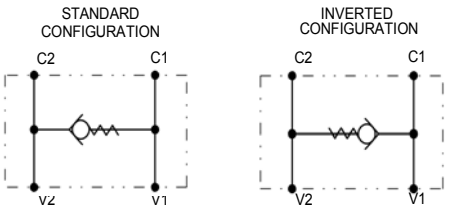






Size	V1-V2 BSP	A	B	C1-C2 Ø	D	E	F	G	H	M	N Ø	P	Q Ø	R	Weight kg
03	1/2	40,5	18,2	13,5	28	59	115	4,5	39,5	70	13,5	29,5	8,5	17	2,05
04	3/4	50,8	23,8	19	35	75	145	4,5	49,5	80	16,5	38,5	11	21	3,55
05	1	57,2	27,8	25	39,5	84	163	4,5	49,5	90	18,5	36	12,5	25	4,38
06	1	66,7	31,8	30	47,5	99	194	4,5	59,5	100	22	45,5	15	28	7,95

Hydraulic Symbol



Features

Size	03	04	05	06
Max Pressure (bar)	350	350	350	350
Max Flow (lpm)	120	170	250	320
V1 - V2 Ports (BSP)	1/2	3/4	1	1
C1 - C2 Ports (Ø mm)	13,5	19	25	30
Cracking Pressure (bar)	0,5	0,5	0,5	0,5

Materials: Zinc plated steel body.

Ordering Code

ACVSU	- -	-

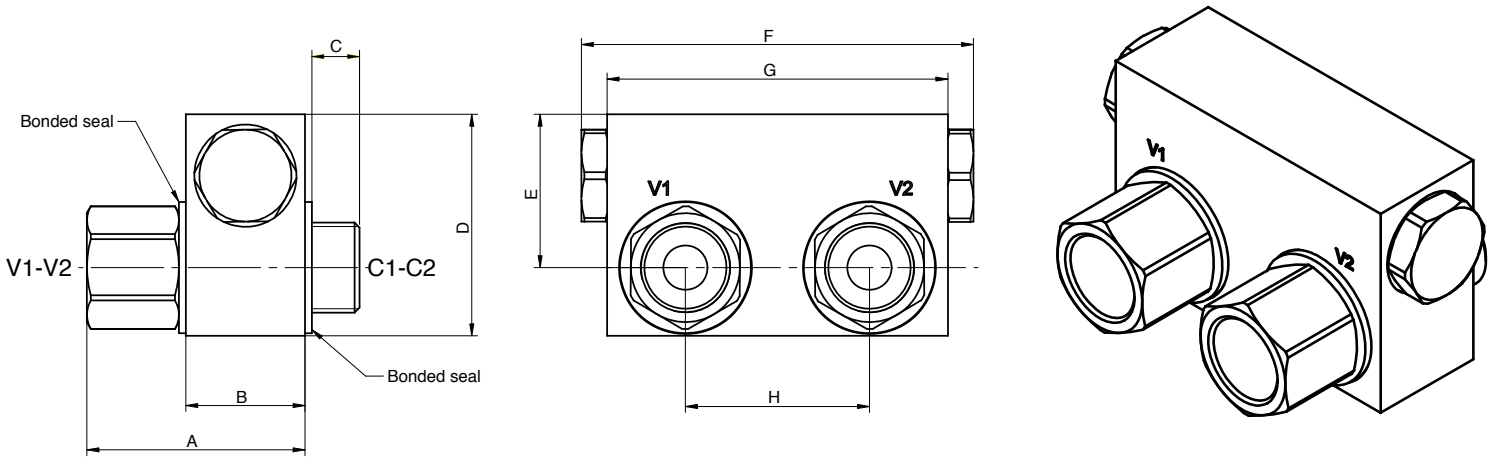
	V1-V2 Size (BSP)	C1-C2 Size (Ømm)
03	1/2	13,5
04	3/4	19
05	1	25
06	1	30

Configuration

	Standard configuration
R	Inverted configuration

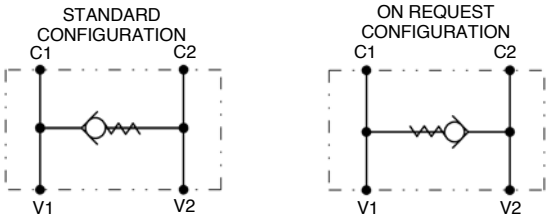
Ordering Code Example: **ACVSU04R** = 3/4 BSP (V1 - V2), Ø19 mm (C1 - C2), inverted configuration

Dimensions



Size	A	B	C	D	E	F	G	H	Weight kg
04	64	35	14	65	45	115	100	54	-
05	78	45	18	80	55	129	110	60	-

Hydraulic Symbol



Features

Size	04	05
Max Flow	120 lpm	150 lpm
Max Pressure	350 bar	350 bar
Port Sizes	V - C: G 3/4	V - C: G 1"

Materials: Zinc plated steel body.

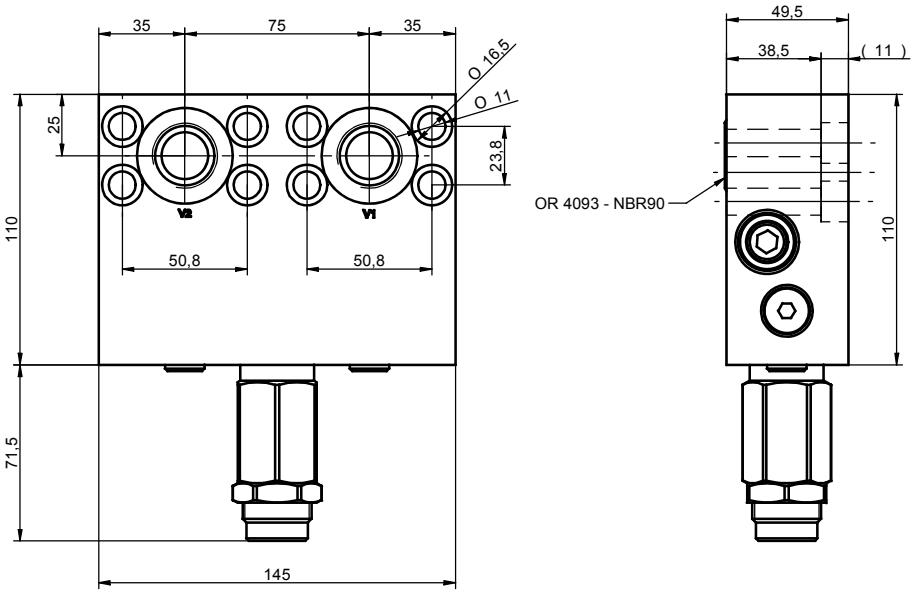
Ordering Code

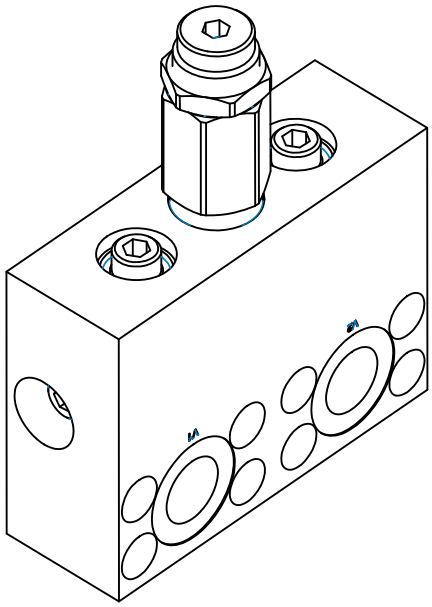
ACVSUBHL	- -

	Port Size BSP
04	3/4
05	1"

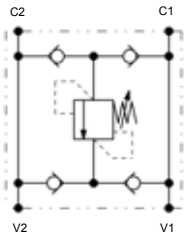
Ordering Code Example: ACVSUBHL04 = 3/4 Port Size

Dimensions

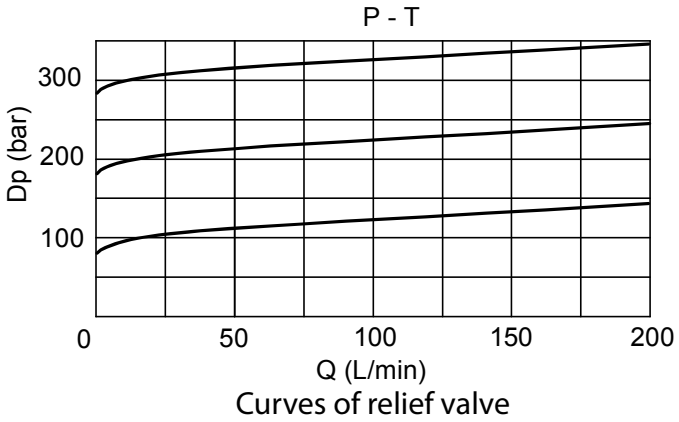




Hydraulic Symbol



Curves



Curves of relief valve

Features

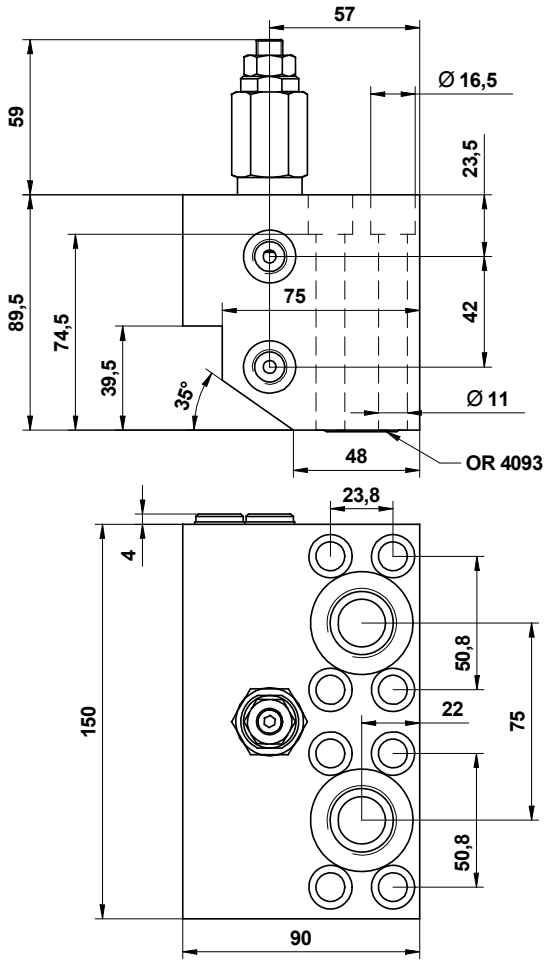
Max Flow	170 lpm
Max Pressure	350 bar
Relief Pressure Range	100 -350 bar
Ports	V1-V2: G 3/4 C1-C2: Ø 19 mm

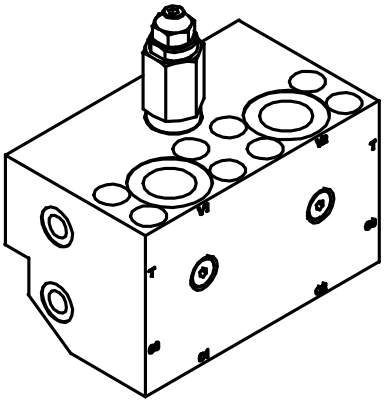
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

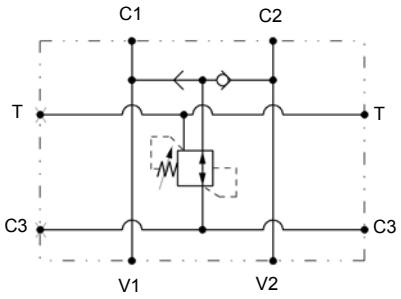
ACVDRSUA04

Dimensions





Hydraulic Symbol



Features

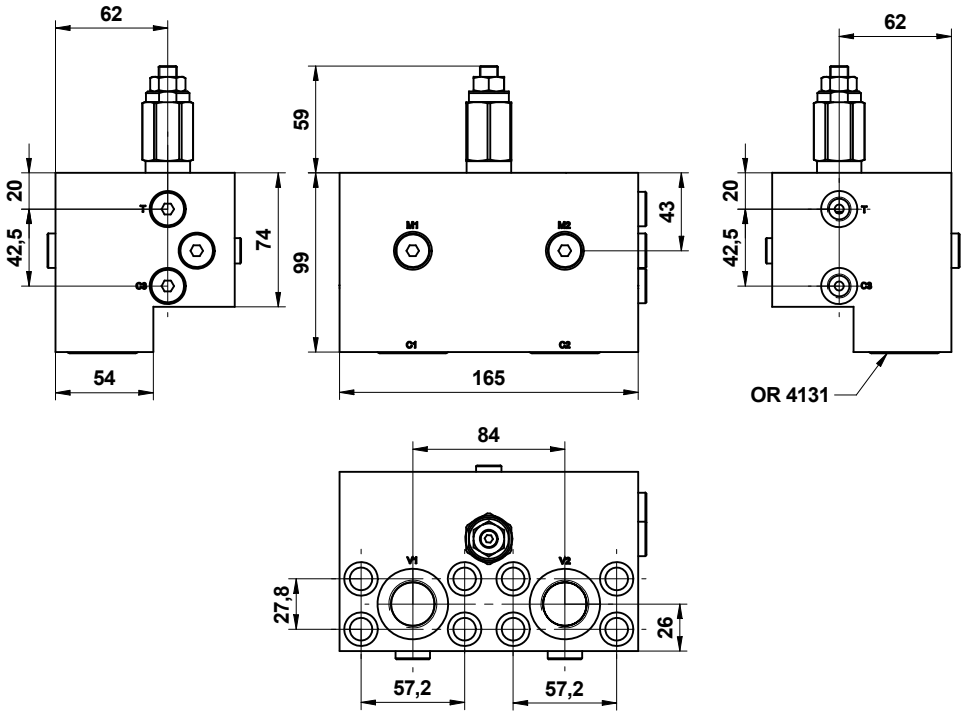
Brake pressure reduced range	20-140 bar
Port Sizes	V1 - V2: G 3/4 C1 - C2: 3/4" SAE 6000 C3 - T: G 1/4

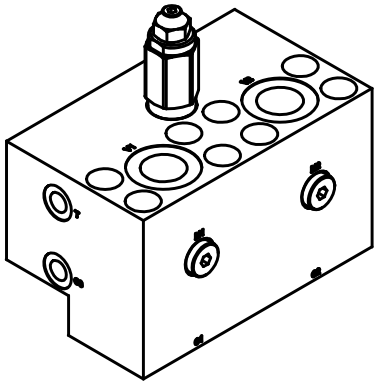
Materials: Aluminium body

Ordering Code

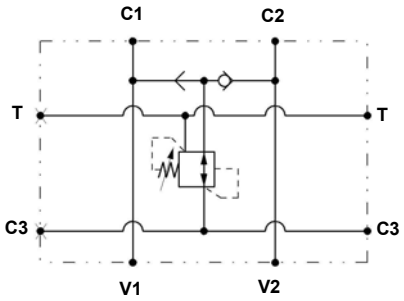
VPREDF04S04

Dimensions





Hydraulic Symbol



Features

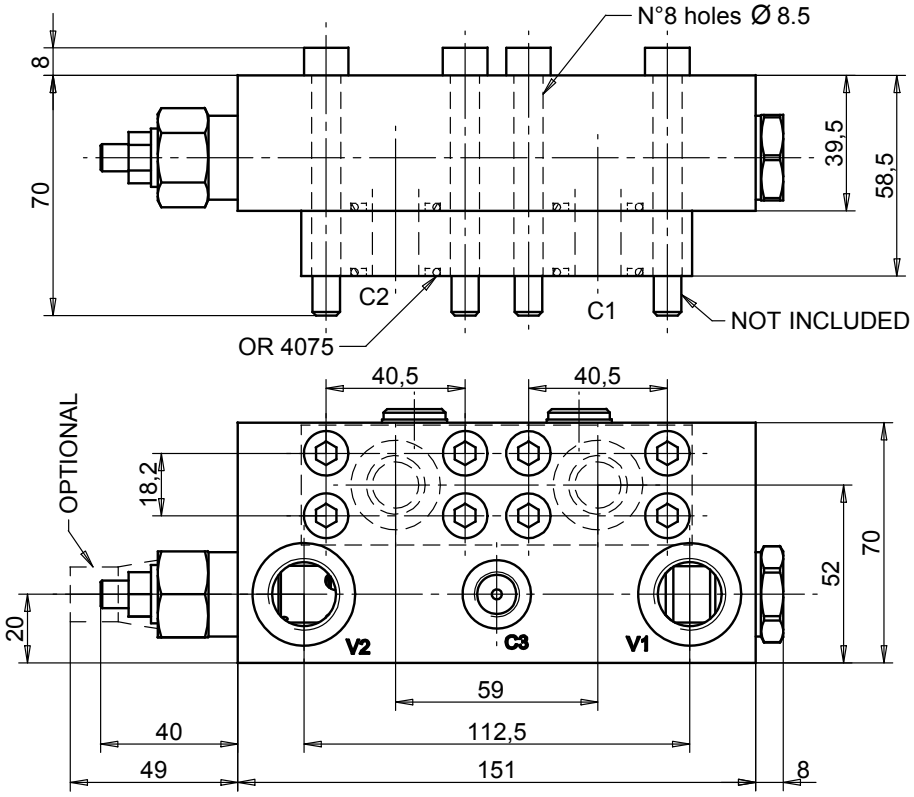
Brake pressure reduced range	20-140 bar
Standard setting	35 bar
Port Sizes	V1 - V2: G 3/4 C1 - C2: 1" SAE 6000 C3 - T - M1 - M2: G 1/4

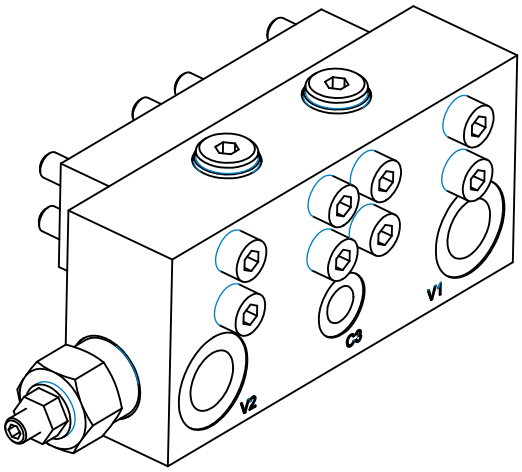
Materials: Aluminium body

Ordering Code

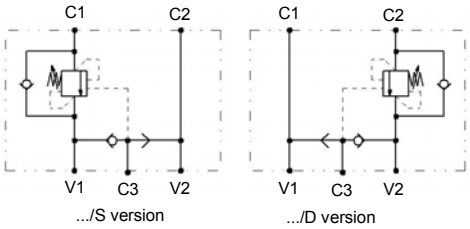
VPREDF05S04

Dimensions

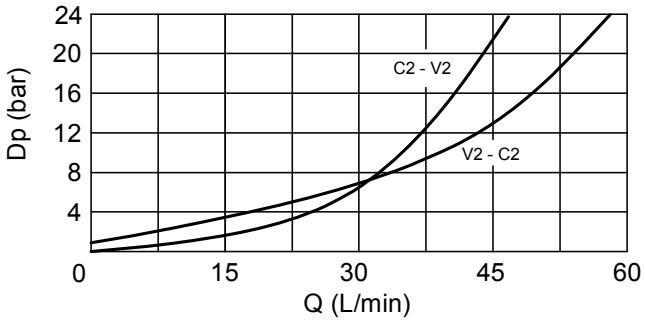




Hydraulic Symbol



Curves



Features

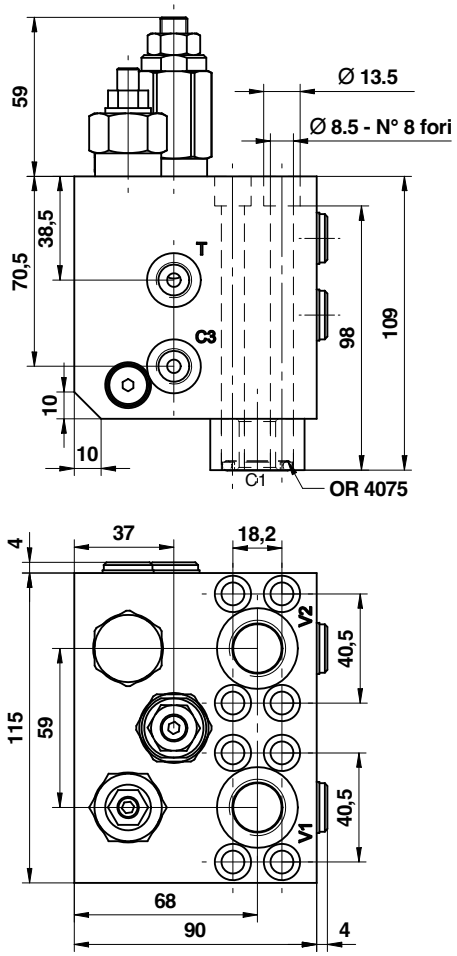
Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: 1/2 SAE 6000 C3: G 1/4
Std. Pressure range	100 - 350 bar

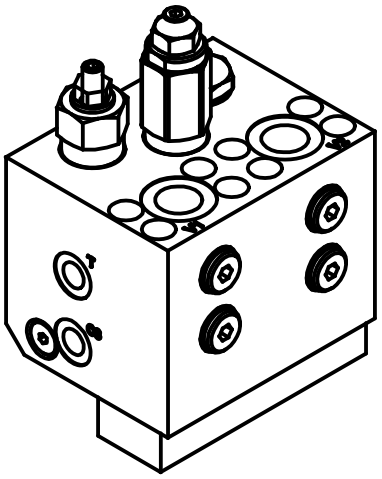
Materials: Zinc plated steel cartridge, hardened steel inner parts.
Zinc plated steel manifold.

Ordering Code

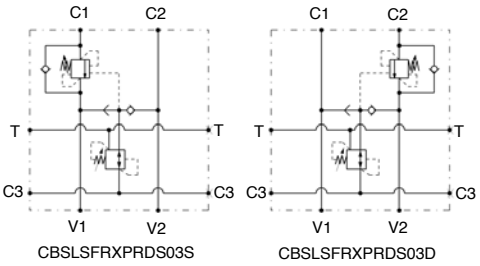
CBSLSFRXS03

Dimensions

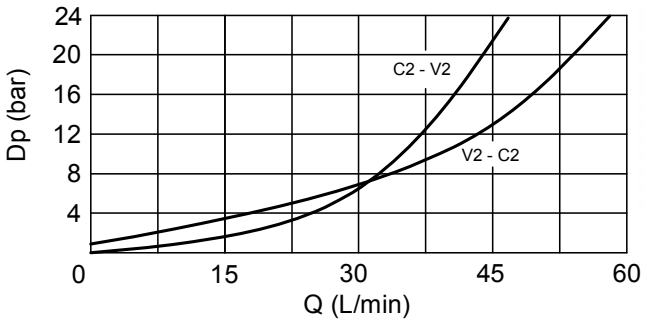




Hydraulic Symbol



Curves



Features

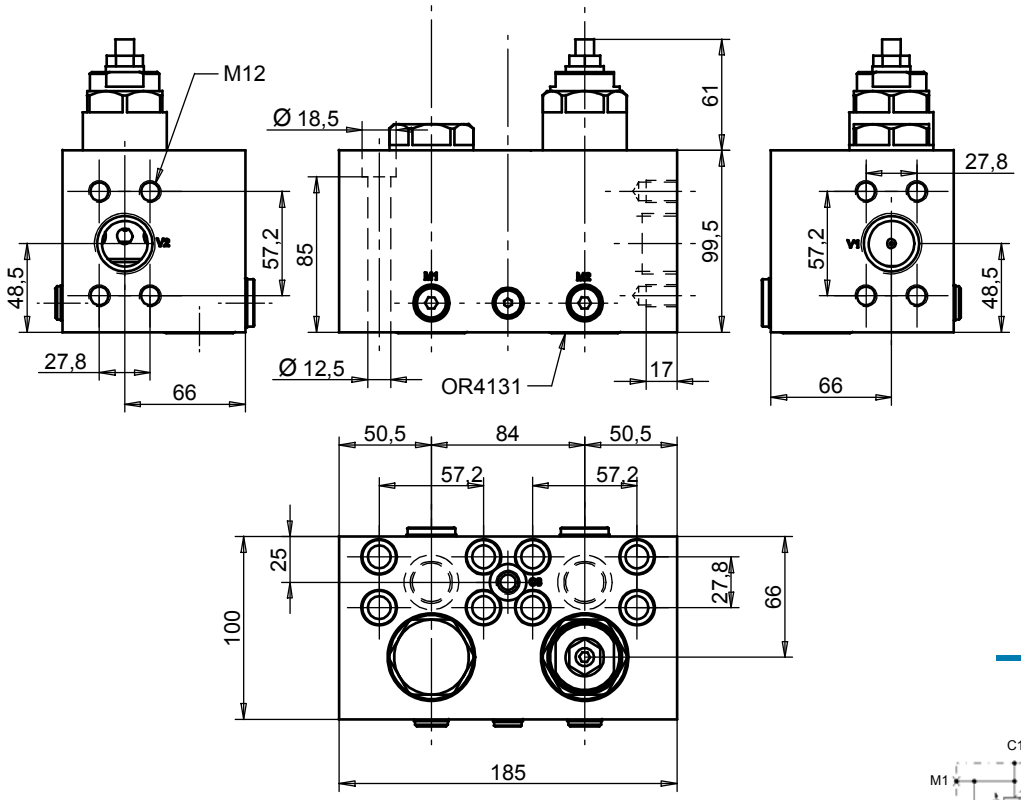
Flow max	60 lpm
Pressure max	280 bar (350 bar with steel body)
Overcentre pressure range	100-350 bar
Pilot Ratio	4,2:1
Brake pressure reduced range	20-140 bar
Port Sizes	V1 - V2: G 1/2 C1 - C2: 1/2" SAE 6000 C3 - T: G 1/4

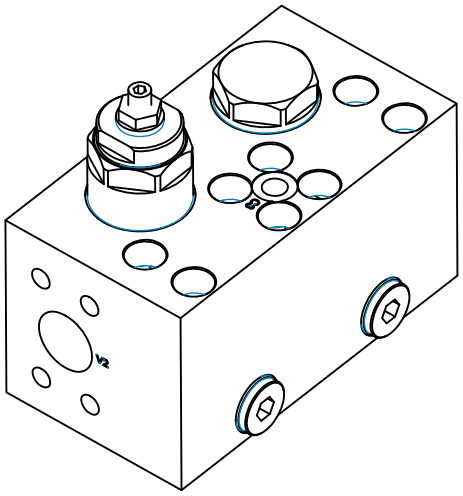
Materials: Zinc plated steel manifold

Ordering Code

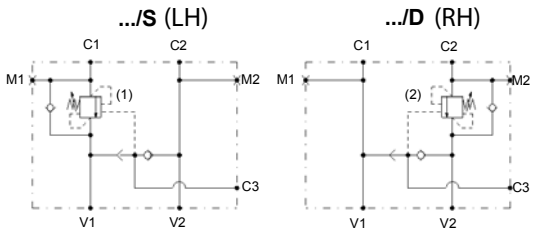
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Dimensions

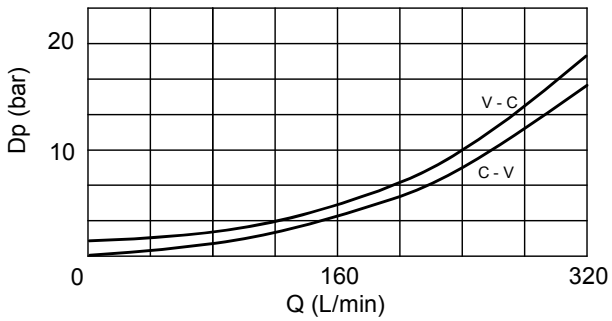




Hydraulic Symbol



Curves



Features

Max Flow	320 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	140-350 bar
Ports	V1-V2: 1" SAE 6000 C1-C2: 1" SAE 6000 C3-M1-M2: G 1/4

Materials: Zinc plated steel body

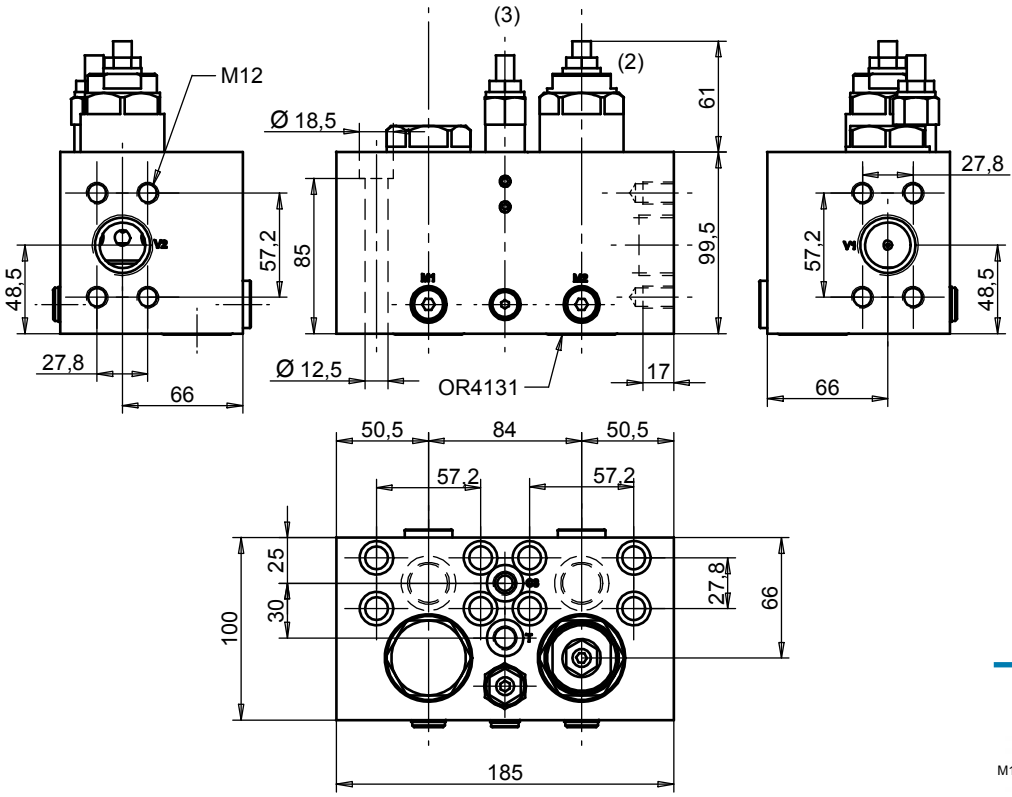
Ordering Code

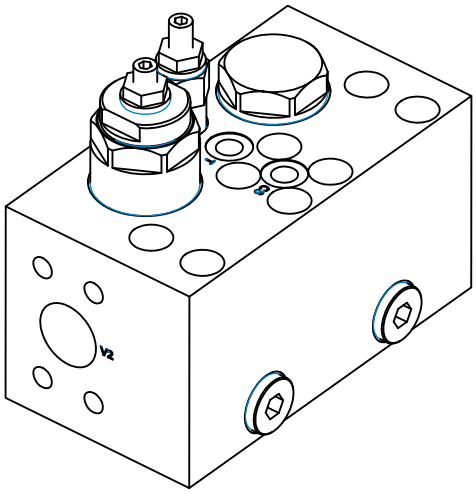
CBCE300SLSFRX 05	-

Valve side	
D	Right hand side
S	Left hand side

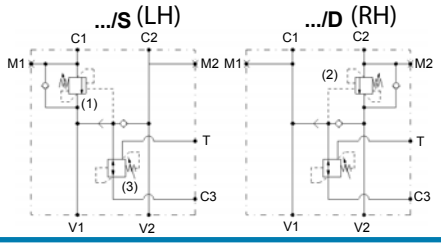
Ordering Code Example: **CBCE300SLSFRX05S** - 140-350 bar setting range - Left hand side.

Dimensions

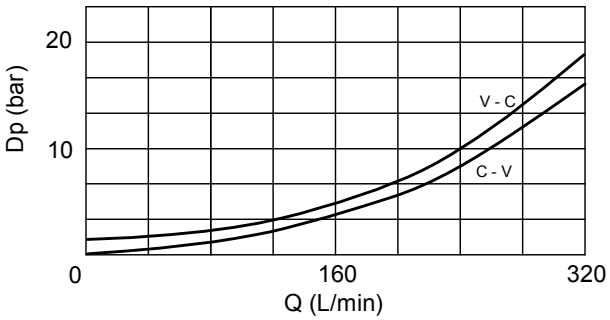




Hydraulic Symbol



Curves



Features

Max Flow	320 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	(2):140-350 bar / (3):10-100 bar
Ports	V1-V2: 1" SAE 6000 C1-C2: 1" SAE 6000 C3-T-M1-M2: G 1/4

Materials: Zinc plated steel body.

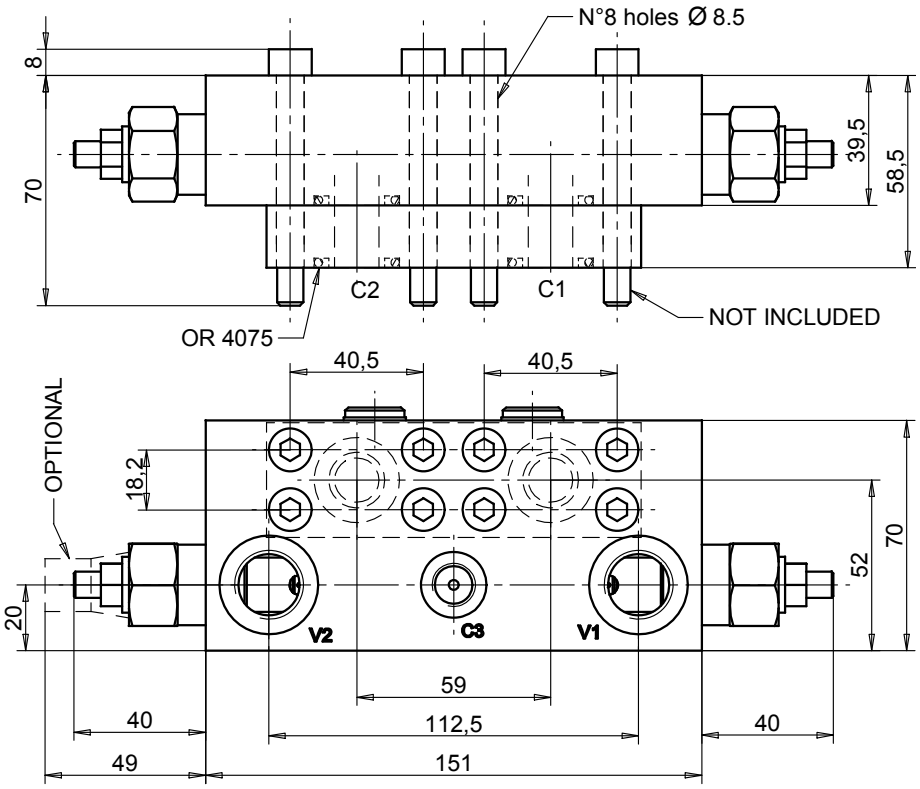
Ordering Code

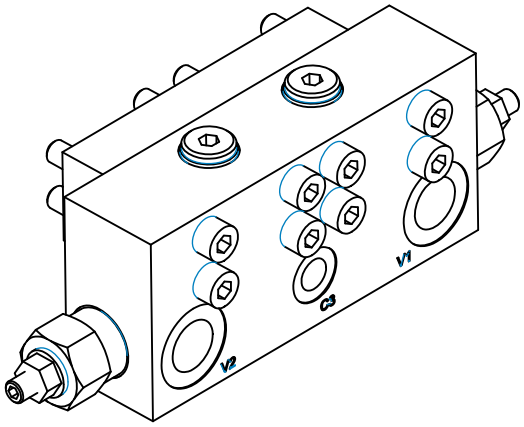
CBCE300SLSFPRDRX 05	-

Valve side	
D	Right hand side
S	Left hand side

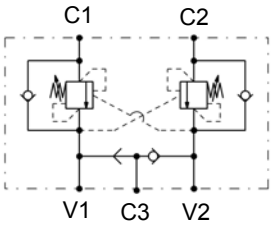
Ordering Code Example: **CBCE300SLSFPRDRXD05D** - Right hand side.

Dimensions

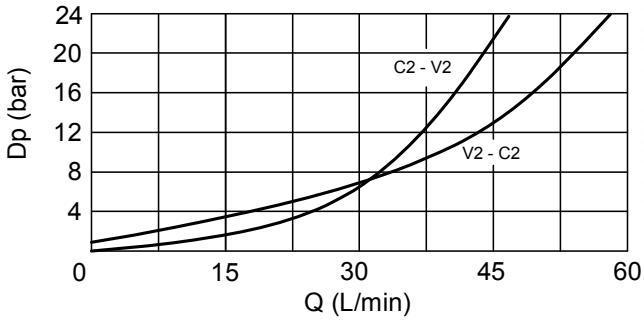




Hydraulic Symbol



Curves



Materials: Zinc plated steel cartridge, hardened steel inner parts.
Zinc plated steel manifold.

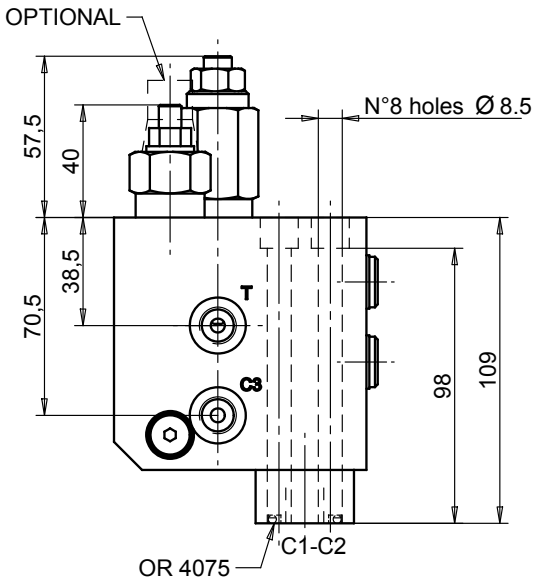
Features

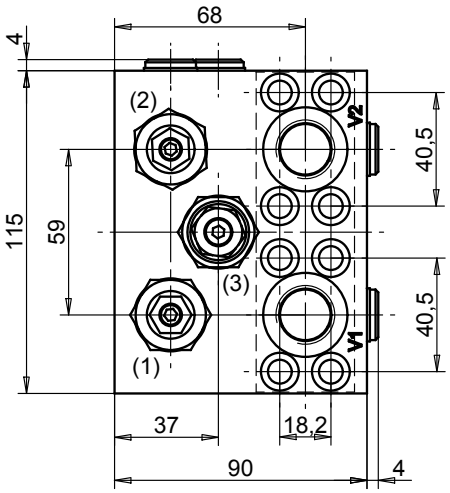
Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: 1/2 SAE 6000 C3: G 1/4
Std. Pressure range	100 - 350 bar

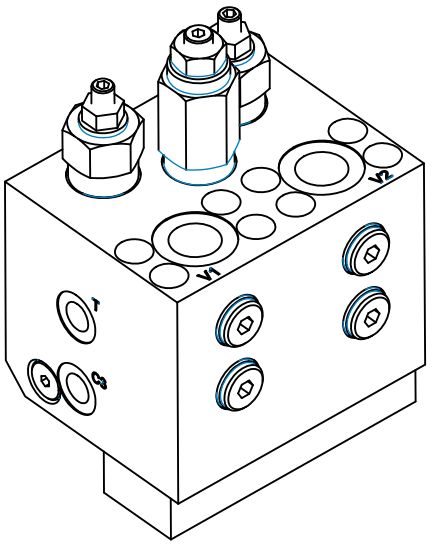
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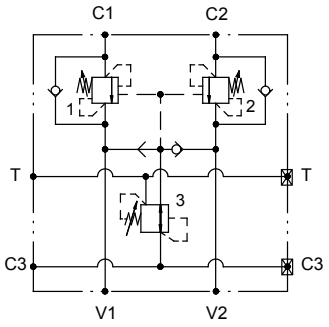
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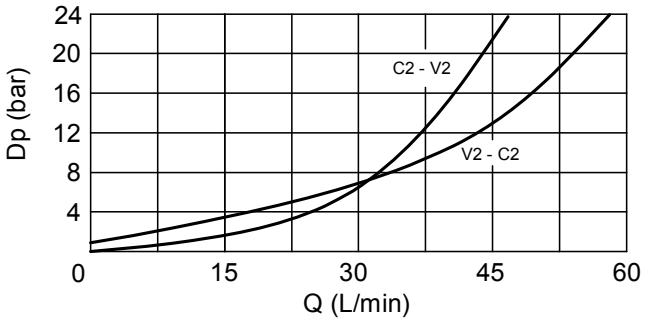




Hydraulic Symbol



Curves



Materials: Zinc plated steel manifold.

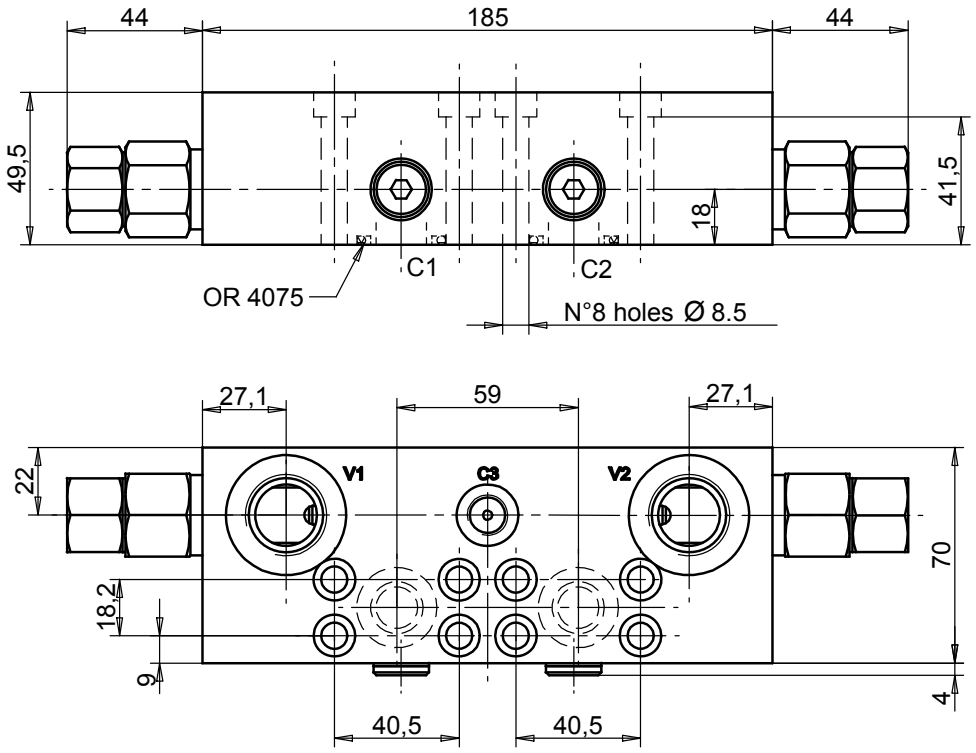
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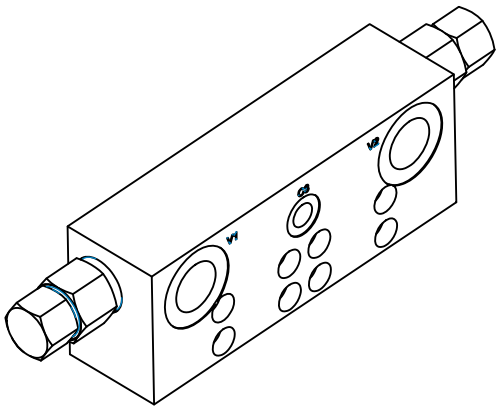
Max Flow	60 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: 1/2 SAE 6000 C3-T: G 1/4
Std. Pressure range	100 - 350 bar

Ordering Code

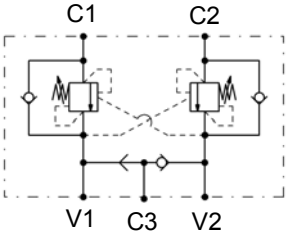
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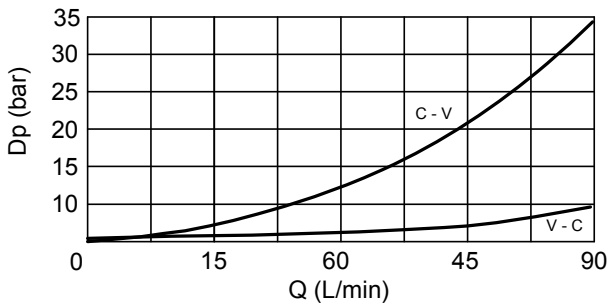




Hydraulic Symbol



Curves



Features

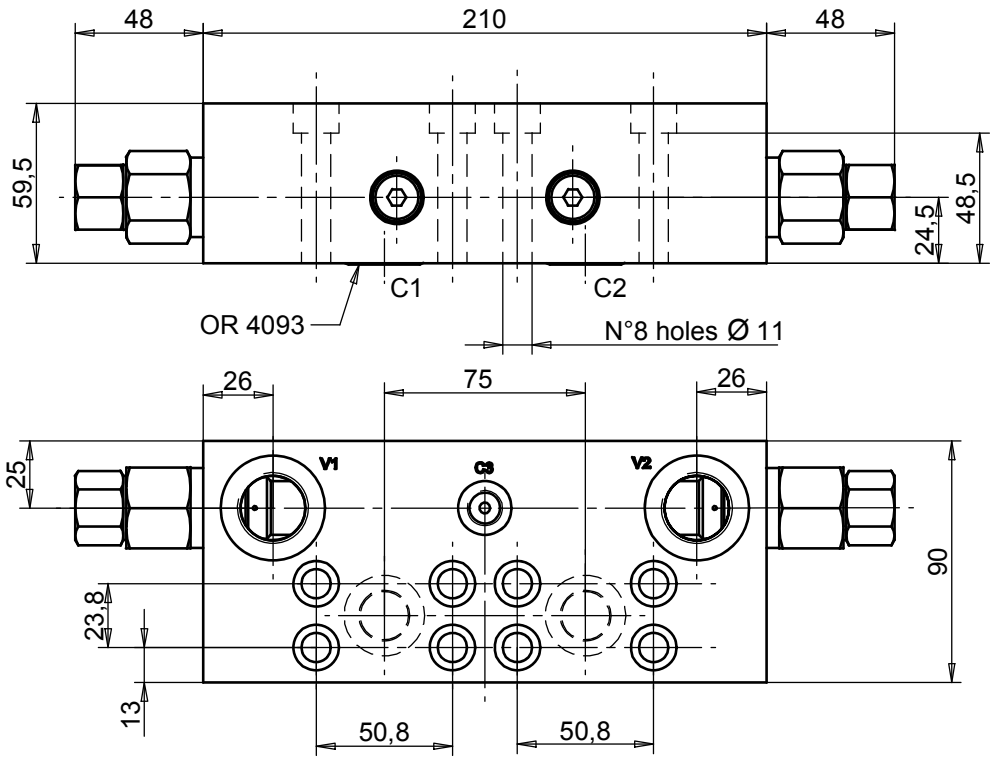
Max Flow	90 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 3/4 C1-C2: 1/2 SAE 6000 C3: G 1/4
Std. Pressure range	100 - 350 bar

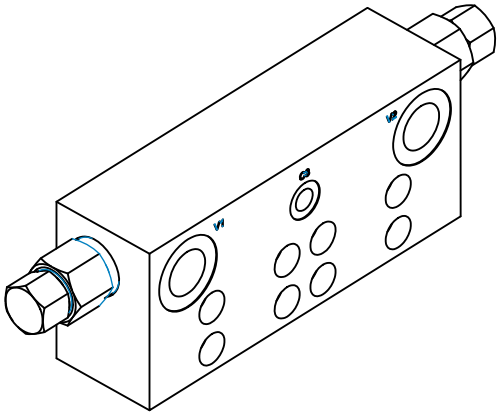
Materials: Zinc plated steel manifold.

Ordering Code

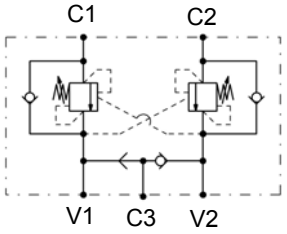
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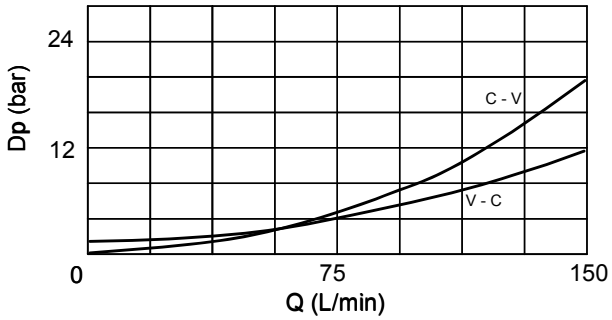




Hydraulic Symbol



Curves



Features

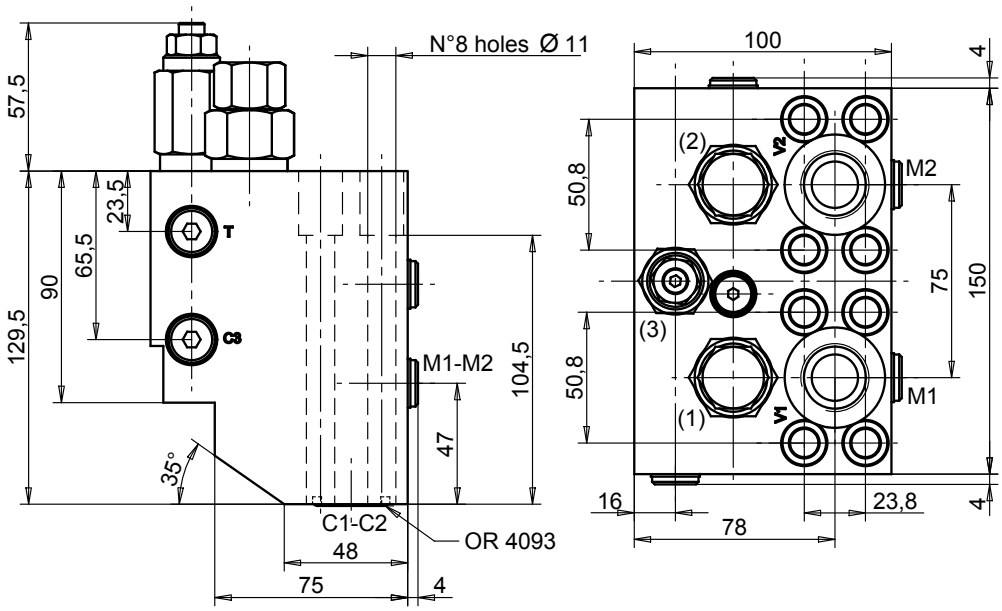
Max Flow	120 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Ports	V1-V2: G 3/4 C1-C2: 3/4 SAE 6000 C3: G 1/4

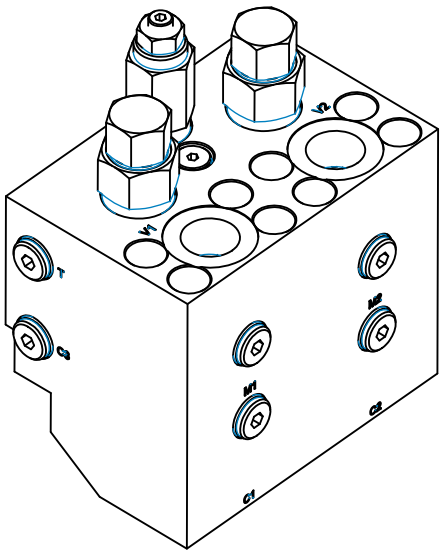
Materials: Aluminium body.

Ordering Code

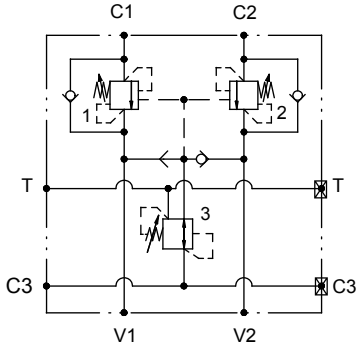
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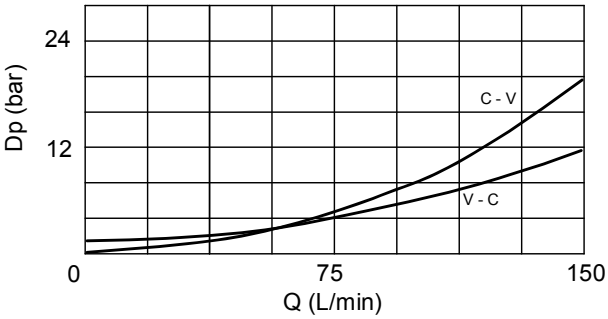




Hydraulic Symbol



Curves



Features

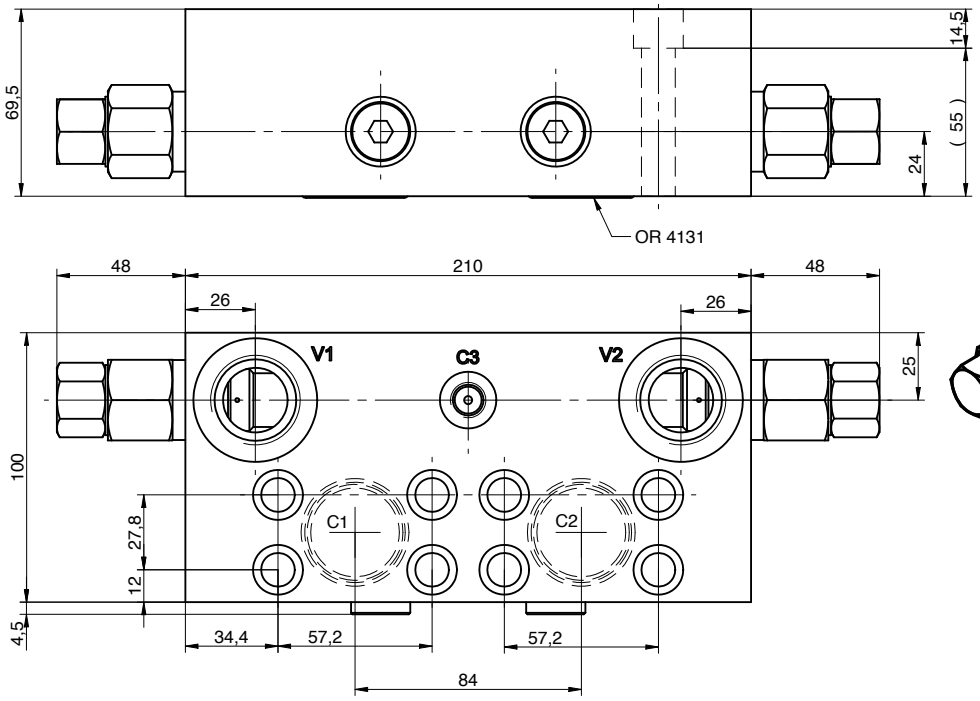
Max Flow	170 lpm
Max Pressure	410 bar
Pilot Ratio	4:1
Ports	V1-V2: G 3/4 C1-C2: 3/4 SAE 6000 C3-T: G 1/4
Std. Pressure range	(1)-(2)100 - 350 bar (3) 10-140 bar

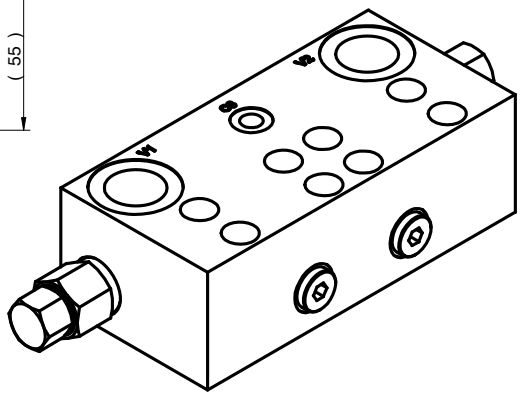
Materials: Aluminium body.

Ordering Code

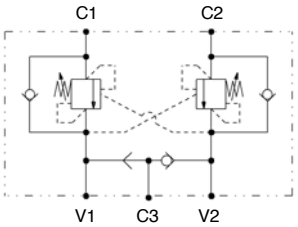
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Dimensions

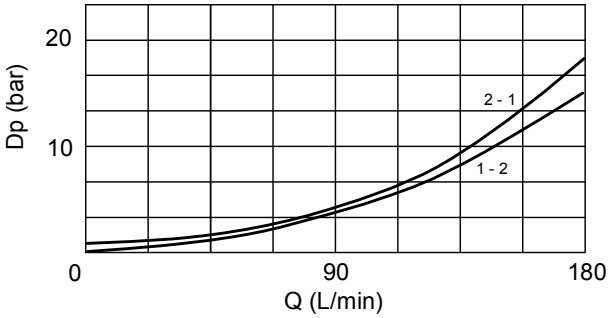




Hydraulic Symbol



Curves



Features

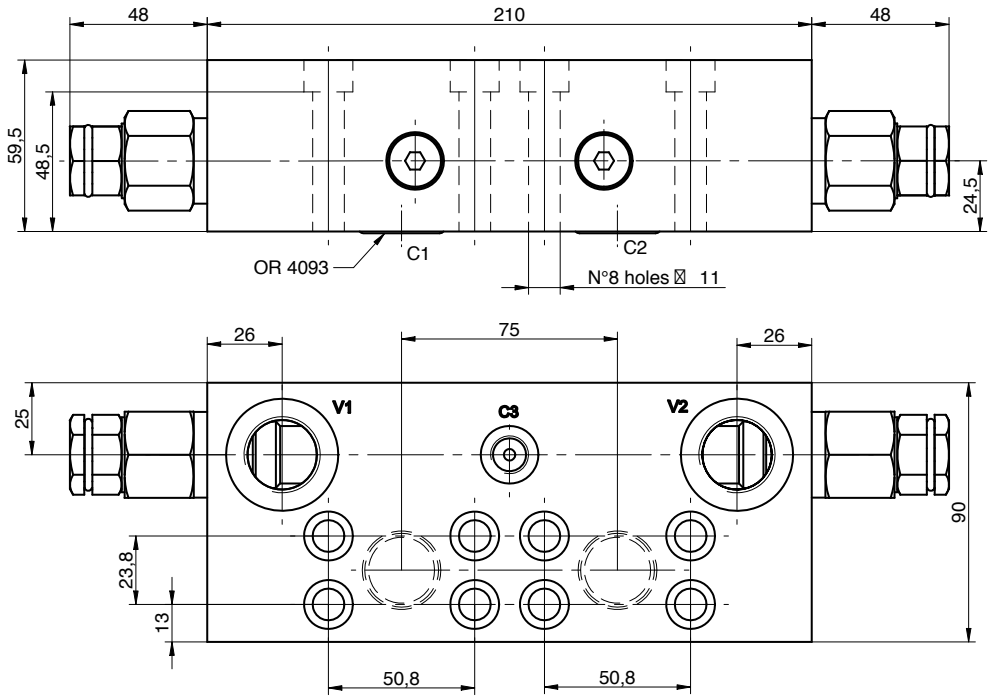
Max flow	180 lpm
Max pressure	350 bar
Pilot ratio	4:1
Port Sizes	V1 - V2: G 1 C1 - C2: Ø 20 C3: G 1/4

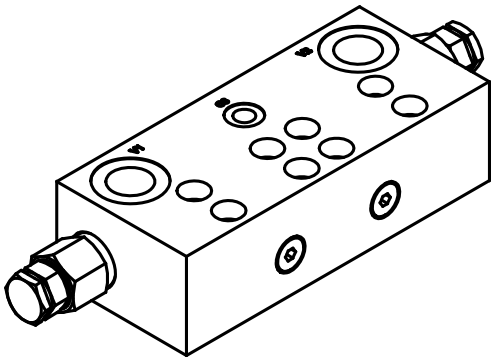
Materials: Aluminium body

Ordering Code

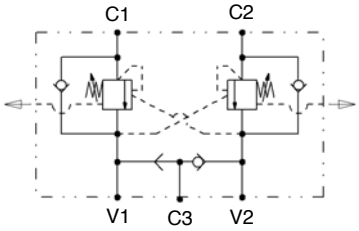
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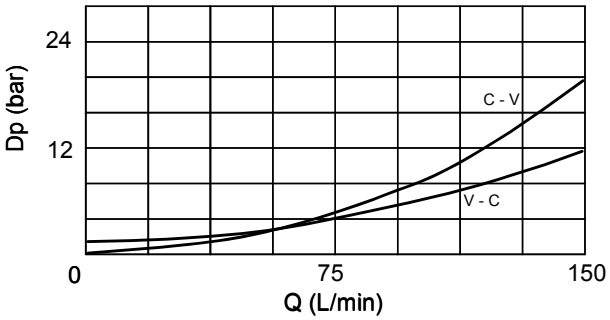




Hydraulic Symbol



Curves



Features

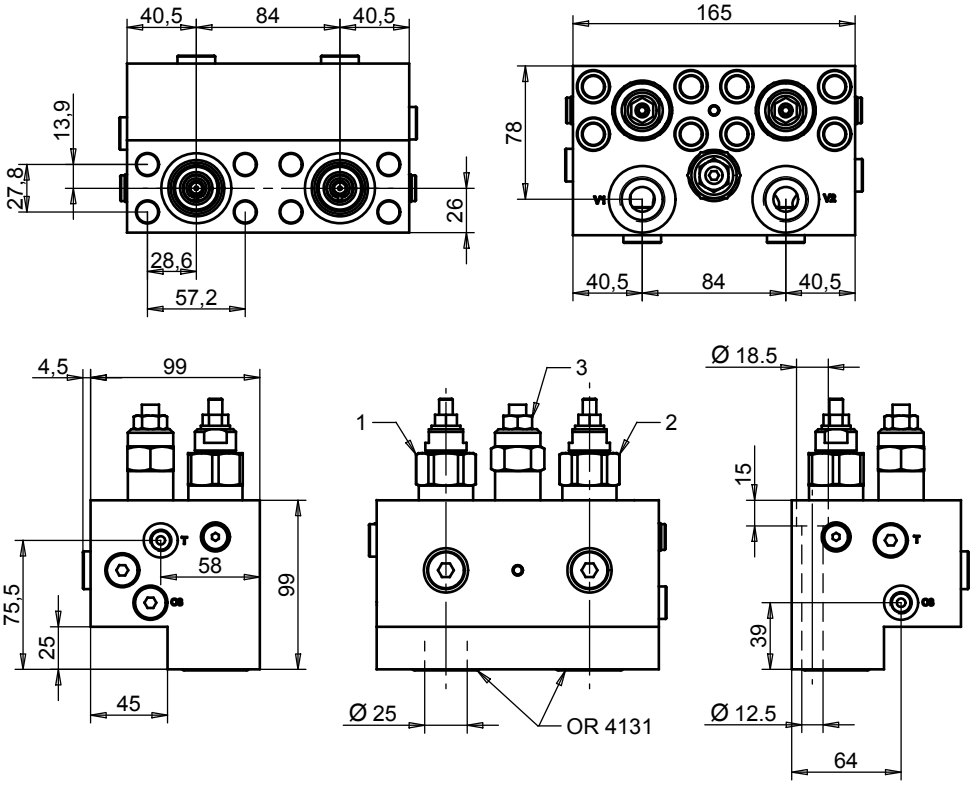
Max flow	120 lpm
Max pressure	350 bar
Pilot ratio	4:1
Port Sizes	V1 - V2: G 3/4 C1 - C2: 3/4 SAE 6000 C3: G 1/4

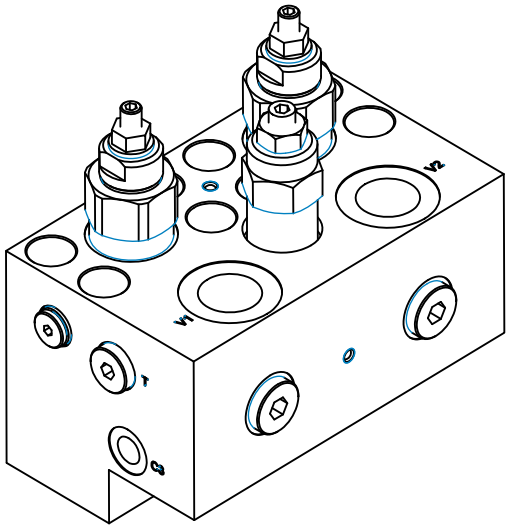
Materials: Aluminium body

Ordering Code

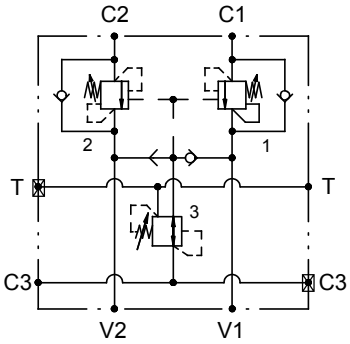
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Dimensions

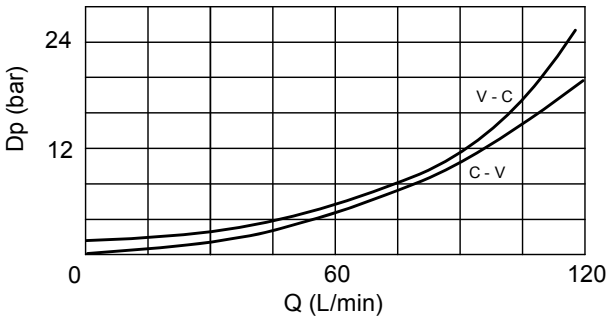




Hydraulic Symbol



Curves



Features

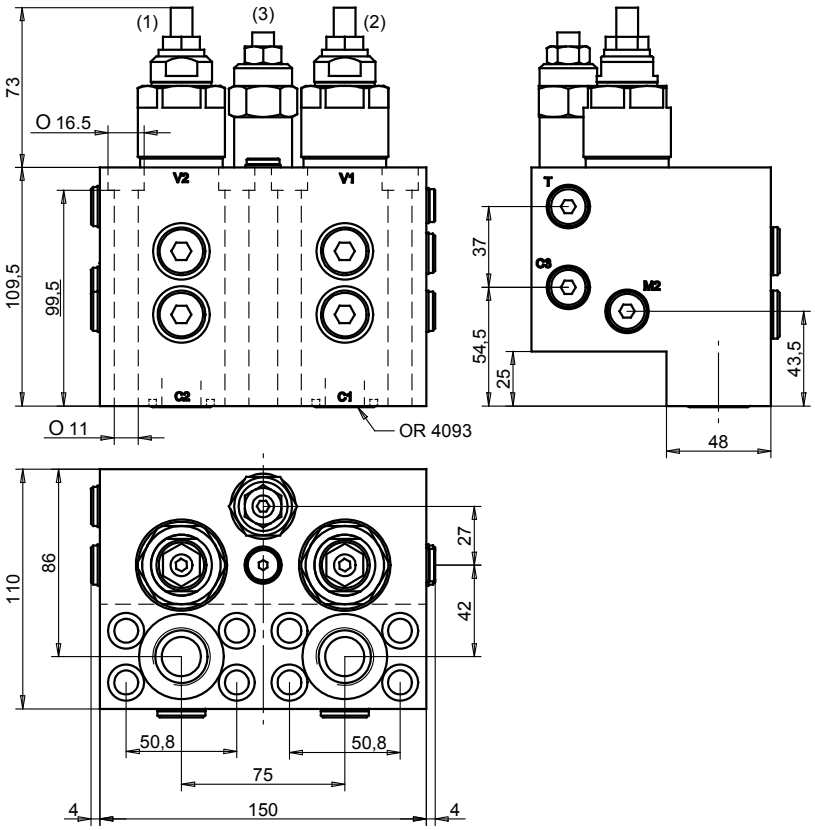
Max Flow	120 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	(1)-(2):140-350 bar / (3):10-100 bar
Ports	V1-V2: G 3/4 C1-C2: 1" SAE 6000 C3-T: G 1/4

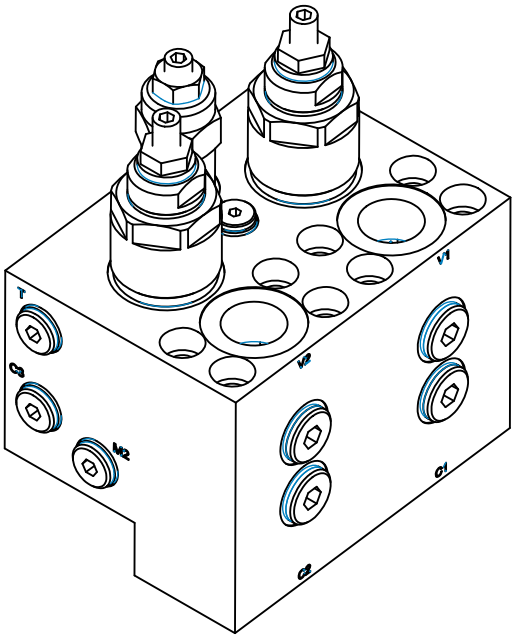
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

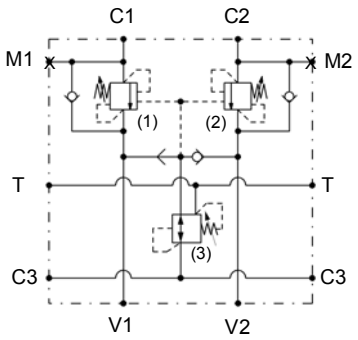
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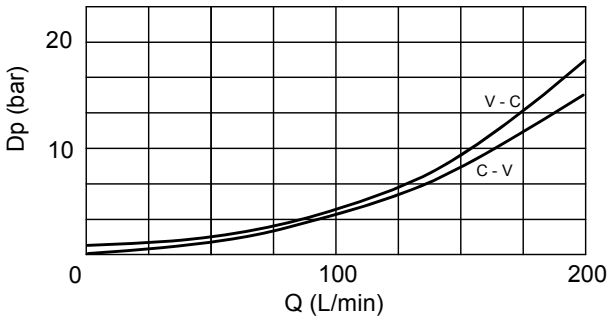




Hydraulic Symbol



Curves



Features

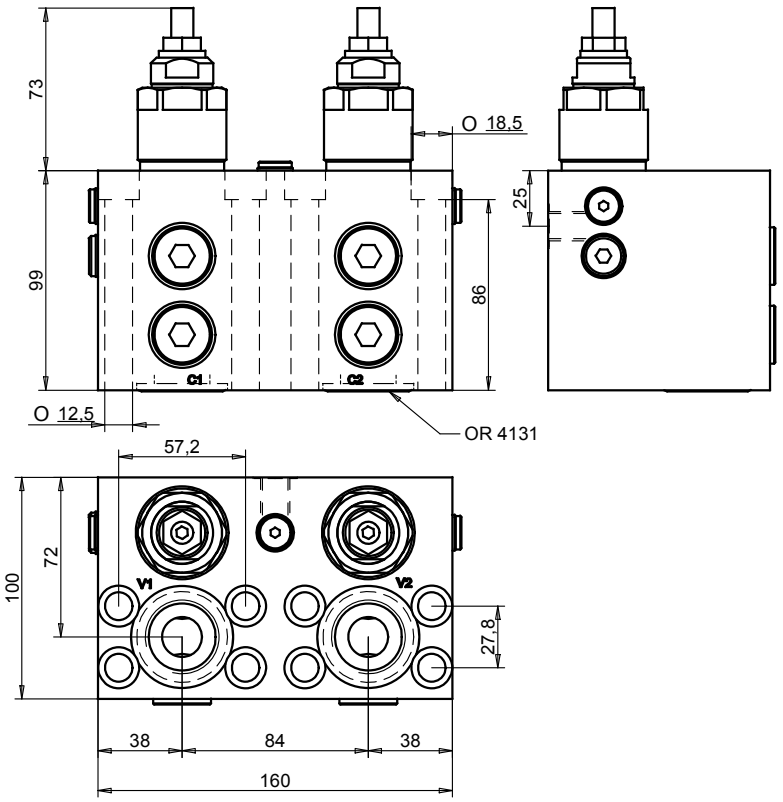
Max Flow	200 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	(1)-(2):140-350 bar / (3):10-50 bar
Ports	V1-V2: G 3/4 C1-C2: 3/4" SAE 6000 C3-T-M1-M2: G 1/4

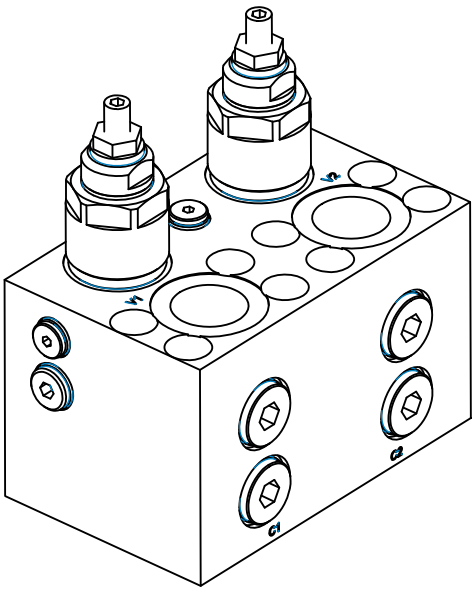
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

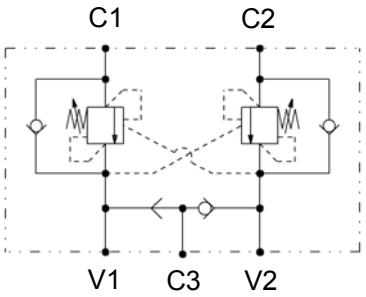
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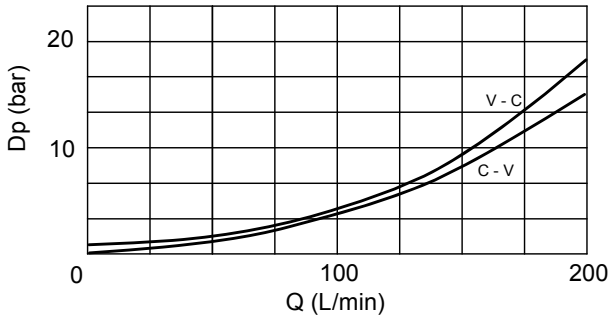




Hydraulic Symbol



Curves



Features

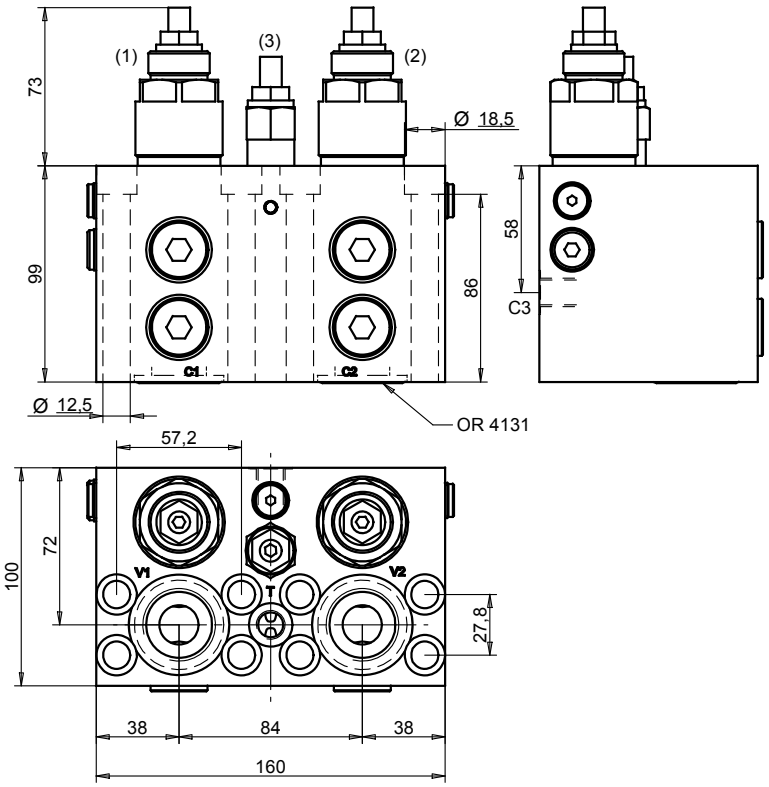
Max Flow	200 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	140-350 bar
Ports	V1-V2: G 1 C1-C2: 1" SAE 6000 C3: G 1/4

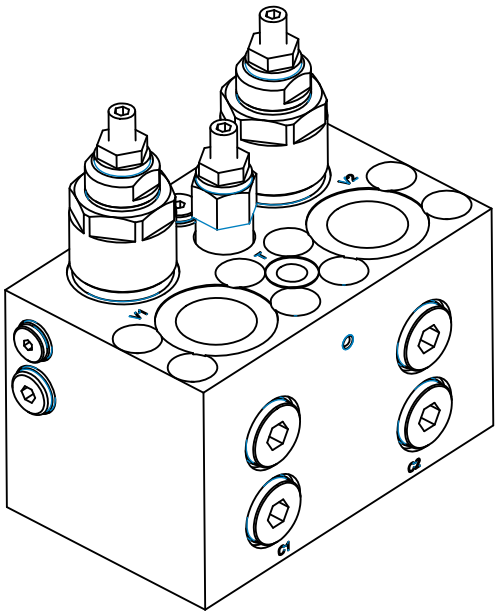
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

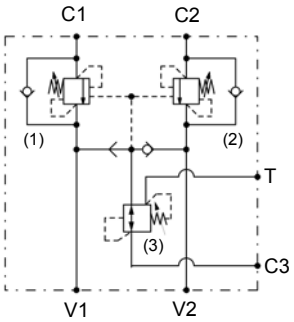
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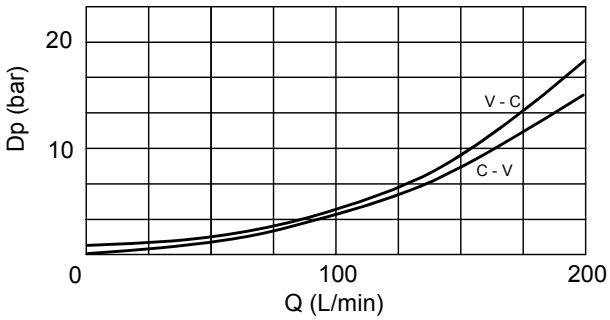




Hydraulic Symbol



Curves



Features

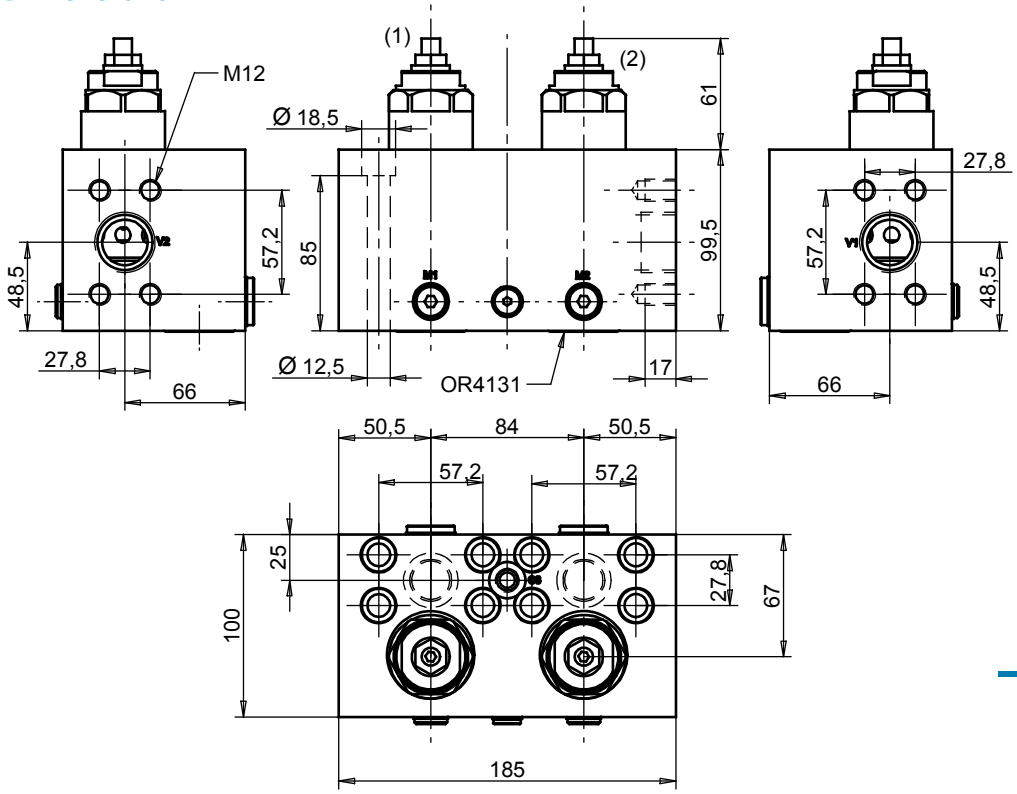
Max Flow	200 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	1-2:140-350 bar / 3:10-100 bar
Ports	V1-V2: G 1 C1-C2: 1" SAE 6000 C3-T: G 1/4

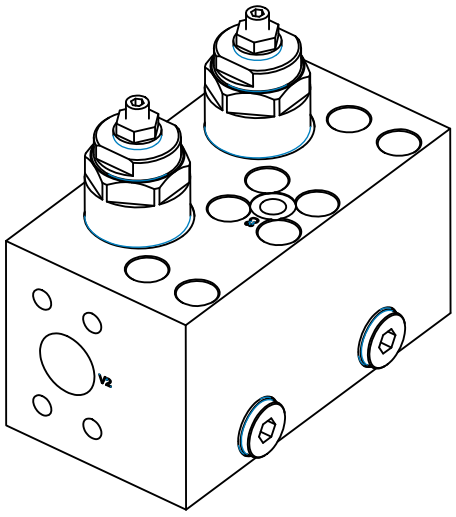
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

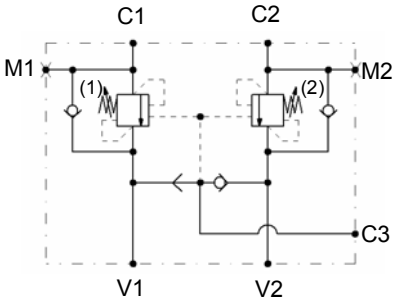
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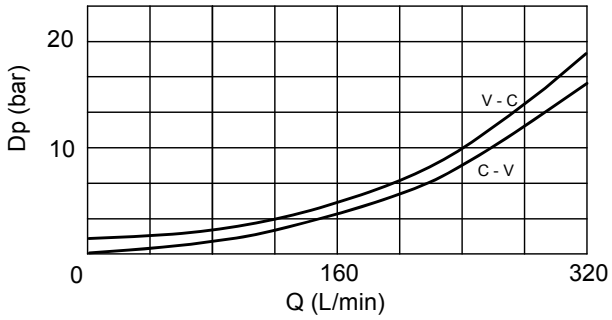




Hydraulic Symbol



Curves



Features

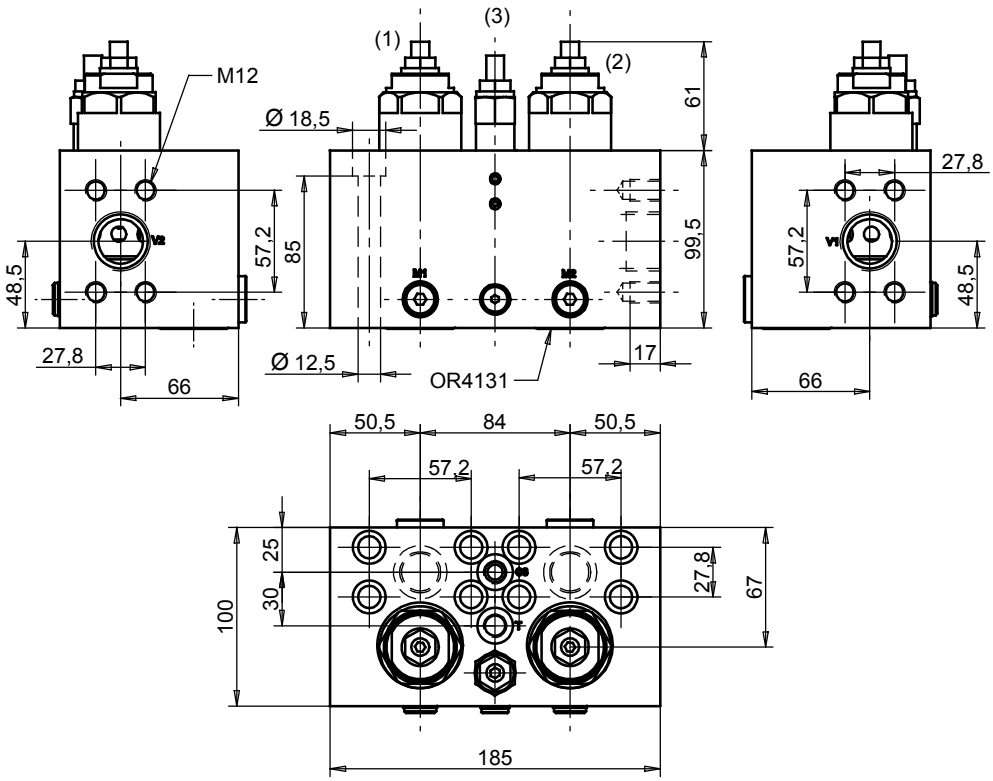
Max Flow	320 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	140-350 bar
Ports	V1-V2: 1" SAE 6000 C1-C2: 1" SAE 6000 C3-M1-M2: G 1/4

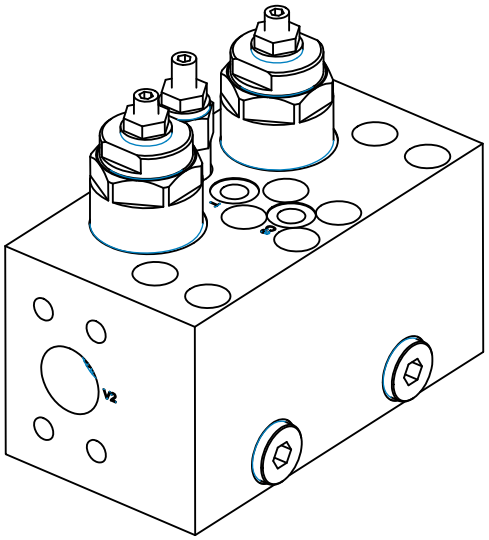
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

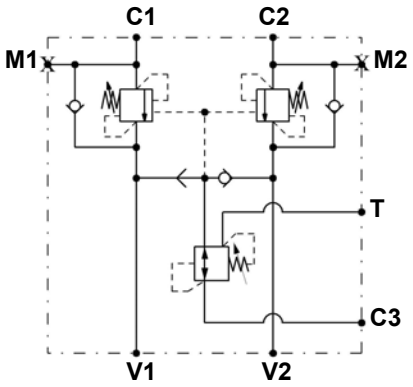
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Dimensions

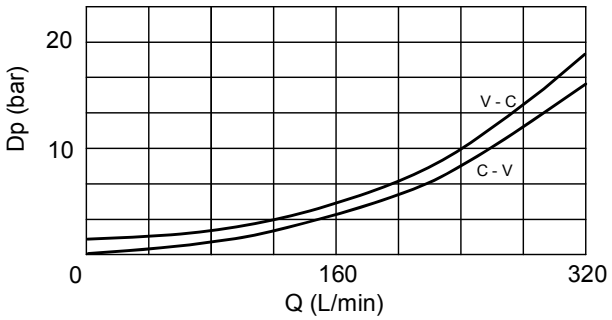




Hydraulic Symbol



Curves



Features

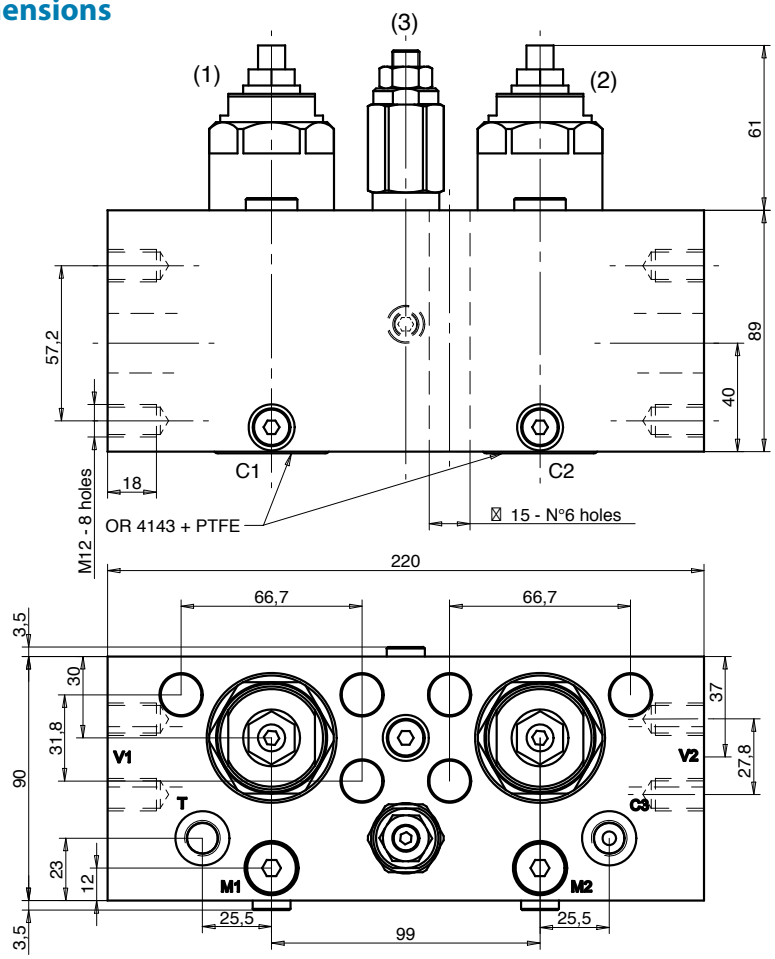
Max Flow	320 lpm
Max Pressure	350 bar
Pilot Ratio	4:1
Std. Pressure range	(1)-(2):140-350 bar / (3):10-100 bar
Ports	V1-V2: 1" SAE 6000 C1-C2: 1" SAE 6000 C3-T-M1-M2: G 1/4

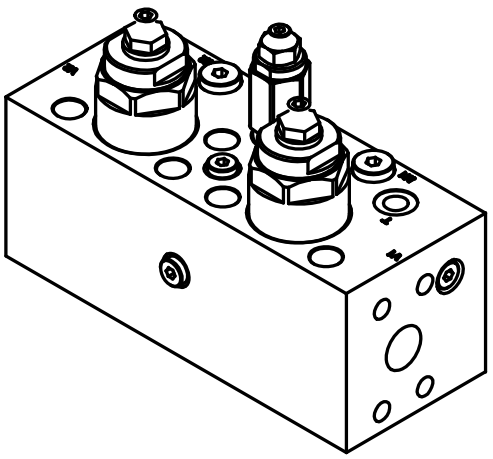
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

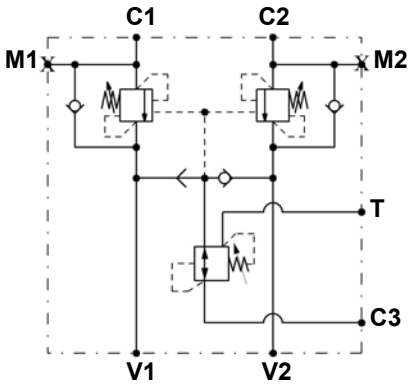
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Dimensions

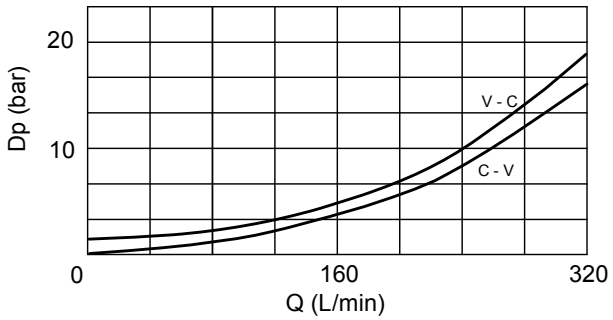




Hydraulic Symbol



Curves



Features

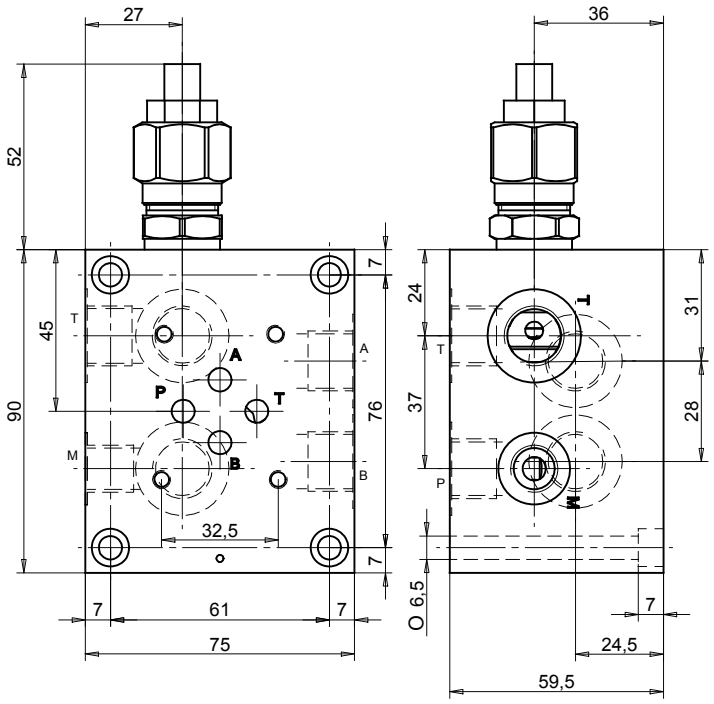
Max flow	320 lpm
Max pressure	350 bar
Pressure range	(1) - (2): 140 - 350 bar (3): 10 - 140 bar
Pilot Ratio	4:1
Port Sizes	V1 - V2: 1" SAE 6000 C1 - C2: 1" 1/4 SAE 6000 C3 - T - M1 - M2: G 1/4

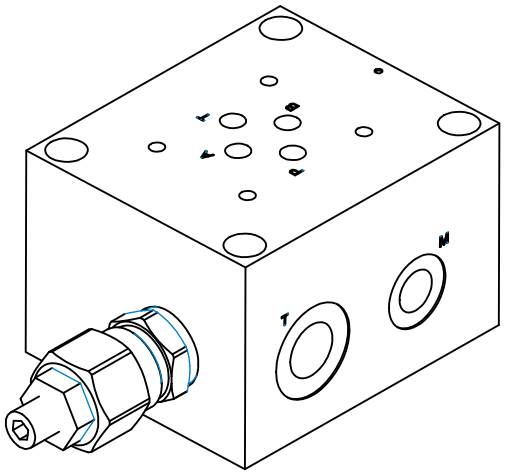
Materials: Zinc plated steel manifold.

Ordering Code

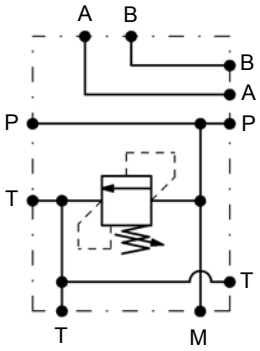
CBCE300DLSFPRDRX06

Dimensions

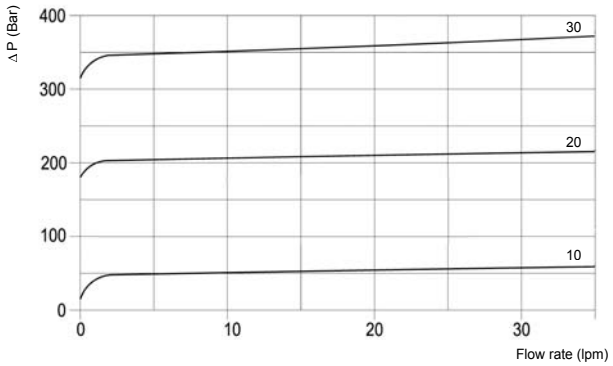




Hydraulic Symbol



Curves



Features

Max Flow	50 lpm
Max Pressure	210 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

PRNG6	- -	-

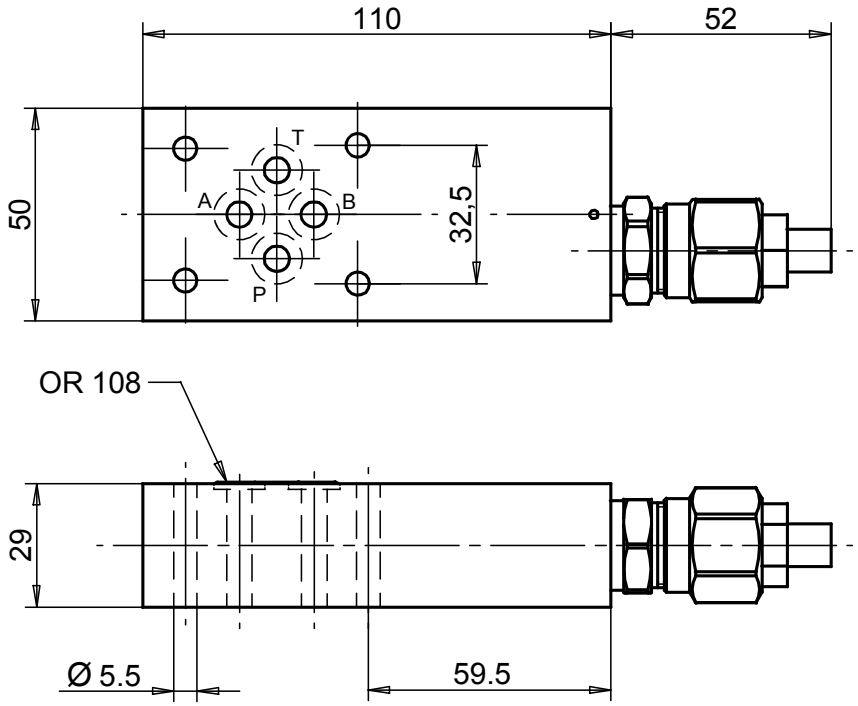
	Spring (bar)
10	5-50
20	40-210
30	100-350

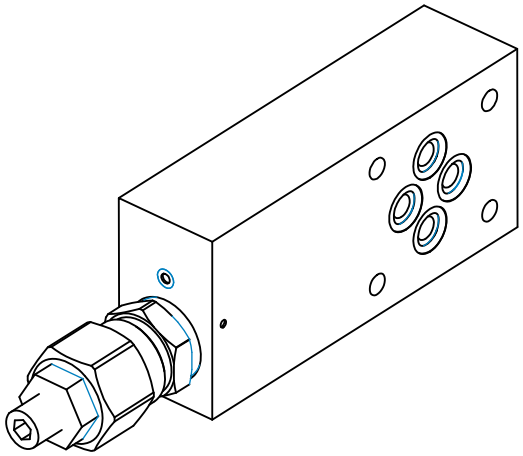
Adjustments

A		Socket Screw
B		Handknob
C		Tamperproof Cap

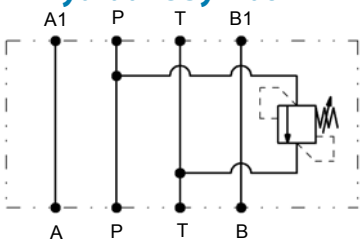
Ordering Code Example: **PRNG630A** - 100-350 bar setting range - Socket Screw adjustment.

Dimensions

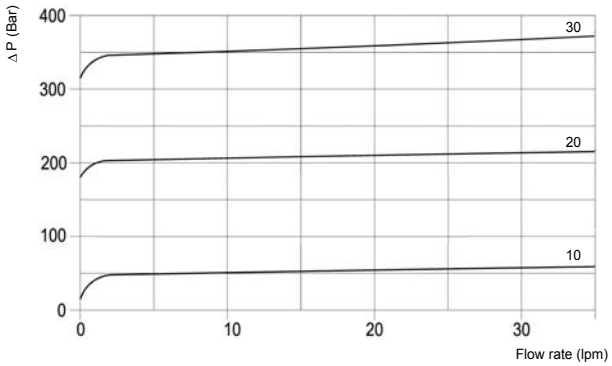




Hydraulic Symbol



Curves



Features

Max Flow	40 lpm
Max Pressure	250 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

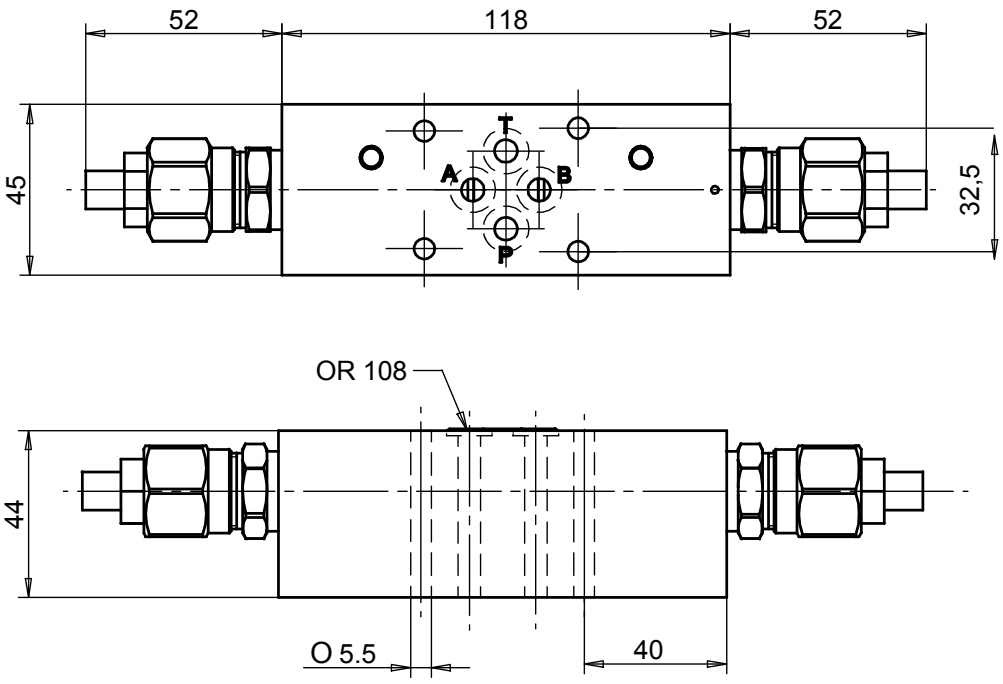
PRPNG6	- -	-

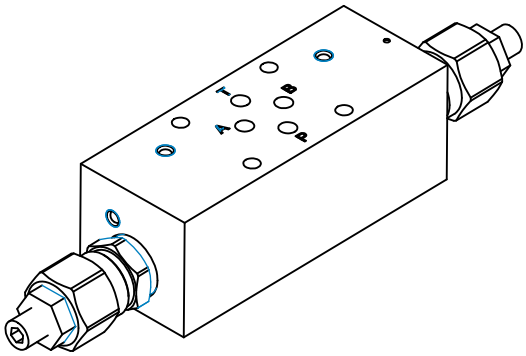
	Spring (bar)
10	5-50
20	40-210
30	100-350

Adjustments		
A		Socket Screw
B		Handknob
C		Tamperproof Cap

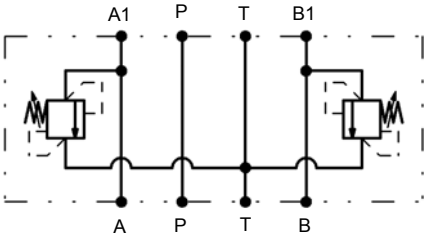
Ordering Code Example: PRPNG630A - 100-350 bar setting range - Socket Screw adjustment.

Dimensions

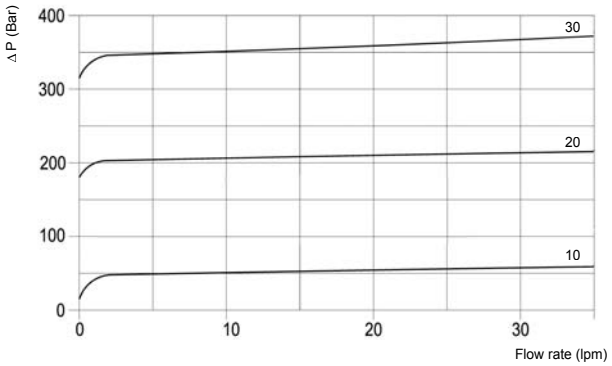




Hydraulic Symbol



Curves



Features

Max Flow	40 lpm
Max Pressure	250 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

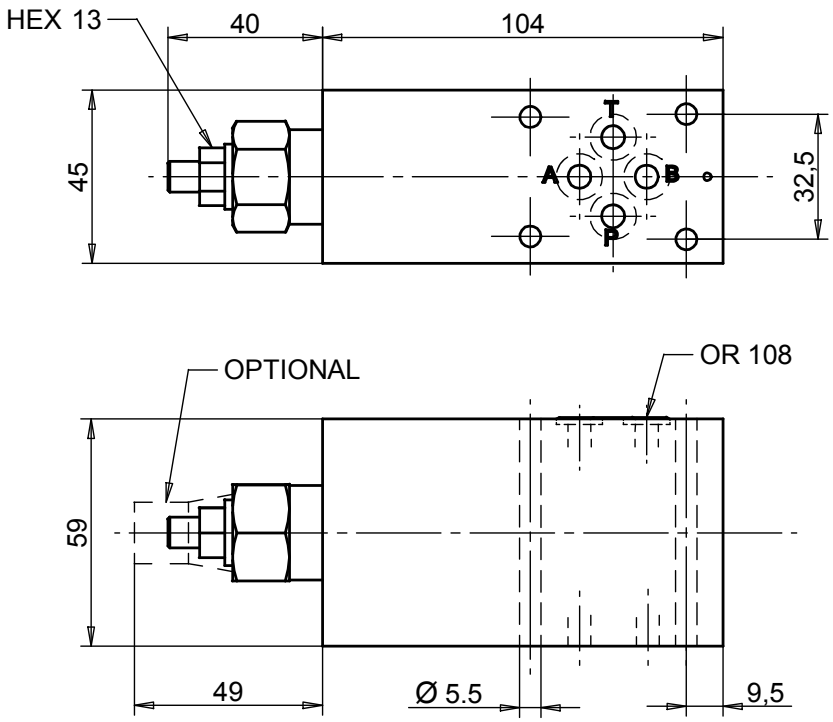
PRABNG6	- -	-

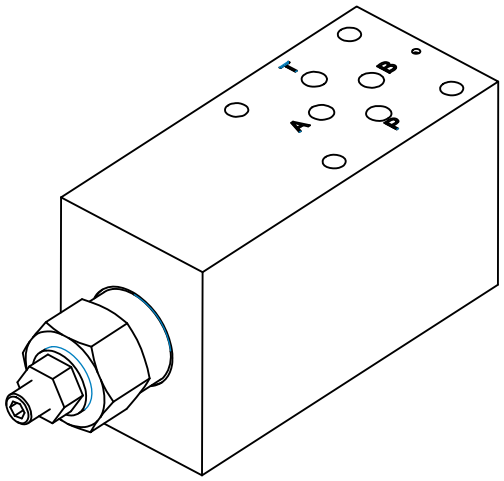
Spring (bar)	
10	5-50
20	40-210
30	100-350

Adjustments		
A		Socket Screw
B		Handknob
C		Tamperproof Cap

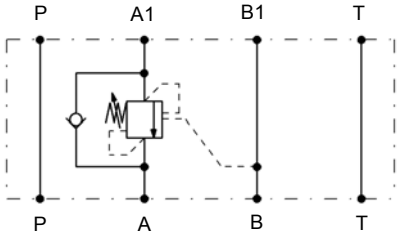
Ordering Code Example: PRPNG630B - 100-350 bar setting range - Handknob adjustment.

Dimensions

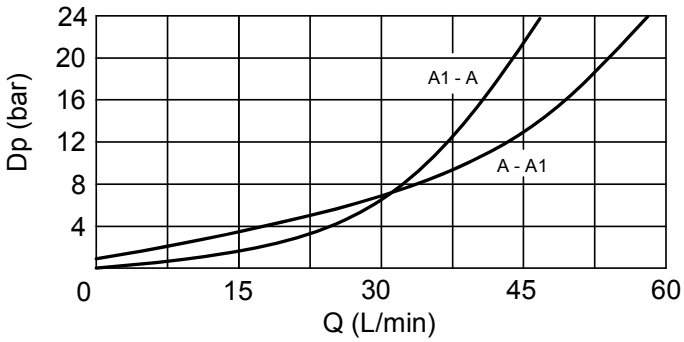




Hydraulic Symbol



Curves



Features

Max Flow	50 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

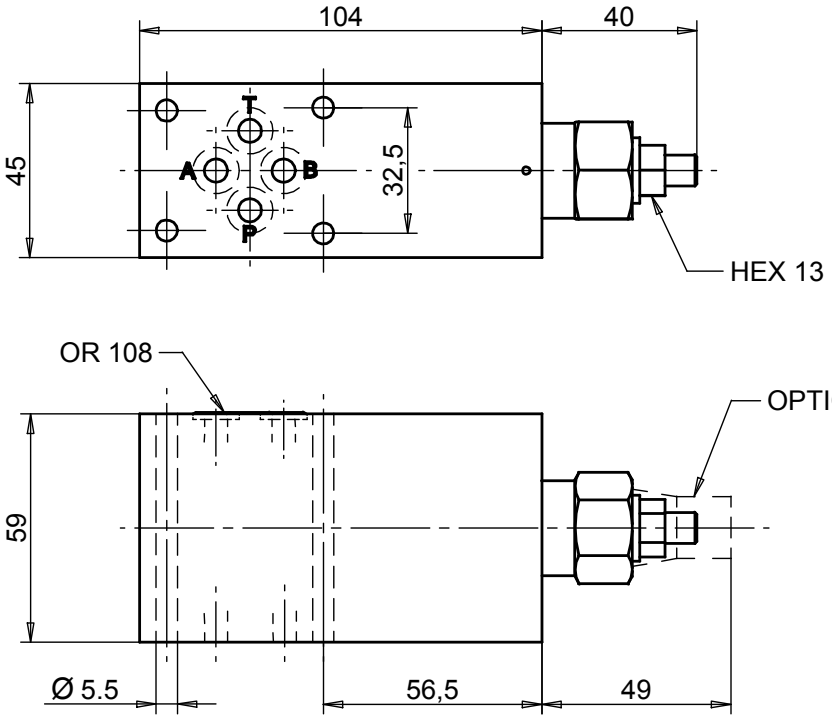
Ordering Code

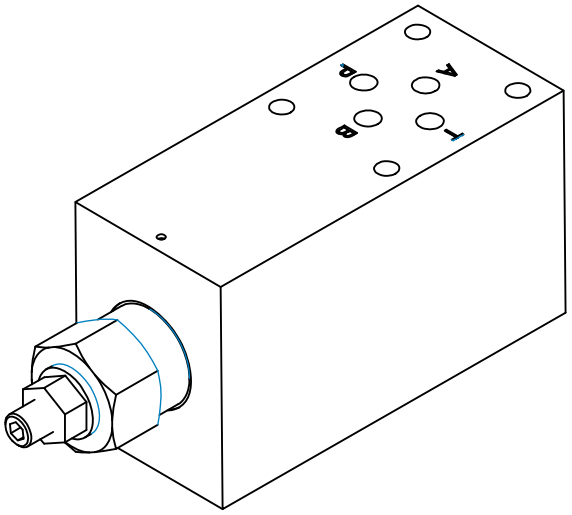
CBSLANG6	- -

Spring (bar)	
20	60-210
30	100-350

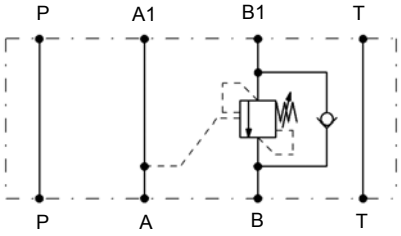
Ordering Code Example: **CBSLANG630** - 100-350 bar setting range.

Dimensions

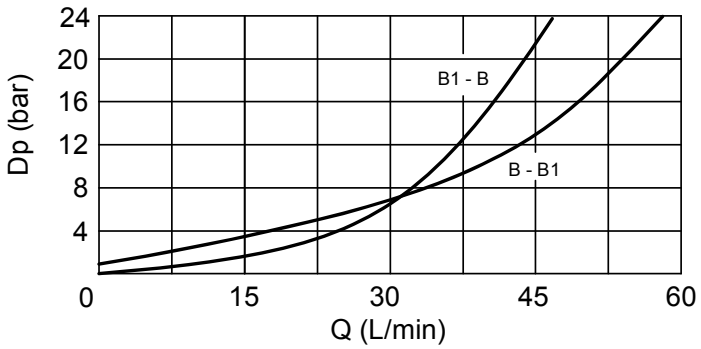




Hydraulic Symbol



Curves



Features

Max Flow	50 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1
Std. Pressure range	100 - 350 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

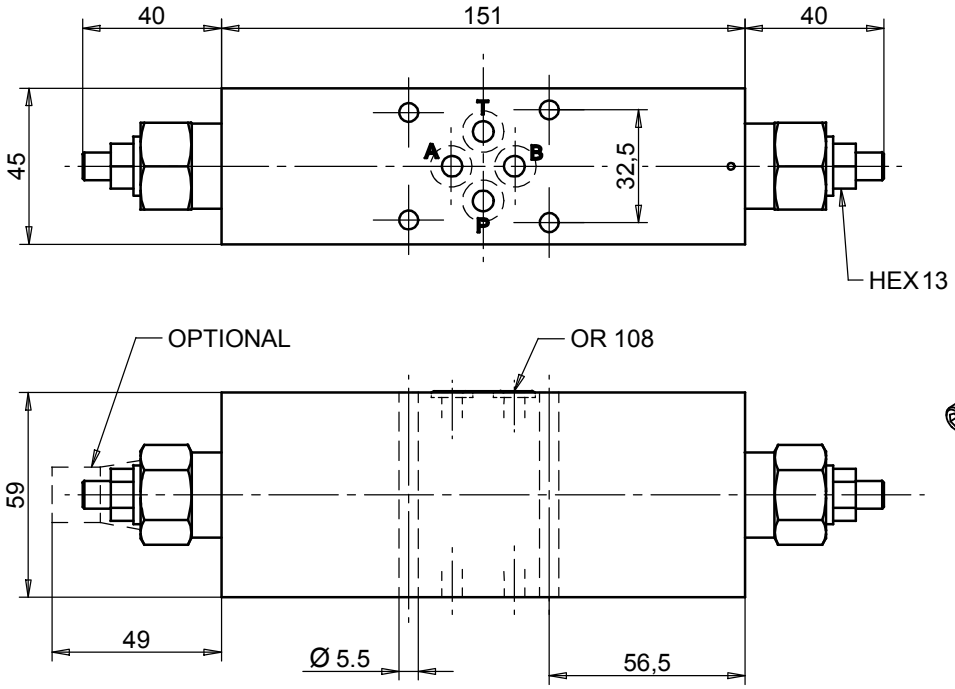
Ordering Code

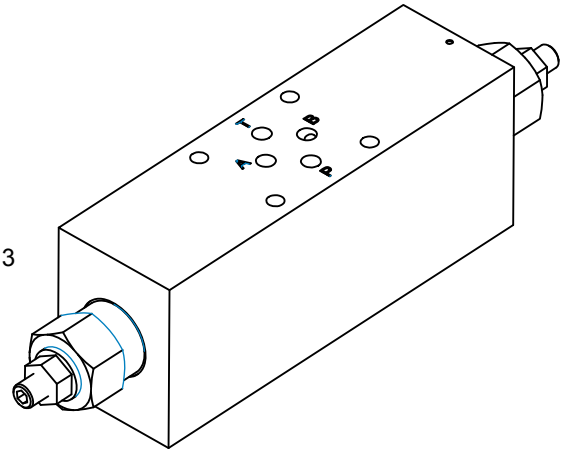
CBSLBNG6	- -

Spring (bar)	
20	60-210
30	100-350

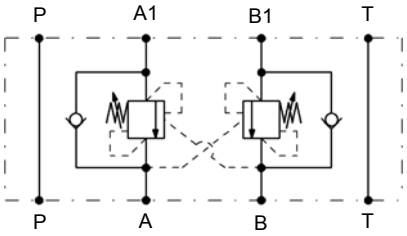
Ordering Code Example: **CBSLBNG630** - 100-350 bar setting range.

Dimensions

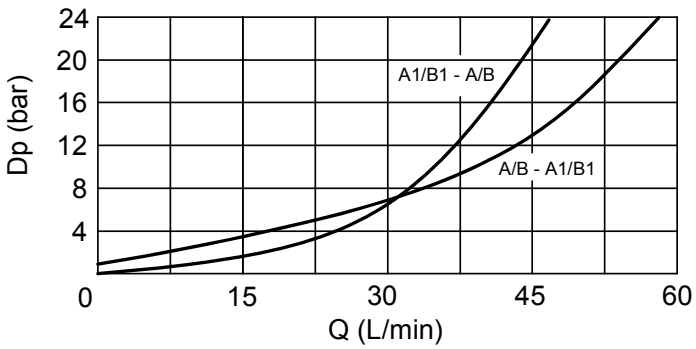




Hydraulic Symbol



Curves



Features

Max Flow	50 lpm
Max Pressure	350 bar
Pilot Ratio	4,2:1

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

CBDLNG6 | **- -** | **-**

Spring

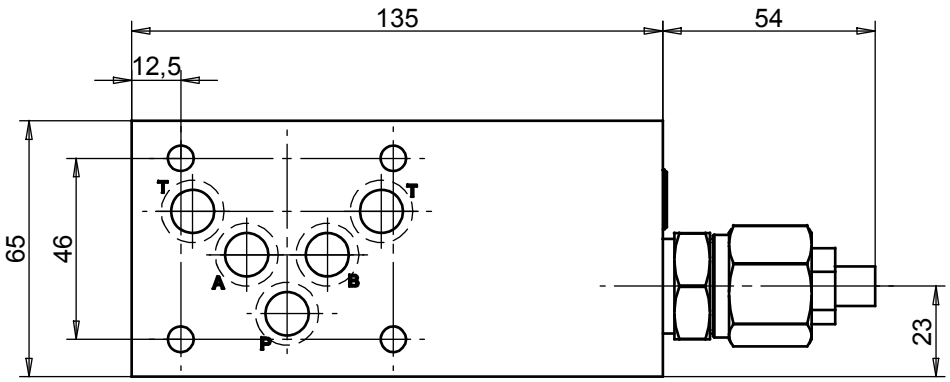
	Pressure Range (bar)	Increase (bar/turn)	Standard Setting (bar) Q=5 lpm
20	60 - 210	61	180
30	100 - 350	100	250

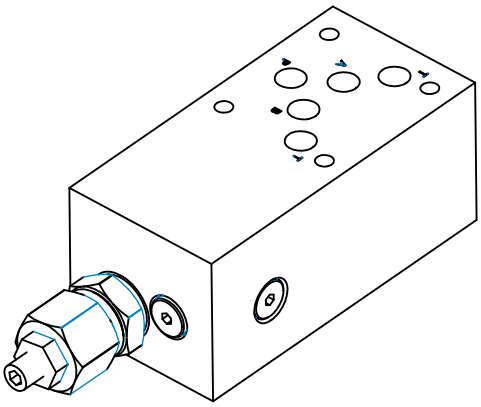
Pilot Ratio

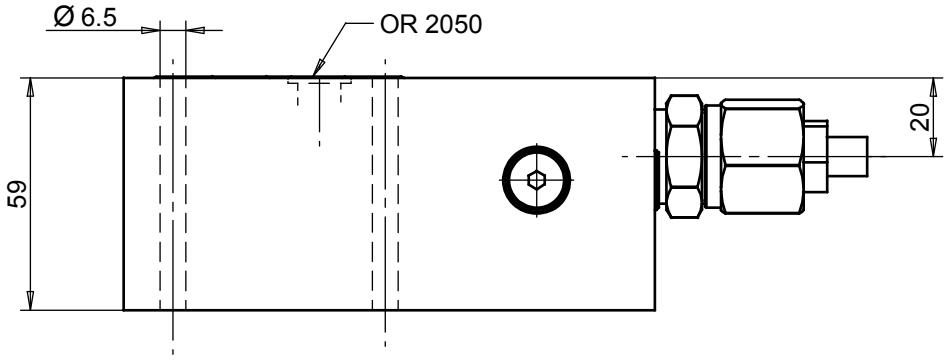
	4,2 : 1
8	8 : 1

Ordering Code Example: CBDLNG6208 - 61-180 bar setting range, 8:1 Pilot Ratio.

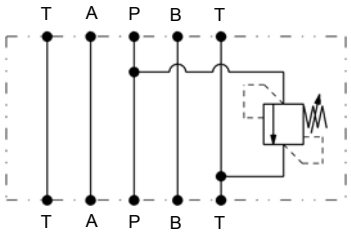
Dimensions



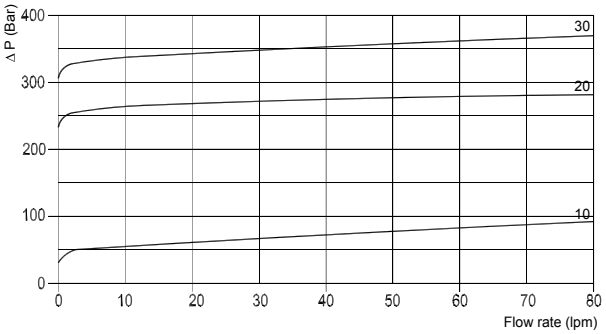




Hydraulic Symbol



Curves



Features

Max Flow	80 lpm
Max Pressure	250 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

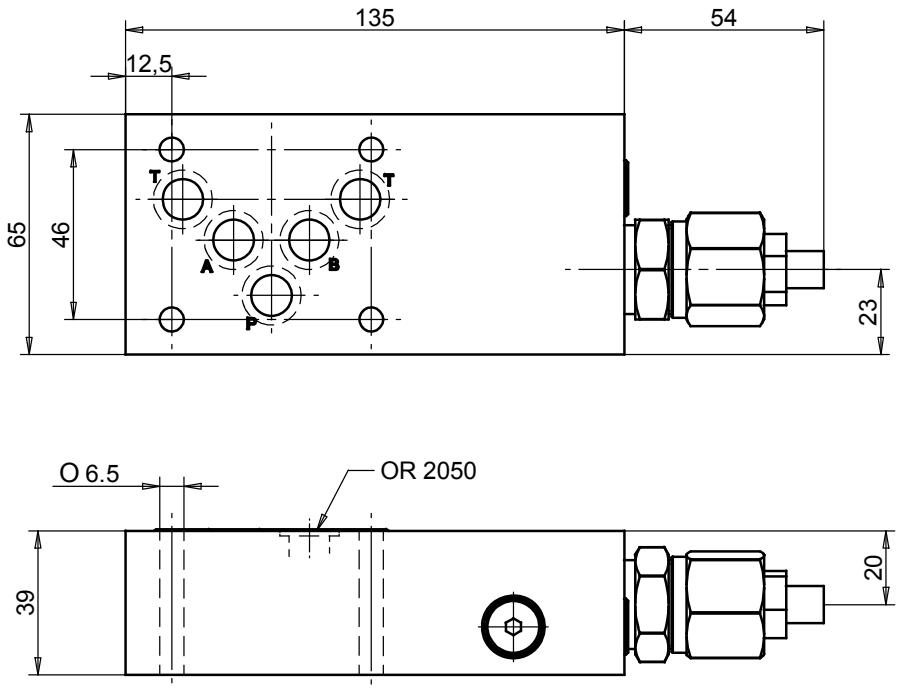
PRPNG10	- -	-

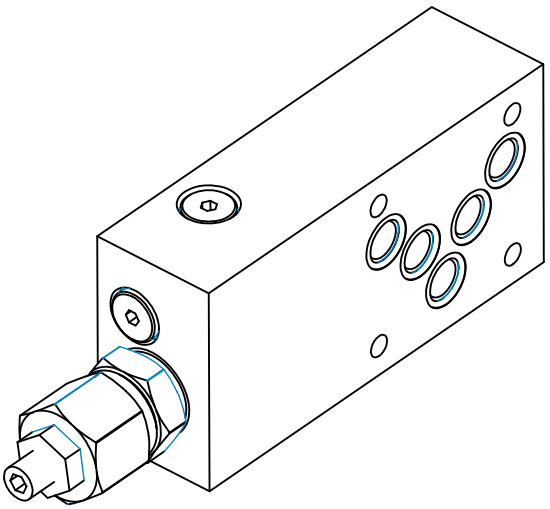
Spring (bar)	
10	5-50
20	30-260
30	130-350

Adjustments		
A		Socket Screw
B		Handknob
C		Tamperproof Cap

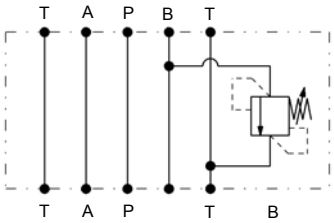
Ordering Code Example: PRPNG1020A - 30-260 bar setting range, Socket screw adjustment.

Dimensions

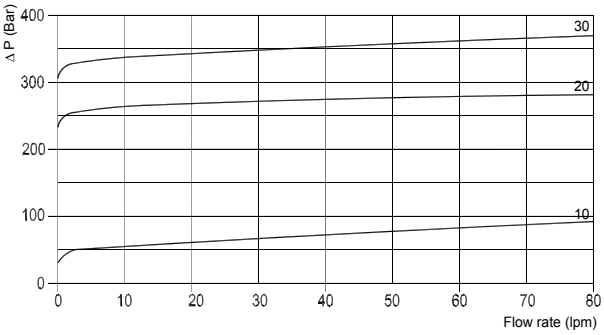




Hydraulic Symbol



Curves



Features

Max Flow	80 lpm
Max Pressure	250 bar

Materials: Zinc plated steel cartridge, hardened steel inner parts. Aluminium manifold.

Ordering Code

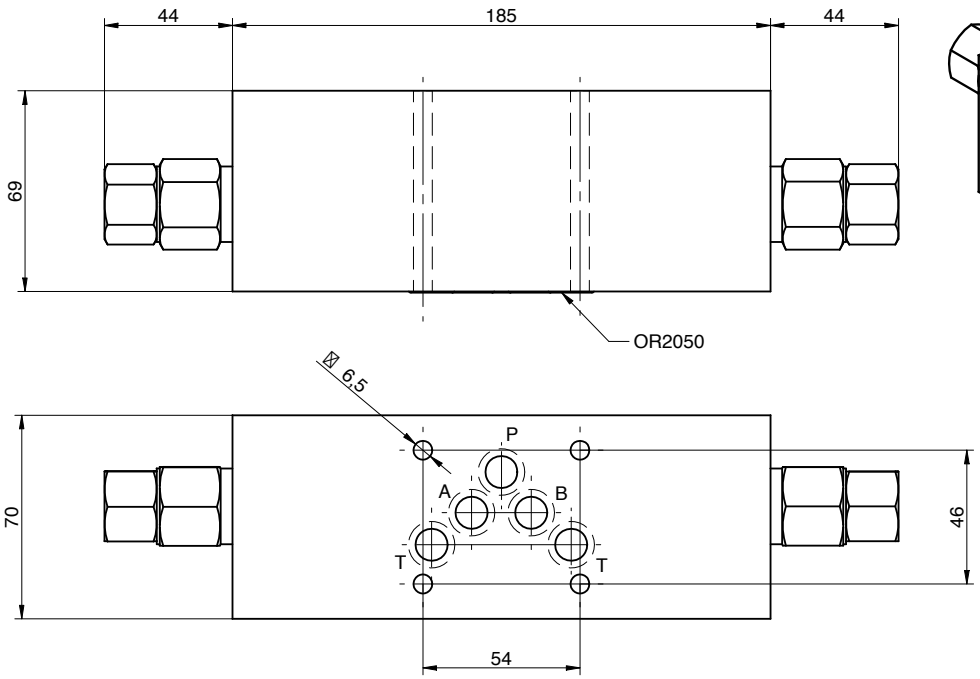
PRPBNG10	- -	-

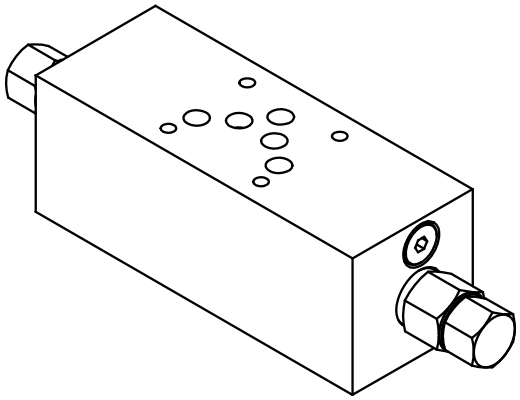
	Spring (bar)
10	5-50
20	30-260
30	130-350

Adjustments		
A		Socket Screw
B		Handknob
C		Tamperproof Cap

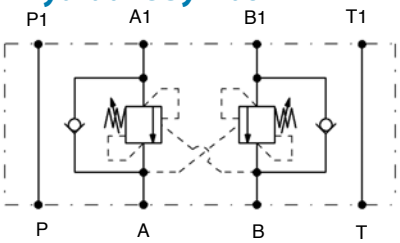
Ordering Code Example: **PRPBNG1030A** - 130-350 bar setting range, Socket screw adjustment.

Dimensions

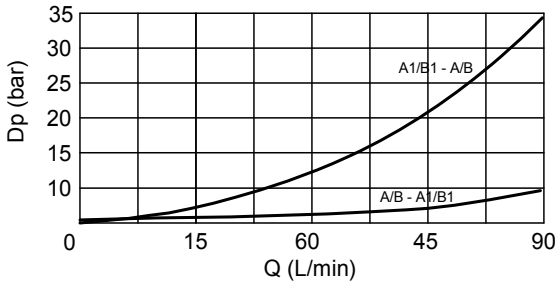




Hydraulic Symbol



Curves



Features

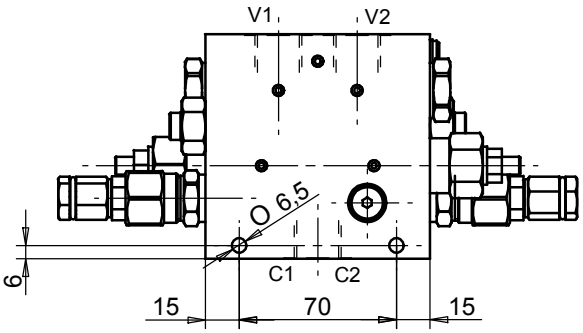
Max flow	85 lpm
Max pressure	350 bar
Pressure Range	100 - 350 bar
Pilot ratio	4,2 : 1

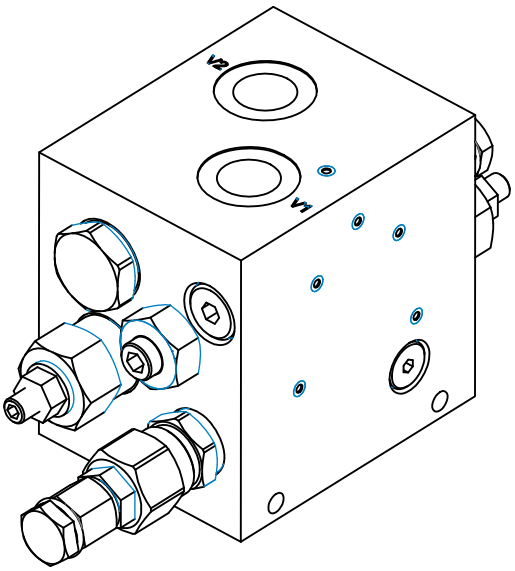
Materials: Aluminium body

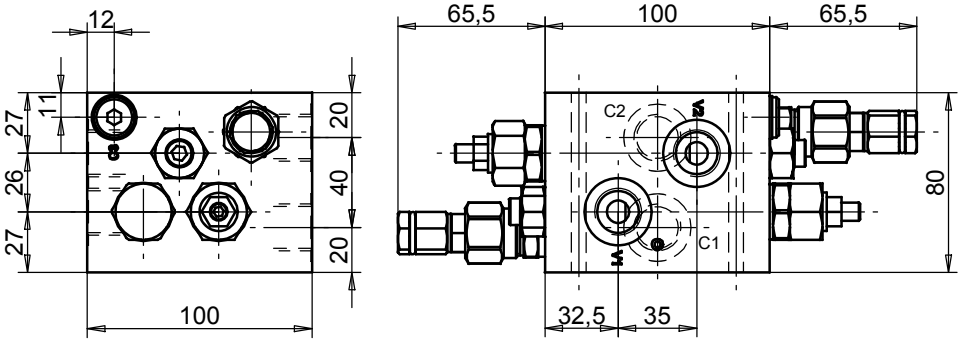
Ordering Code

CBDLNG10

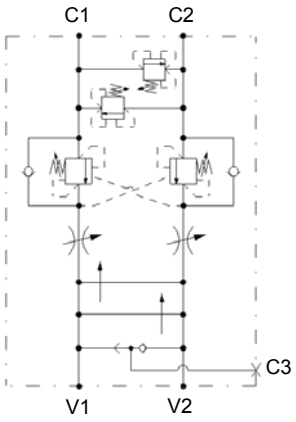
Dimensions



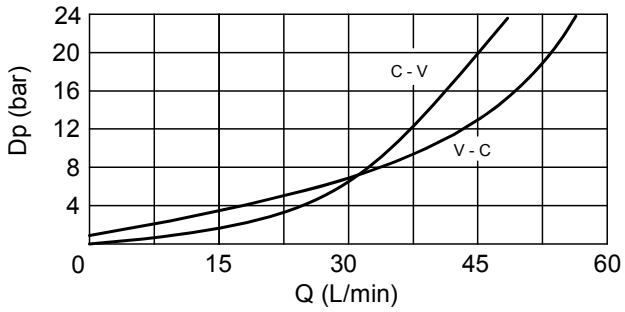




Hydraulic Symbol



Curves



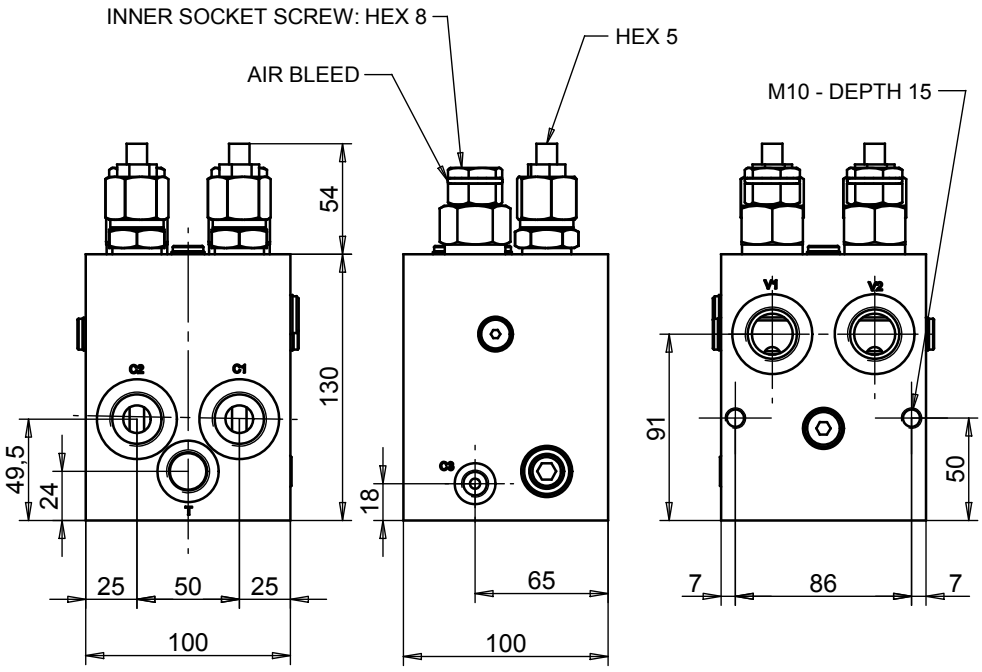
Features

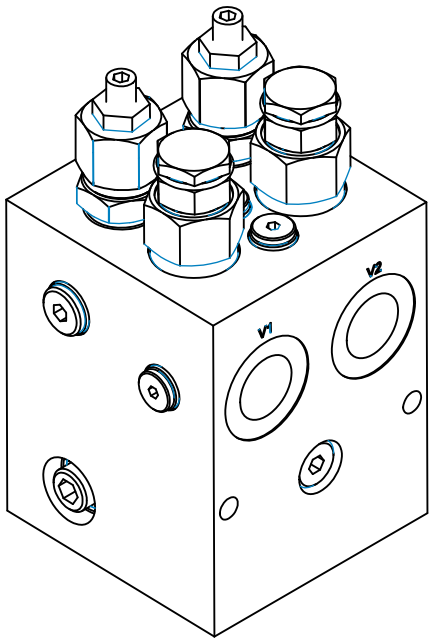
Max Flow	60 lpm
Max Pressure	270 bar
Pilot Ratio	4,2:1
Ports	V1-V2: G 1/2 C1-C2: G 1/2 C3: G 1/4
Std. Pressure range	100 - 350 bar

Ordering Code

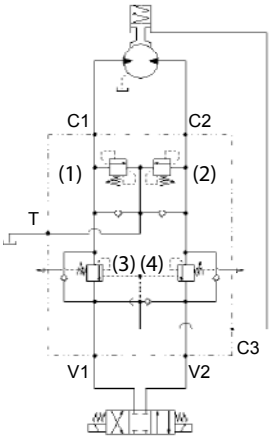
VCRT 03

Dimensions

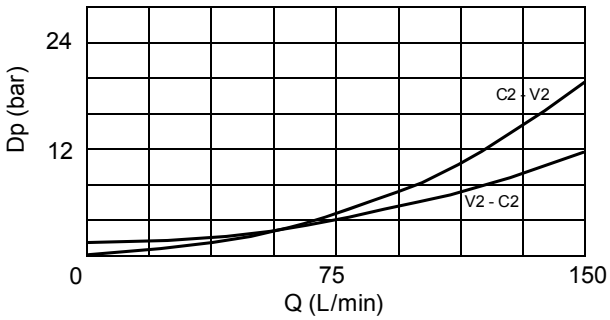




Hydraulic Symbol



Curves



Materials: Zinc plated steel cartridge, hardened steel inner parts.
Aluminium manifold.

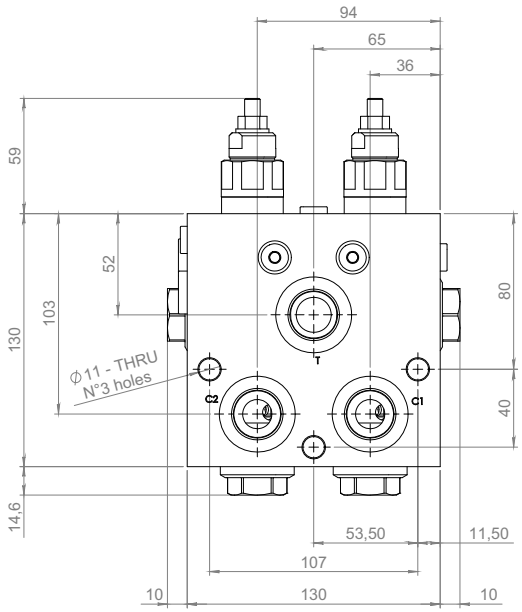
Features

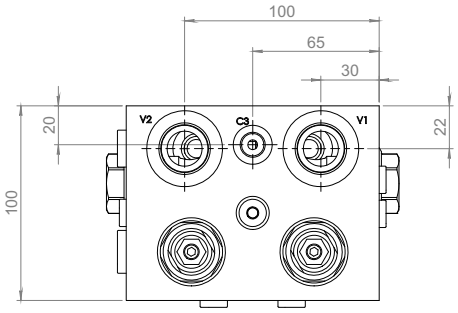
Max Flow	150 lpm
Max Pressure	250 bar
Pilot Ratio	4:1
Ports	V1-V2-C1-C2: G 3/4 T: G 1/2 C3: G 1/4
Std. Pressure range	(3)-(4) 100 - 350 bar (1)-(2) 140 - 350 bar

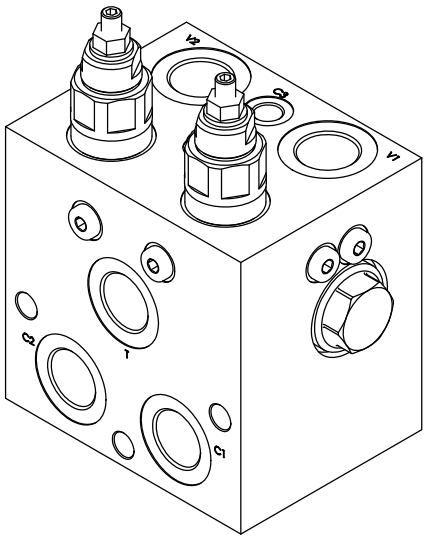
Ordering Code

VMOCL150CC 04

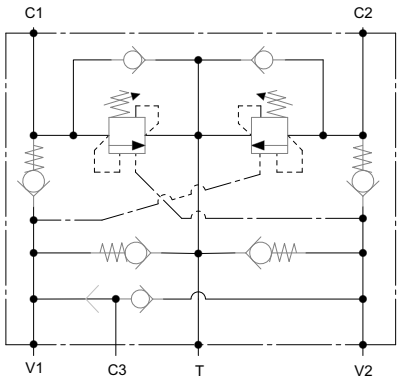
Dimensions







Hydraulic Symbol



Curves

Features

Size	04	05
Max Pressure (bar)	280	280
Max Flow Rate (lpm)	100	200
Overcentre Setting Range (bar)	140 - 350	140 - 350
Pilot ratio	4 : 1	4 : 1

Materials: Aluminium body

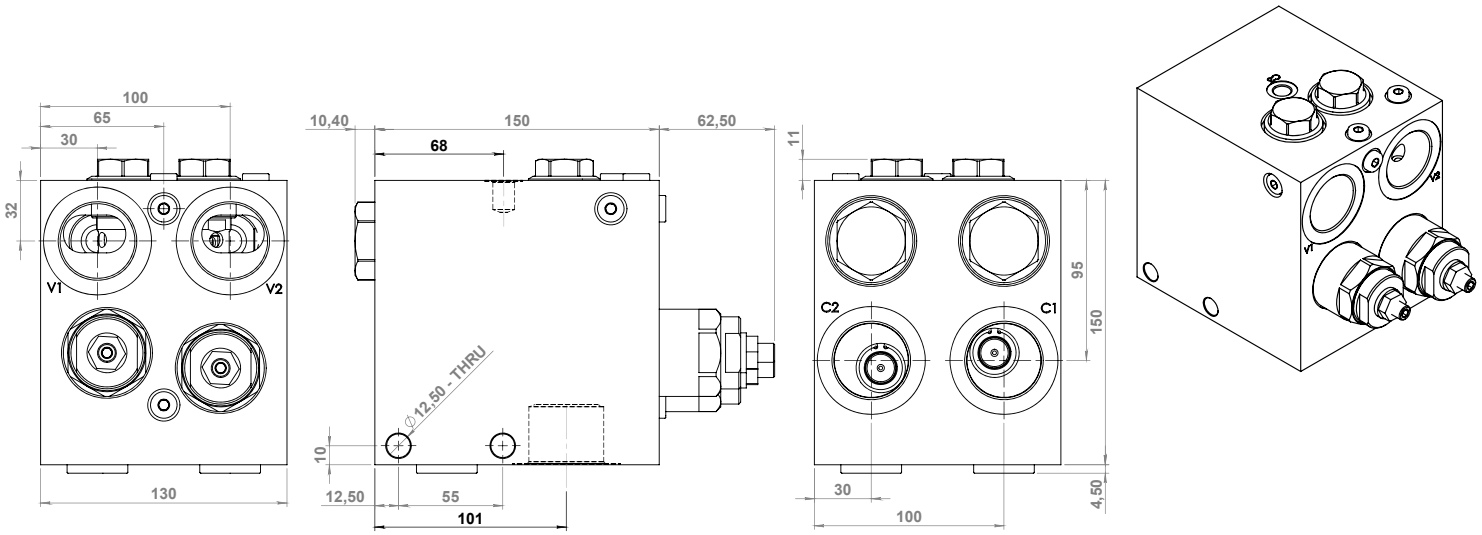
Ordering Code

VMOCLIHSF - -

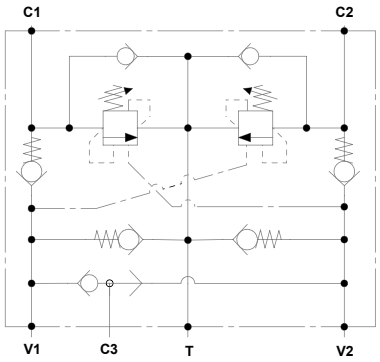
	Size BSP
04	3/4
05	1

Ordering Code Example: **VMOCLIHSF05** - 1" port size.

Dimensions



Hydraulic Symbol



Curves

Features

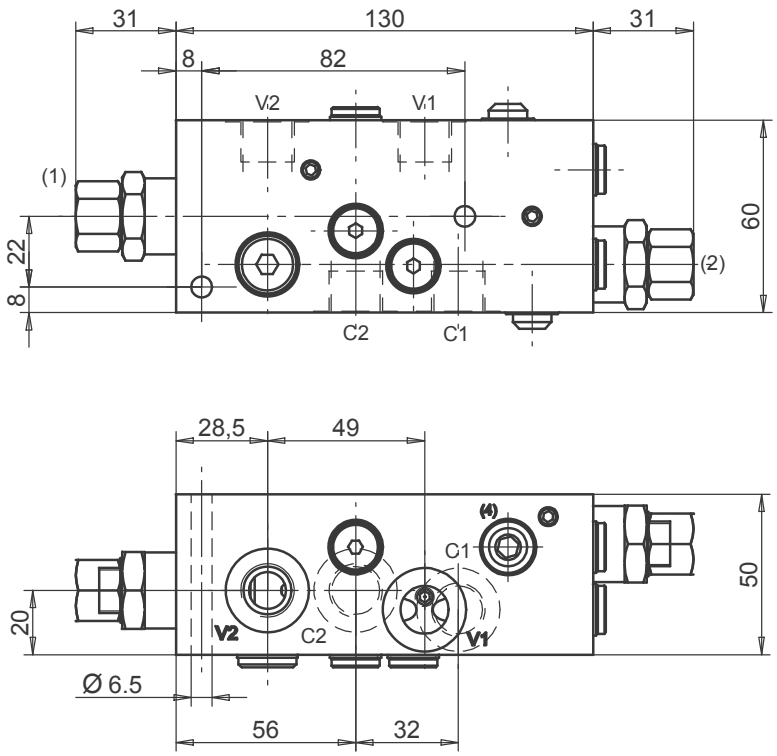
Max Pressure (bar)	280
Max Flow Rate (lpm)	350
Overcentre Setting Range (bar)	140 - 350
Pilot ratio	4 : 1
Port Size	V1-V2-C1-C2-T = G 1"1/4 BSP; C3 = G 1/4 BSP

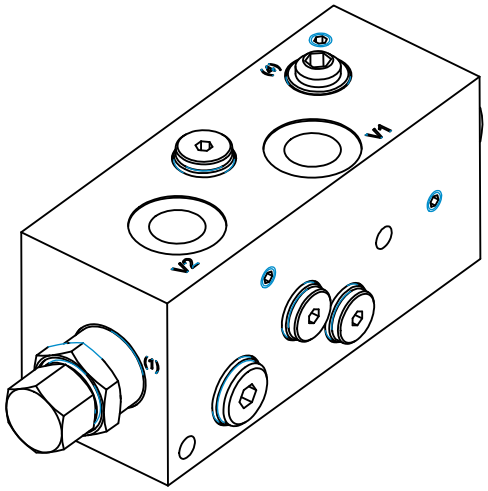
Materials: Aluminium body

Ordering Code

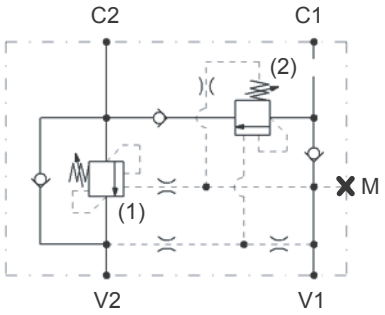
VMOCLIHSF0630

Dimensions

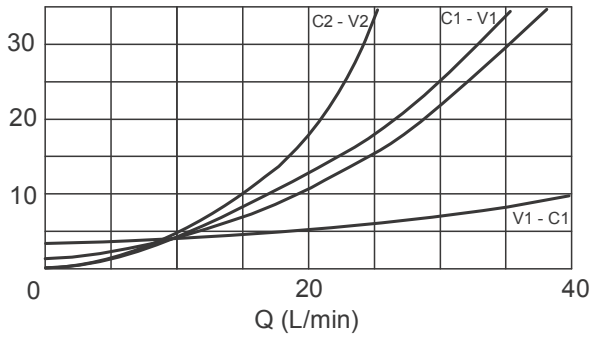




Hydraulic Symbol



Curves



Materials: Zinc plated steel cartridge, hardened steel inner parts.
Aluminium manifold.

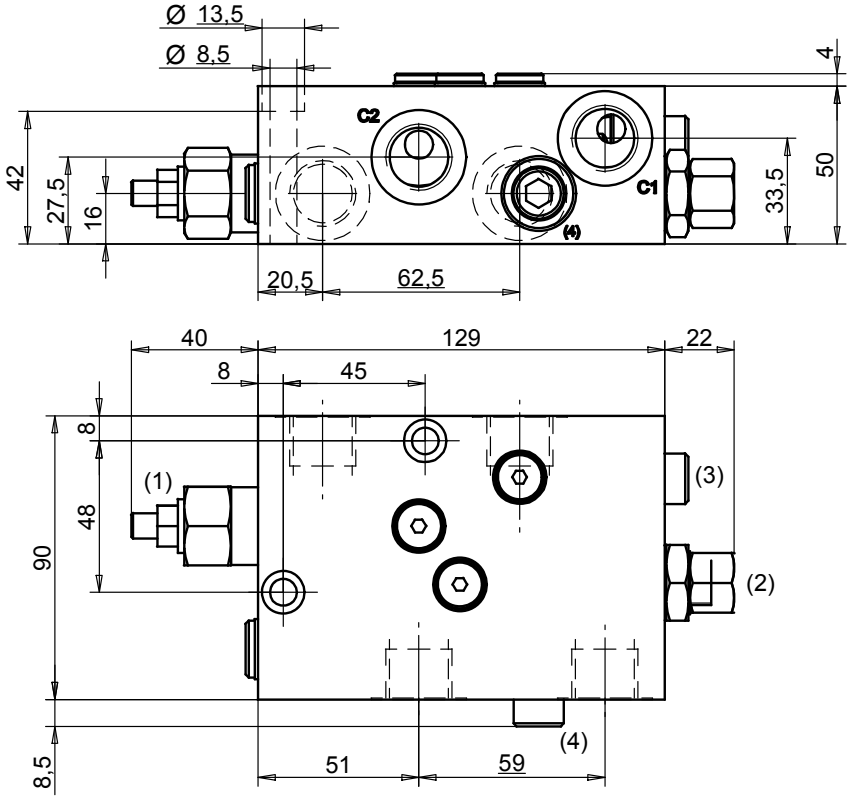
Features

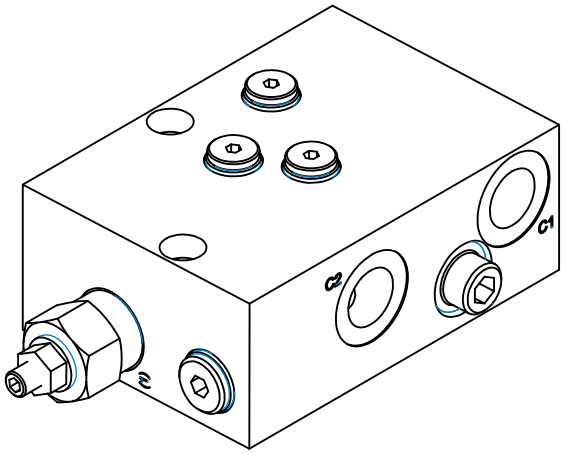
Max Flow	40 lpm
Max Pressure	350 bar
Ports	V1-V2: G 3/8 C1-C2: G 3/8
Pressure increse/turn	140 bar
Pilot Ratio	4:1
Std. Pressure range	100 - 350 bar

Ordering Code

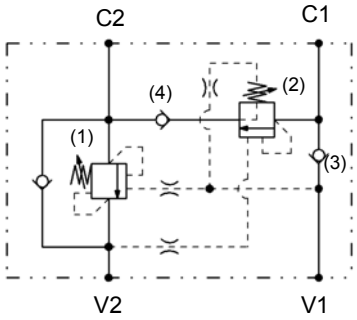
CBDLRG 02

Dimensions

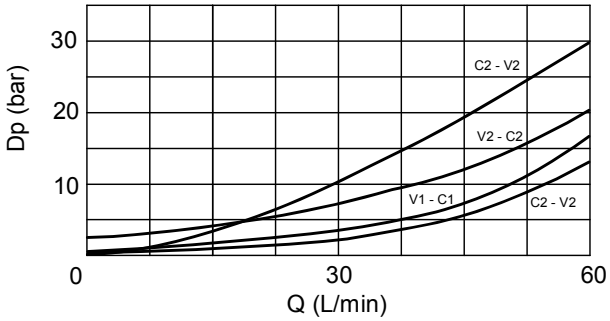




Hydraulic Symbol



Curves



Features

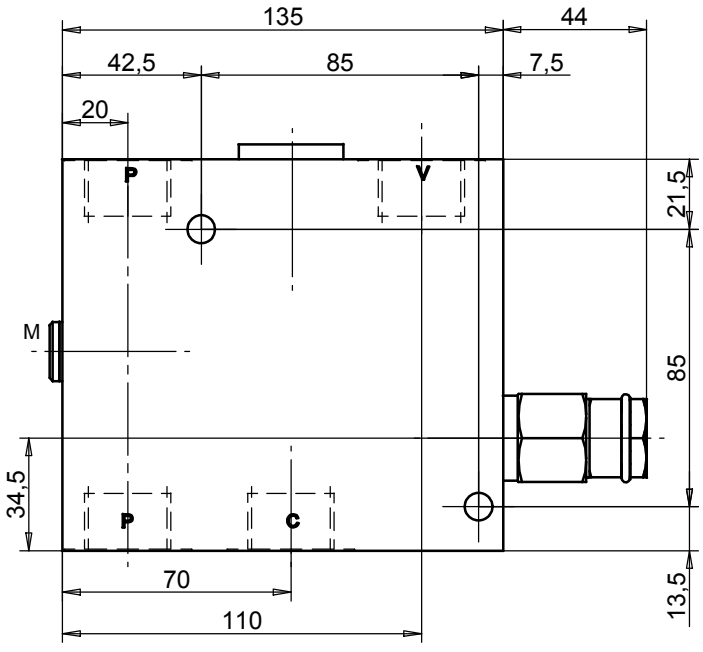
Max Flow	60 lpm	
Max Pressure	350 bar	
Ports	V1-V2: G 1/2 C1-C2: G 1/2	
	1	2
Pilot Ratio	4,2:1	4:1
Std. Pressure range	100 - 350 bar	100 - 350 bar

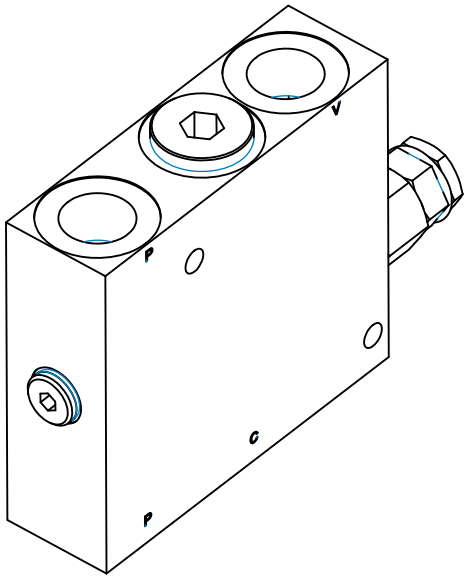
Materials: Zinc plated steel cartridge, hardened steel inner parts.
Aluminium manifold.

Ordering Code

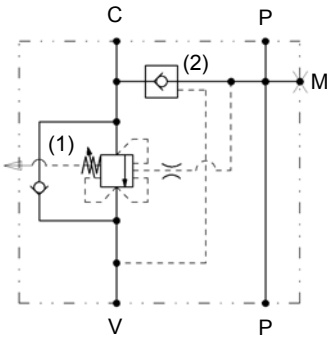
CBDLRG 03

Dimensions

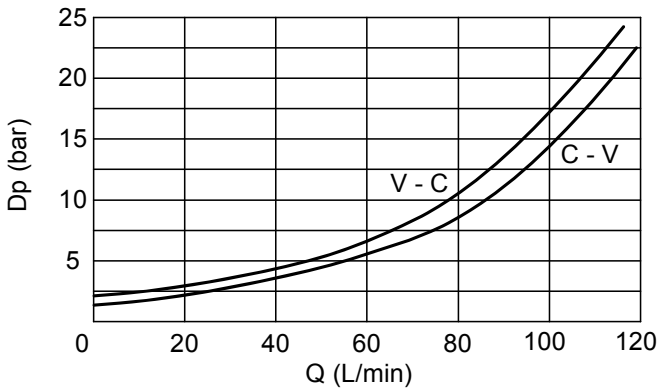




Hydraulic Symbol



Curves



Features

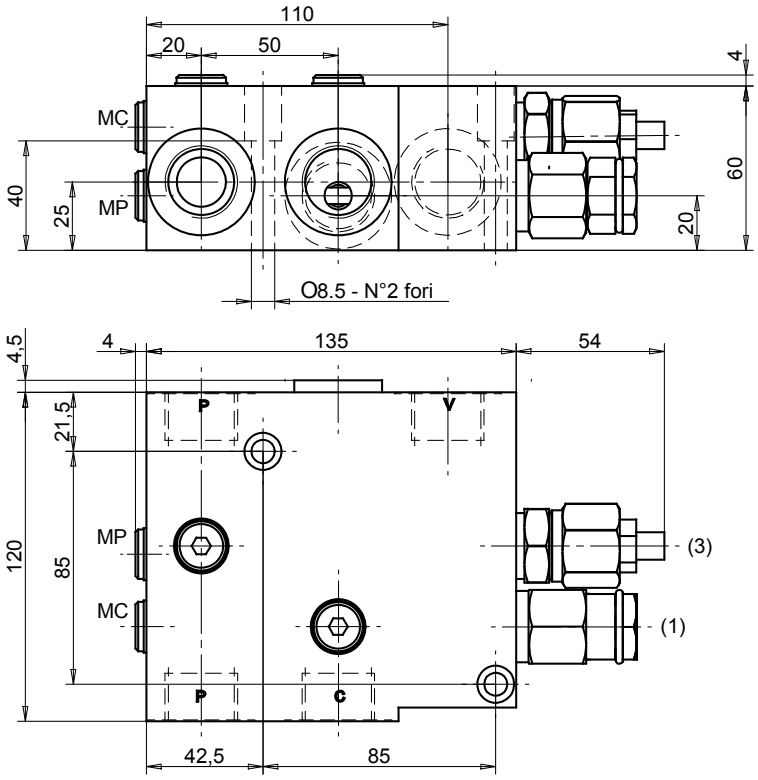
Max Flow	120 lpm	
Max Pressure	350 bar	
Ports	V-P-C: G 3/4 MP-MC: G 1/4	
	(1)	(2)
Pilot Ratio	4,2:1	4:1
Std. Pressure range	100 - 350 bar	

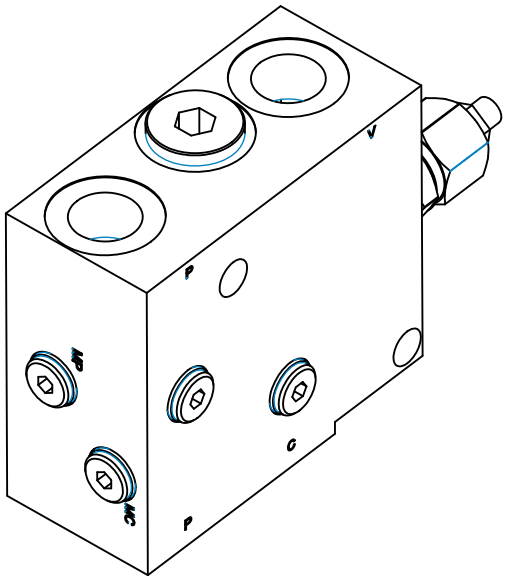
Materials: Zinc plated steel manifold, hardened steel inner parts.

Ordering Code

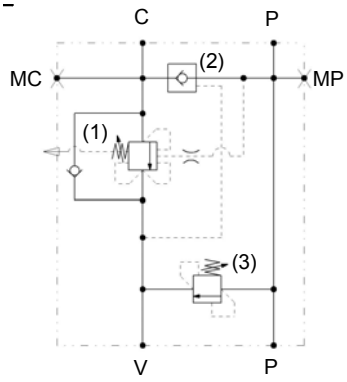
CB90SLRGTCC 04

Dimensions

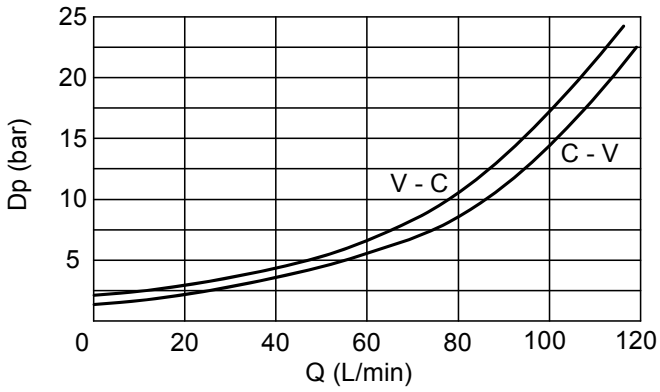




Hydraulic Symbol



Curves



Features

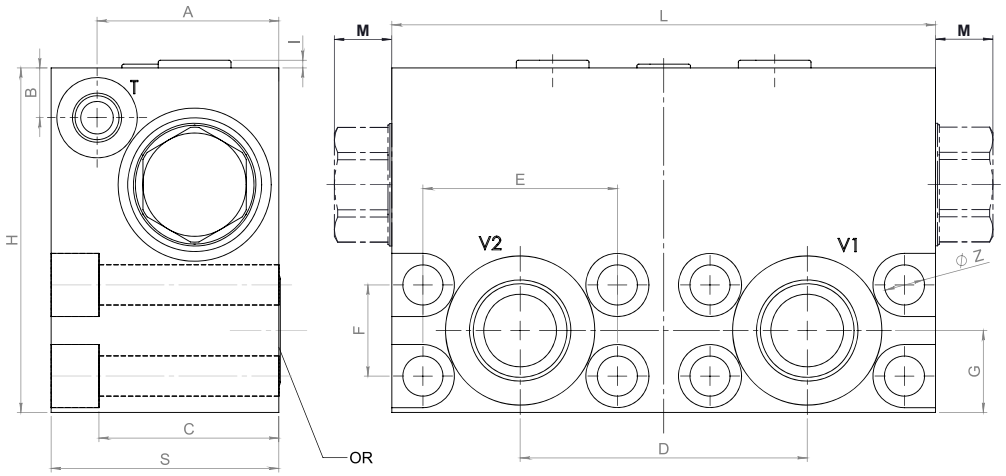
Max Flow	120 lpm		
Max Pressure	350 bar		
Ports	V-P-C: G 3/4 MP-MC: G 1/4		
	(1)	(2)	(3)
Pilot Ratio	4,2:1	4:1	-
Std. Pressure range	100 - 350 bar		130 - 350 bar

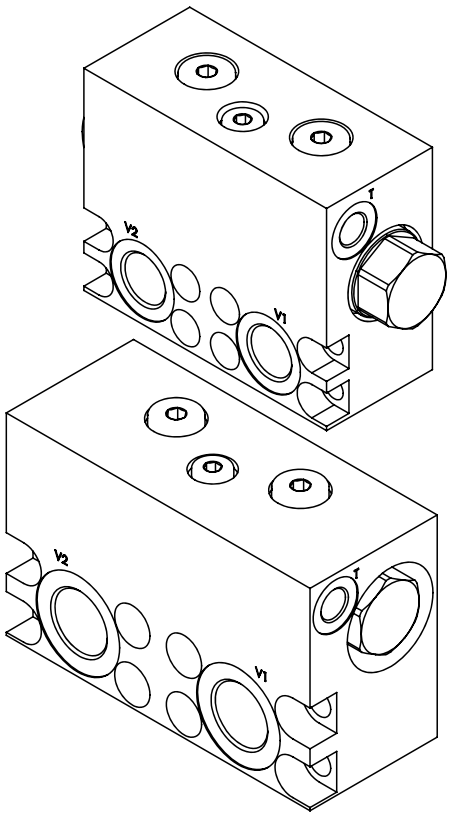
Materials: Zinc plated steel body

Ordering Code

CB90SLRGTPRCC 04

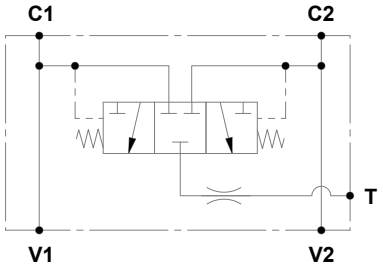
Dimensions





Size	A	B	C	D	E	F	G	H	I	L	M	S	Ø Z	OR
03	36,5	15,5	39	59	40,5	18,2	17,6	90	-	113,5	15	49,5	8,5	18,64x3,53
04	47,5	13	47	75	50,8	23,8	21,4	90	2	142	-	59,5	10,5	23,40x3,53
05	47,5	17	45	84	57,5	27,8	25	100	-	160	-	59,5	12,5	32,93x3,53
06	48	12	44,5	99	66,7	31,8	28,5	100	4,5	194	-	59,5	15	36,09x3,53

Hydraulic Symbol



Features

Size	03	04	05	06
Max Pressure (bar)	420	420	420	420
Max Flow Rate (lpm)	150	300	500	600
Flushing Flow (lpm)	6 ÷ 8	8 ÷ 10	10 ÷ 12	13 ÷ 15
Orefice Diameter (mm)	1,7	1,9	2,1	2,4
Port Sizes	V1 - V2: G 1/2 C1-C2: 1/2 SAE6000 T: G 1/4	V1 - V2: G 3/4 C1-C2: 3/4 SAE6000 T: G 1/4	V1 - V2: G 1 C1-C2: 1 SAE6000 T: G 1/4	V1 - V2: G 1 C1-C2: 1"1/4 SAE6000 T: G 1/4

Materials: Zinc plated steel manifold

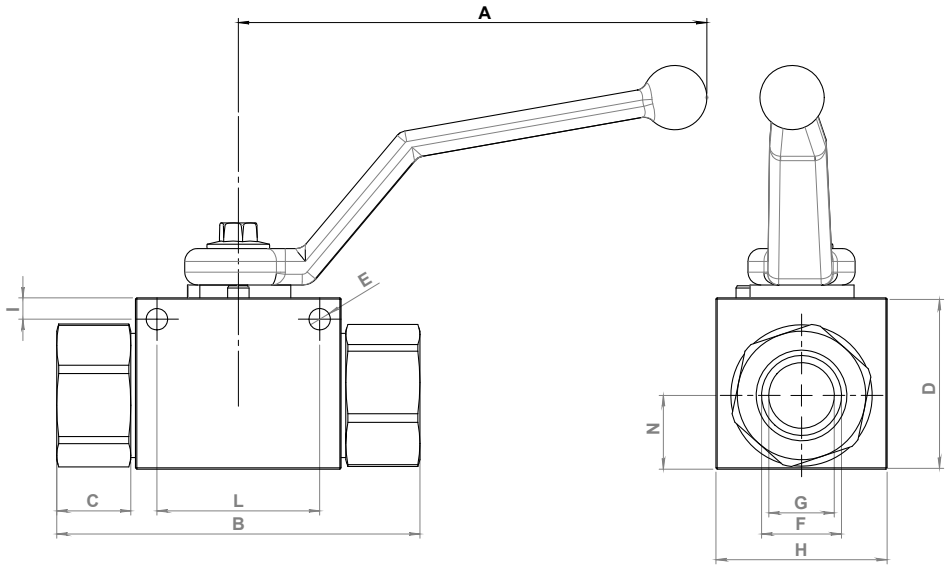
Ordering Code

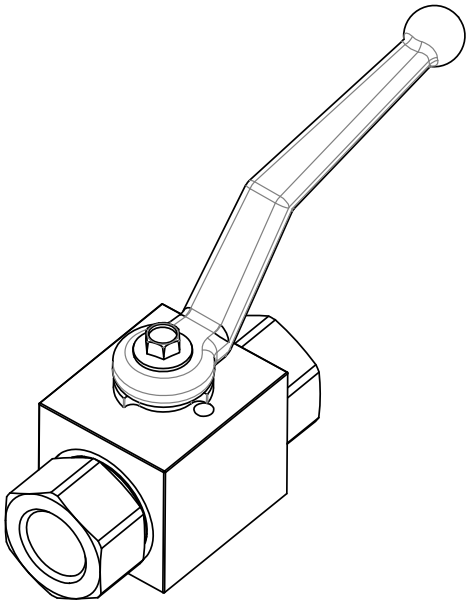
VPURX	- -	T01

	Port Size BSP
03	1/2
04	3/4
05	1
06	1

Ordering Code Example: **VPURX05T01** - 1" port size.

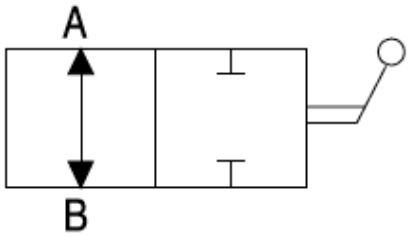
Dimensions





Size	A	B	C	D	E	F BSP	H	L	I	Max Pressure (bar)
01	105	69	17	35	4,5	1/4	25	25	7,5	500
02	105	73	15	40	5	3/8	30	35	5	500
03	105	86	19	40	6	1/2	40	38	5	500
04	160	97	17	55	8	3/4	55	49	6	400
05	160	114	24	60	8	1"	60	55	6	350
06	160	125	29	60	8	1" 1/4	60	55	6	350
07	160	125	29	60	8	1" 1/2	60	55	6	350

Hydraulic Symbol



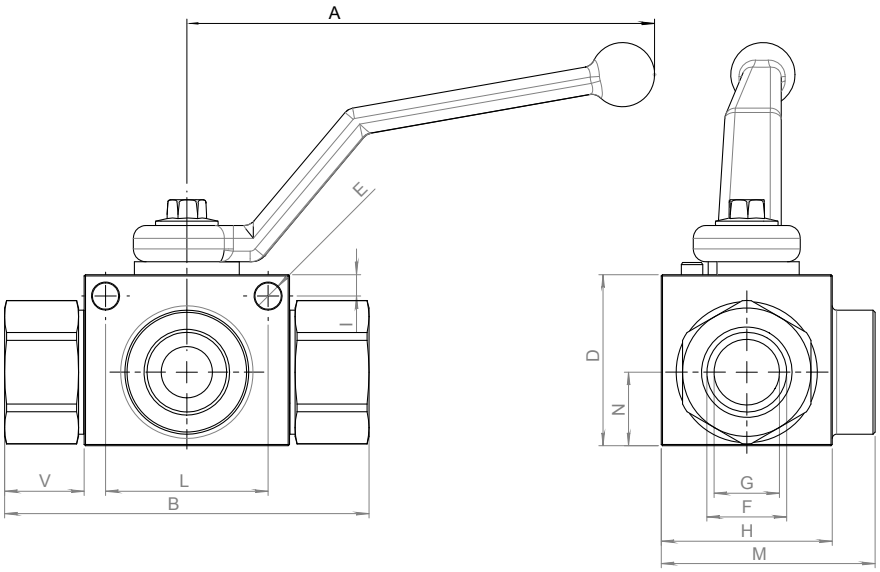
Ordering Code

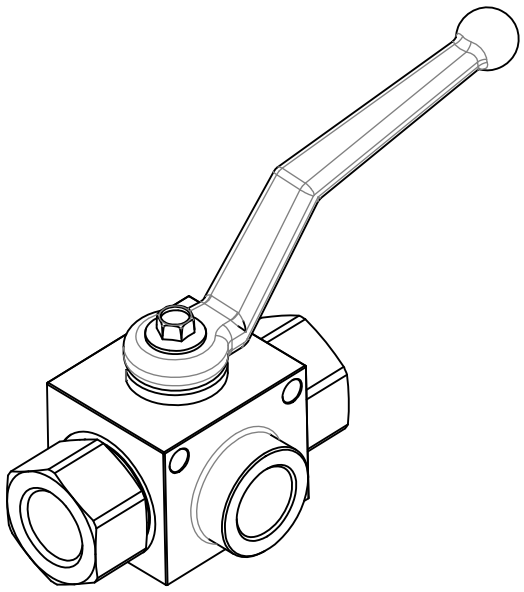
BV2W	- -

	Port Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1"
06	1" 1/4
07	1" 1/2

Ordering Code Example: BV2W02 - 3/8" BSP Ports.

Dimensions

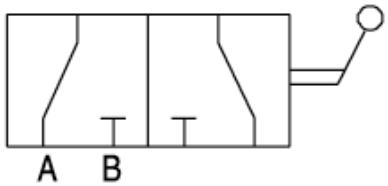




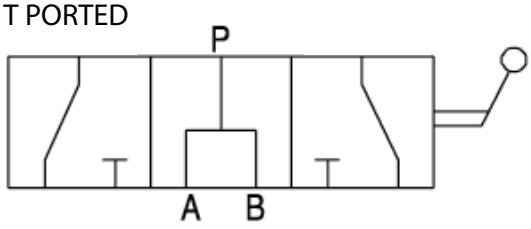
Size	A	B	C	D	E	F BSP	H	I	L	M	Max Pressure (bar)
01	105	69	17	40	4,5	1/4	25	7,5	25	40	400
02	105	73	15	40	5	3/8	30	5	35	44	400
03	105	85	19	40	6	1/2	40	5	38	54	350
04	160	97	17	55	8	3/4	55	7	49	71	350
05	160	114	24	60	8	1"	60	6	55	84	300
06	160	125	29	60	8	1" 1/4	60	6	55	88	300
07	160	125	29	60	8	1" 1/2	60	6	55	88	300

Hydraulic Symbol

L PORTED



T PORTED



Ordering Code

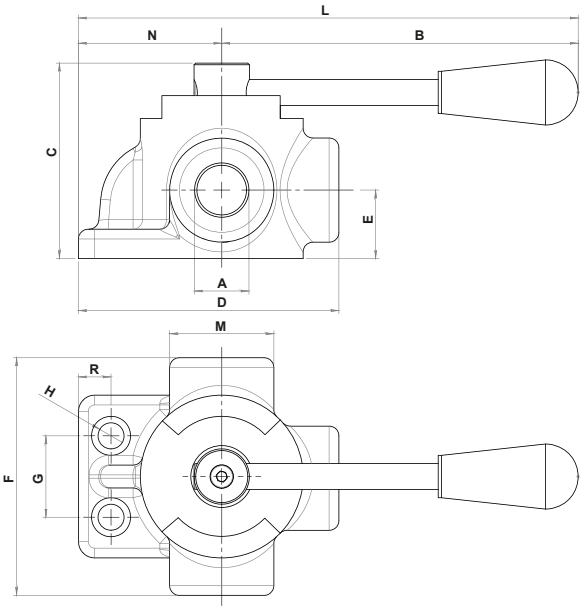
BV3W	- -	-

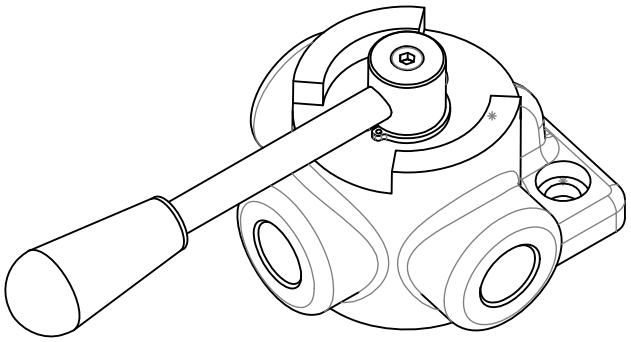
Port Size BSP	
01	1/4
02	3/8
03	1/2
04	3/4
05	1"
06	1" 1/4
07	1" 1/2

Hydraulic symbol	
L	L Ported
T	T Ported

Ordering Code Example: BV3W02L - 3/8" BSP Ports, L ported.

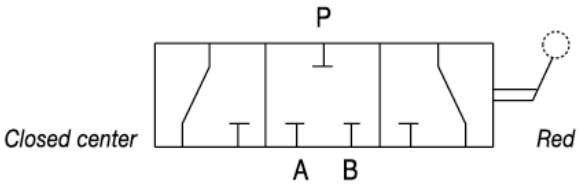
Dimensions

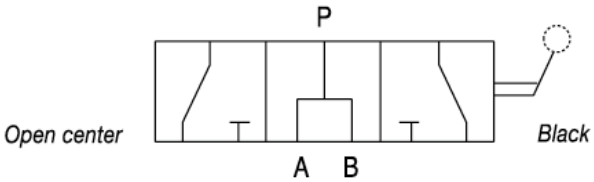




Size	A BSP	B	C	D	E	F	G	H	L	M	N	R	Weight kg	Max Pressure (bar)
01	1/4	128	62	77	21	73	24	8,5	169	35	41	11	0,95	315
02	3/8	128	62	77	21	73	24	8,5	169	35	41	11	0,89	315
03	1/2	128	70	96	25	85	30	10,5	180	40	52	17	1,45	280
04	3/4	125	80	100	28	90	32	10,5	180	45	55	13	1,82	250
05	1	140	90	115	32,5	96	32	11	207	56	67	14	2,50	220
07	1-1/2	140	115	145	44	130	45	11	220	80	80	17	6,20	220

Hydraulic Symbol





Ordering Code

FD3W	- -	-

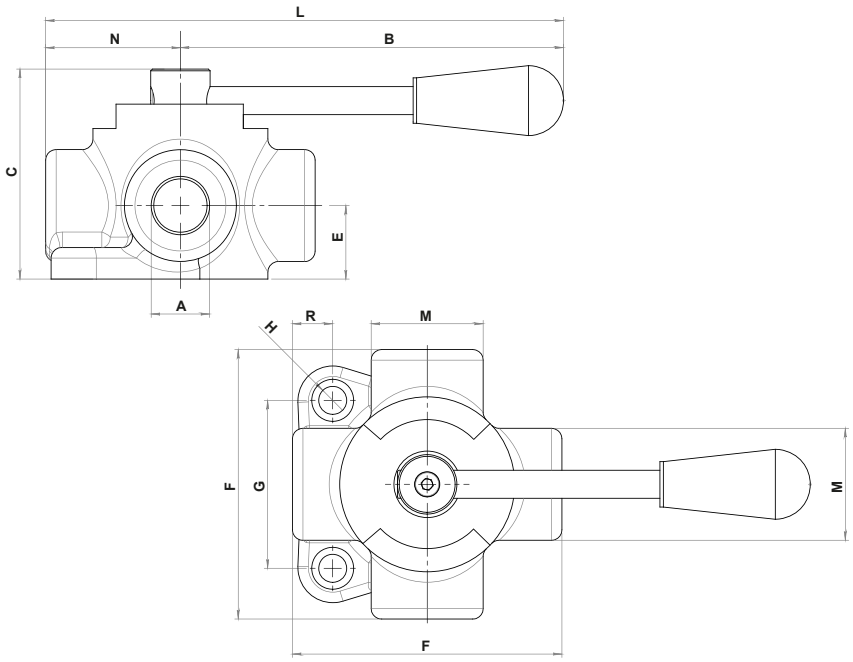
Port Size BSP	
01	1/4
02	3/8
03	1/2
04	3/4
05	1"
07	1" 1/2

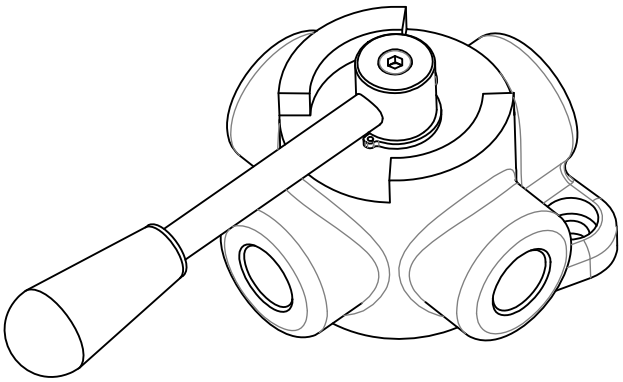
Hydraulic symbol

O	Open Center
C	Closed Center

Ordering Code Example: FD3W02O - 3/8" BSP Ports, open center.

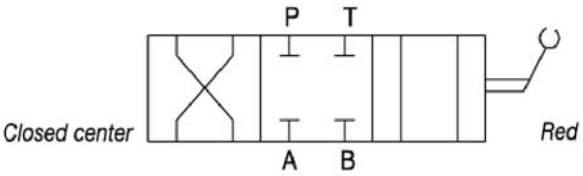
Dimensions

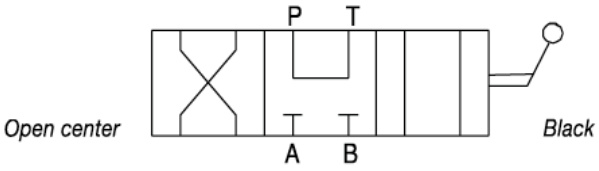




Size	A BSP	B	C	E	F	G	H	L	M	N	R	Weight kg	Max Pressure (bar)
01	1/4	126	70	24	77	53,5	8,5	165	35	39	11	1,33	300
02	3/8	126	70	24	77	53,5	8,5	165	35	39	11	1,27	300
03	1/2	123	80	28	90	68	8,5	168	42	45	10	1,87	250
04	3/4	145	90	32	95	74	8,5	195	49	50	12	2,50	220

Hydraulic Symbol





Ordering Code

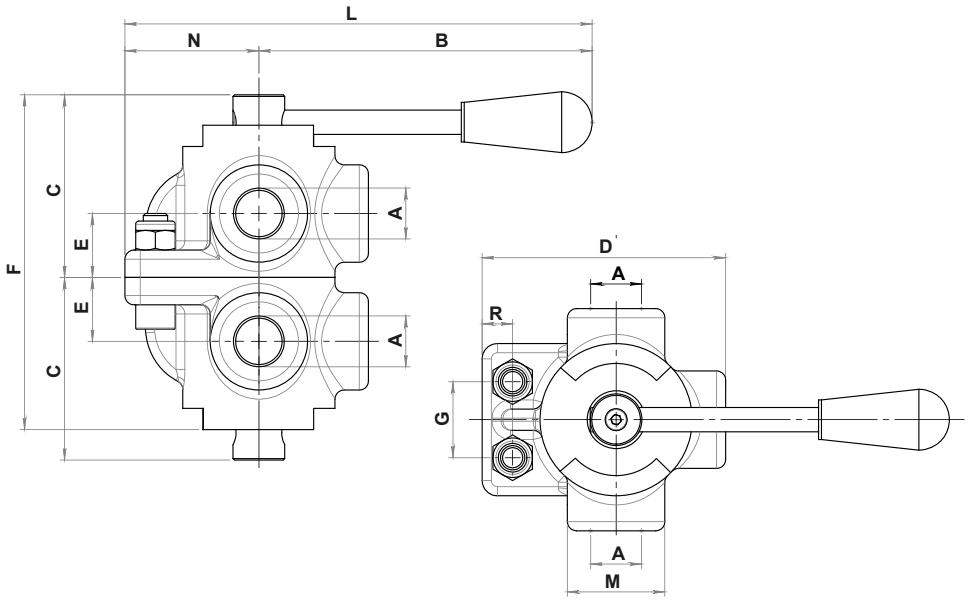
FD4W	- -	-

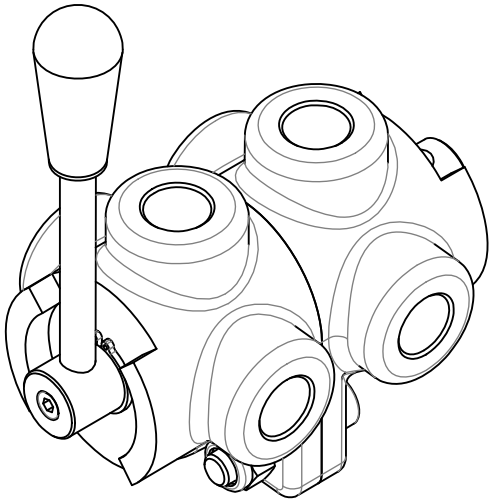
Port Size BSP	
01	1/4
02	3/8
03	1/2
04	3/4

Hydraulic symbol	
O	Open Center
C	Closed Center

Ordering Code Example: FD4W03C - 1/2" BSP Ports, closed center.

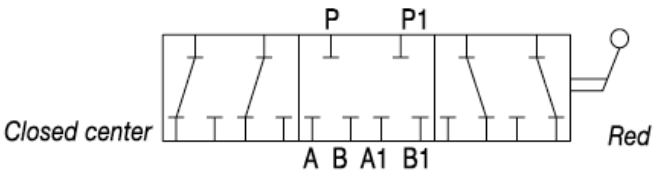
Dimensions

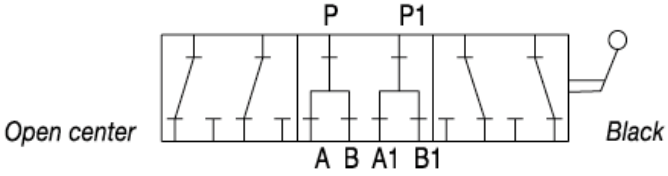




Size	A BSP	B	C	D	E	F	G	L	M	N	R	Weight kg	Max Pressure (bar)
01	1/4	128	62	77	21	146	24	169	35	41	11	1,90	315
02	3/8	128	62	77	21	146	24	169	35	41	11	1,78	315
03	1/2	128	70	96	25	170	32	180	40	52	17	2,90	250
04	3/4	125	80	100	28	180	32	180	45	55	13	3,64	220
05	1	140	90	115	32,5	192	32	207	56	67	14	5,00	220

Hydraulic Symbol





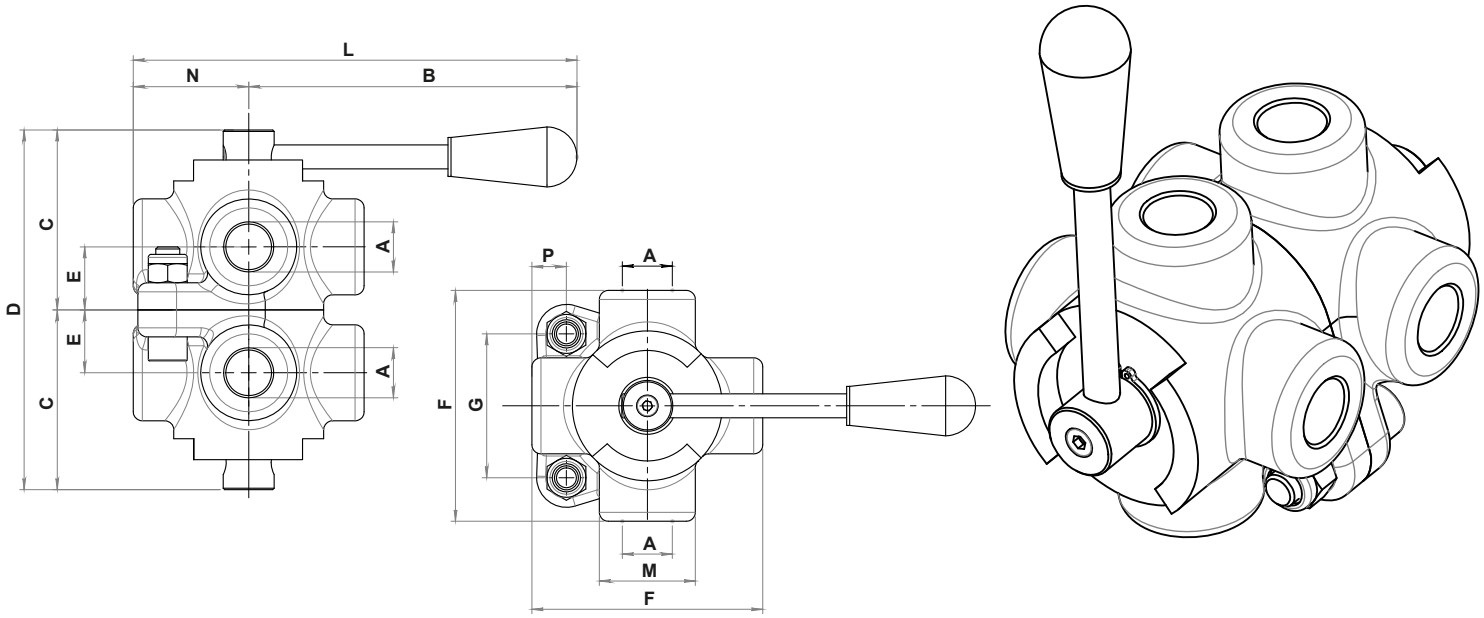
Ordering Code

FD6W	- -	-

	Port Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1"

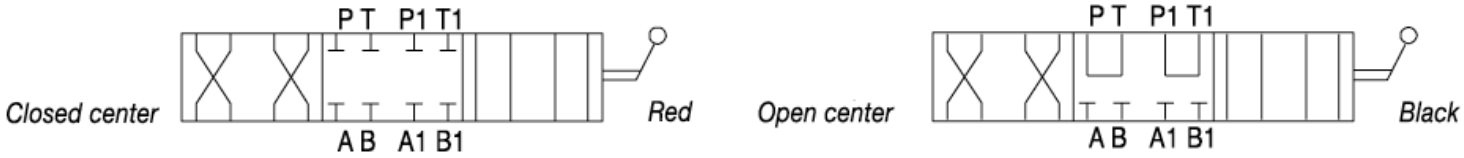
Hydraulic symbol	
O	Open Center
C	Closed Center

Ordering Code Example: FD6W04C - 3/4" BSP Ports, closed center.



Size	A BSP	B	C	D	E	F	G	L	M	N	R	Weight kg	Max Pressure (bar)
01	1/4	126	70	140	24	77	53,5	165	35	39	11	2,7	300
02	3/8	126	70	140	24	77	53,5	165	35	39	11	2,6	300
03	1/2	123	80	160	28	90	68	168	42	45	10	3,8	250
04	3/4	145	90	180	32	95	74	195	49	50	12	5,2	220

Hydraulic Symbol



Ordering Code

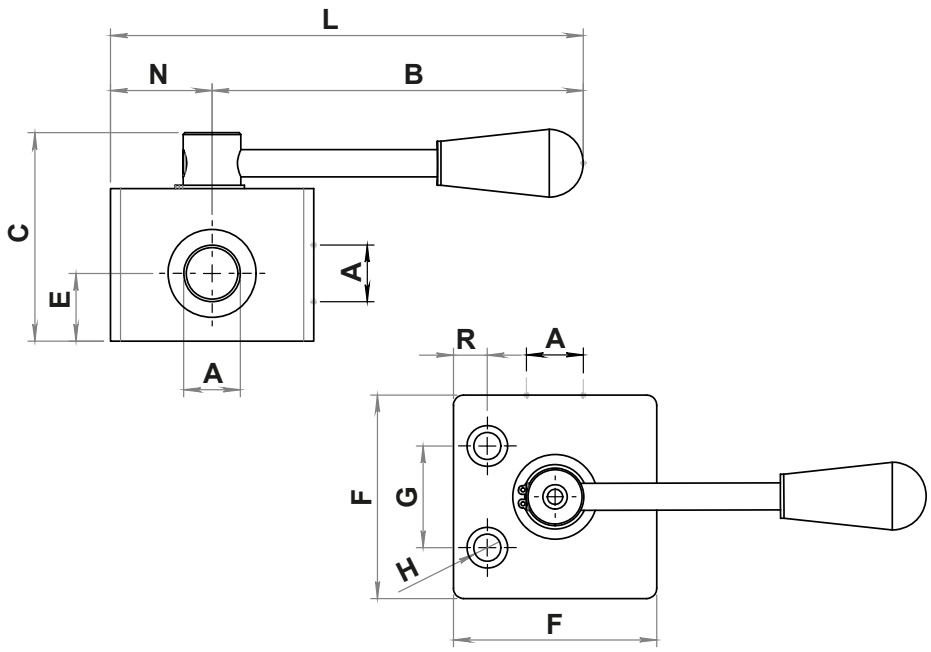
FD8W	- -	-

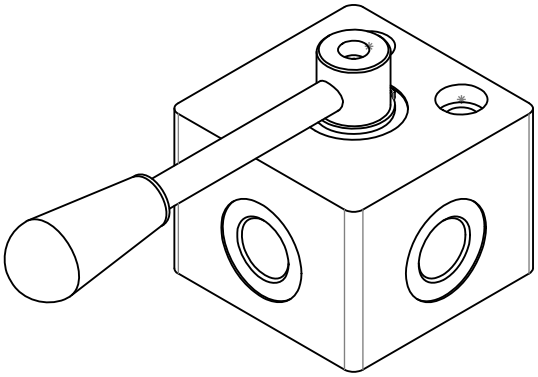
Port Size BSP	
01	1/4
02	3/8
03	1/2
04	3/4

Hydraulic symbol	
O	Open Center
C	Closed Center

Ordering Code Example: FD8W02O - 3/8" BSP Ports, open center.

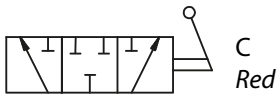
Dimensions

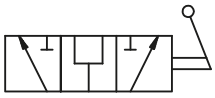




Size	A BSP	B	C	E	F	G	H	L	N	R	Weight kg
01	1/4	127	68	20	60	30	8,5	155	30	10	1,1
02	3/8	127	68	20	60	30	8,5	155	30	10	1,1
03	1/2	127	68	20	60	30	8,5	155	30	10	1,06
04	3/4	127	68	20	80	32	8,5	165	40	14	1,7
05	1	127	68	20	100	37	8,5	187	50	14	3,5

Hydraulic Symbol





Features

Size	01	02	03	04	05
Max Pressure	400 bar	400 bar	400 bar	400 bar	400 bar
Flow	40 lpm	60 lpm	90 lpm	120 lpm	190 lpm
Ports	G 1/4	G 3/8	G 1/2	G 3/4	G 1

Ordering Code

DEV32	- -	-

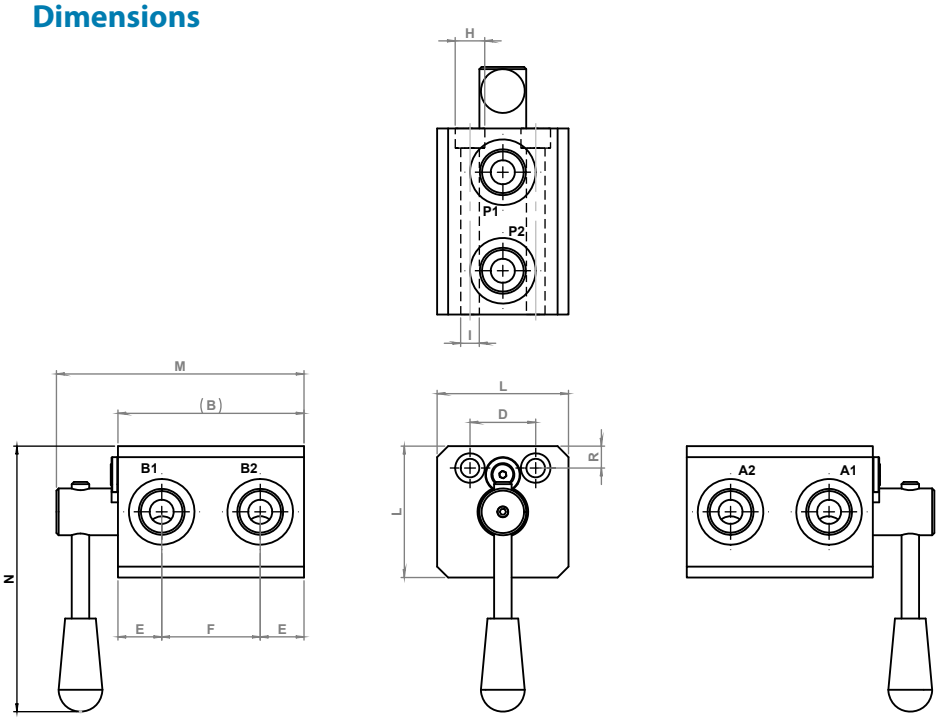
	Port Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1

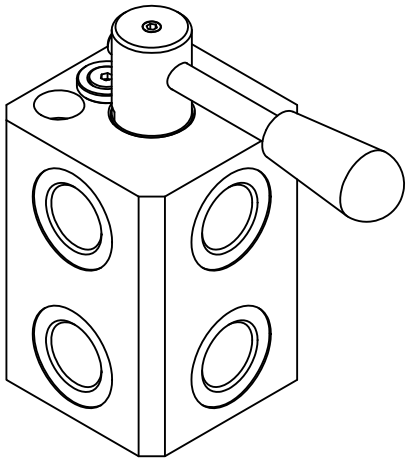
Hydraulic symbol

O	Open Center
C	Closed Center

Ordering Code Example: DEV3203C - 1/2" BSP Ports, closed center.

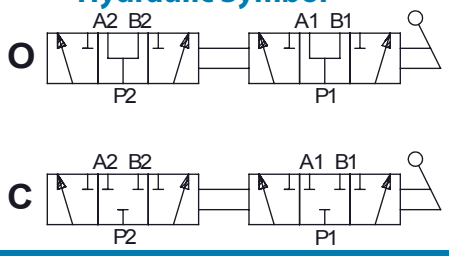
Dimensions





Size	BSP	B	D	E	F	H	I	L	M	N	R	Weight kg
02	3/8	85	30	20	45	13,5	8,5	60	113	167	10,5	2,13
03	1/2	85	30	20	45	13,5	8,5	60	113	167	10,5	2,10
04	3/4	85	32	20	45	13,5	8,5	80	113	177	14,0	3,67

Hydraulic Symbol



Features

Size	02	03	04
Max Pressure	350 bar	350 bar	350 bar
Flow	60 lpm	90 lpm	120 lpm

Ordering Code

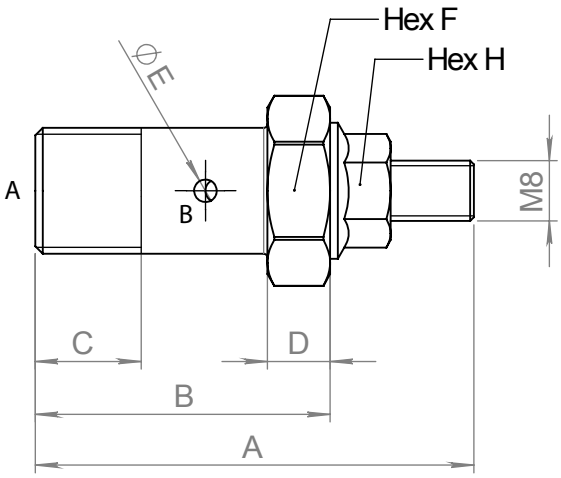
DEV62	- -	-

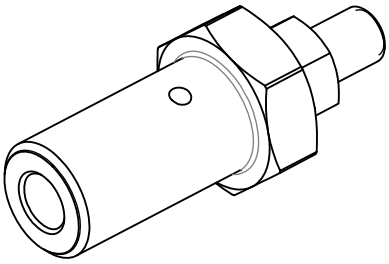
Port Size BSP	
02	3/8
03	1/2
04	3/4

Hydraulic symbol	
O	Open Center
C	Closed Center

Ordering Code Example: DEV6202C - 3/8" BSP Ports, closed center.

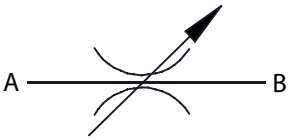
Dimensions





Size	A	B	C	D	E	F	H	Weight kg
01	53	36	14	7,25	2,5	19	13	0,048
02	58	39	14	8,30	3	22	13	0,076
03	64	46	16	8,30	4	27	13	0,120

Hydraulic Symbol



Curves

Features

Materials: Zinc plated steel cartridge

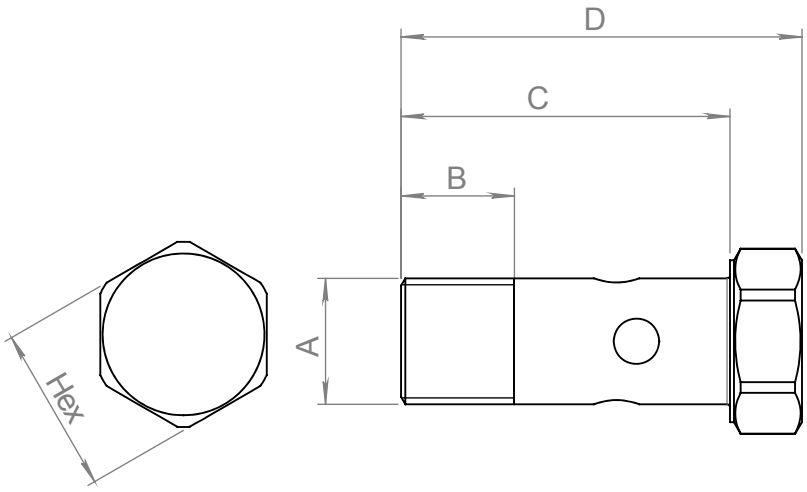
Ordering Code

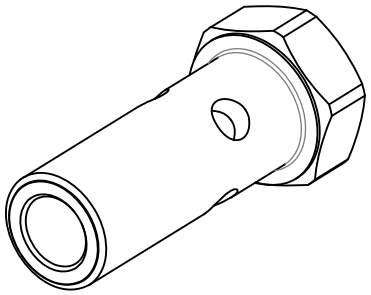
THR	- -

	Screw Size BSP
01	1/4
02	3/8
03	1/2

Ordering Code Example: **THR02** = 3/8 Screw Size

Dimensions





Size	A	B	C	D	Hex	Weight kg
14	1/4	13	26	33	19	0,030
38	3/8	15	31	39	22	0,056
12	1/2	18	38	46	27	0,087

Hydraulic Symbol

Curves

Features

Materials: Zinc plated steel.

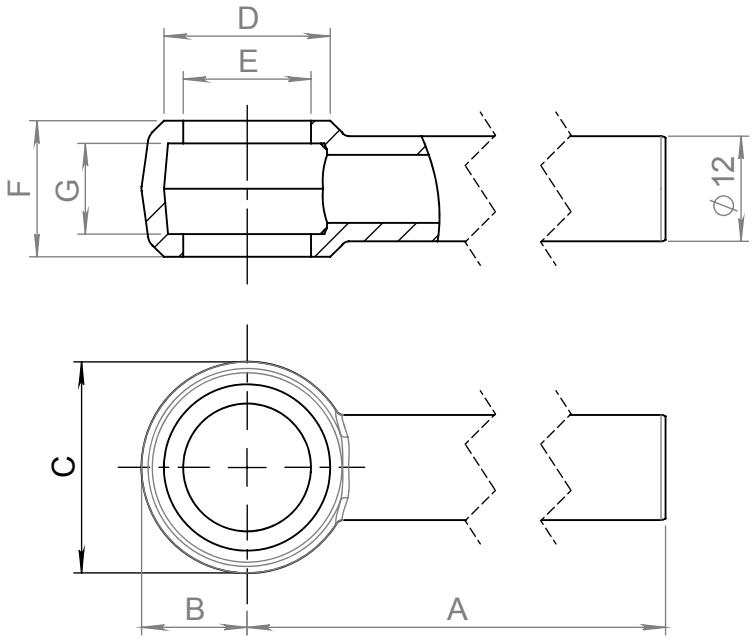
Ordering Code

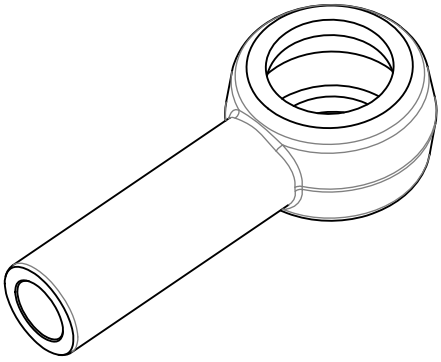
BOLT	- -

	Screw Size BSP
14	1/4
38	3/8
12	1/2

Ordering Code Example: THR02 = 3/8 Screw Size

Dimensions





Hydraulic Symbol

Size	A	B	C	D	E	F	G
14	*	10	24	17	13	15	9
38	*	12	28	22	16,9	18	7

* For dimension **A**, see the **Ordering Code** section below.

Materials: Zinc plated steel.

Ordering Code

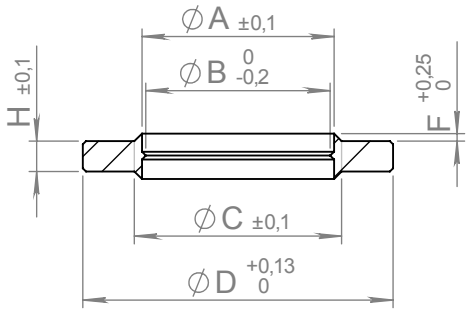
TUBE	- -	12	- -

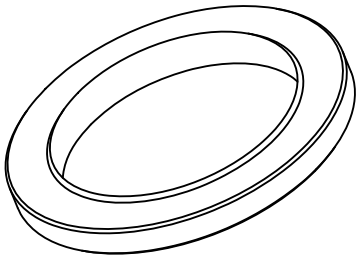
Screw Size BSP	
14	1/4
38	3/8

Center to center Lenght (mm)	14	38
	A	A
38	38	-
40	-	40
45	45	-
60	60	60
100	100	100
150	150	150
200	200	200
250	250	250
300	300	300
350	350	350
400	400	400
450	450	450
500	500	500

Ordering Code Example: **TUBE3812350** = Tube Size 3/8", Ø 12 mm, "A" lenght (center to center) 350 mm.

Dimensions





Size	THREAD BSP	A	B	C	D	F	H	MINIMUM BURST PRESSURE (bar)
01	1/4	13,74	11,45	15,21	20,57	0,3	2,1	1550
02	3/8	17,28	14,96	18,75	23,80	0,3	2,1	1260
03	1/2	21,54	18,64	23,01	28,58	0,4	2,5	1150
04	3/4	27,05	24,13	28,53	34,93	0,4	2,5	1060
05	1	33,89	30,30	36,88	42,80	0,5	3,4	790
06	1-1/4	42,93	38,96	45,93	52,38	0,5	3,4	690
07	1-1/2	48,44	44,86	51,39	58,60	0,5	3,4	690

Curves

Features

Materials: Zinc plated steel ring, BUNA-N seals

Ordering Code

BS	- -

	Size BSP
01	1/4
02	3/8
03	1/2
04	3/4
05	1
06	1 1/4
07	1 1/2



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