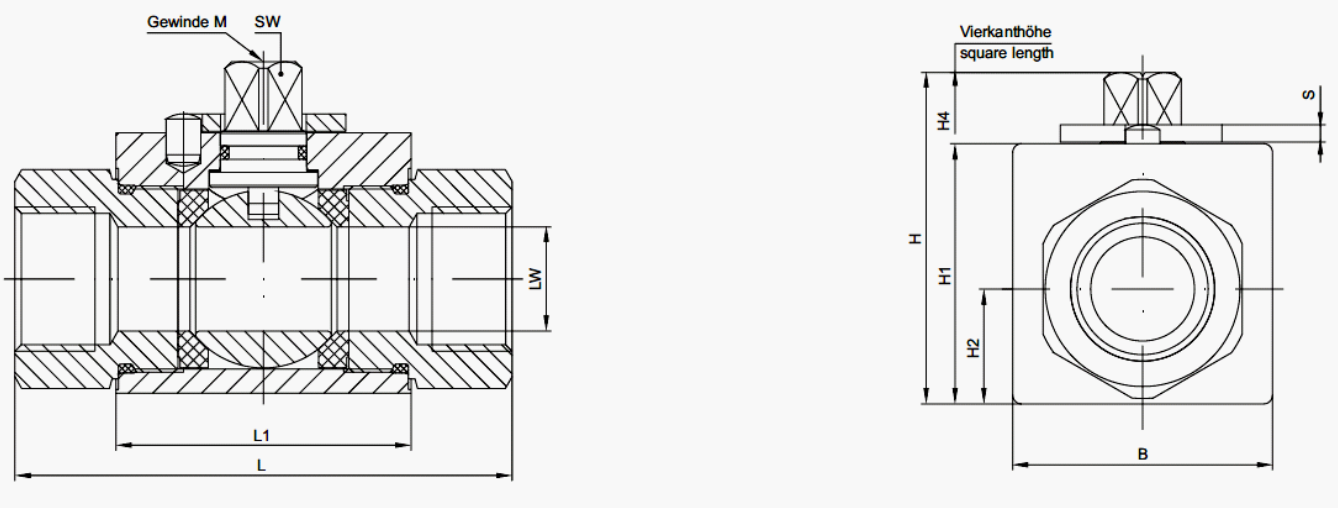
BK .P

Kogelkraan

Huis, kogel uitgevoerd in staal



Maten huis

DN mm	LW mm	*PN bar	L1 mm	B mm	H mm	H1 mm	H2 mm	H4 mm	SW mm	M	S mm
4	5	500	36,2	26	43,4	32	12,8	11	9	M5	3
6	6	500	36,2	26	43,4	32	12,8	11	9	M5	3
8	8	500	36,2	26	43,4	32	12,8	11	9	M5	3
10	10	500	43,2	32	49,2	38	16,25	10,9	9	M5	3
13	13	500	48,2	35	51,2	40	17,25	10,9	9	M5	3
16	15	500	48,2	38	61,9	46	18,7	15,5	12	M6	3,5
20	20	400	62,2	49	73,4	57	24,5	16	14	M6	4
25	24	350	66,2	60	76,6	60	26,5	16	14	M6	4

BK .P

Kogelkraan

Mogelijke schoefdraden

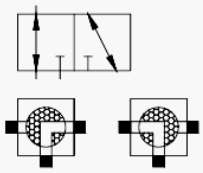
	Anschlußart/Connection	DN mm	LW mm	D	RA mm	L mm	i mm	SW1 mm	Gew./weight kg
01	Rohrgewinde DIN/ISO 228 BSP female thread DIN/ISO 228	4	5	G ⅛	—	69	8	22	0,35
		6	6	G ¼	—	69	12	22	0,35
		10	8	G ⅜	—	69	12	22	0,35
		10	10	G ⅜	—	73	12	27	0,5
		13	13	G ½	—	85	14	30	0,65
		16	15	G ½	—	84	14	32	0,75
		20	20	G ¾	—	96	16	41	1,5
		25	24	G 1	—	113	18	46	2
		32	24	G 1 ¼	—	121	20	50	2,1
		40	24	G 1 ½	—	124	22	55	2,1
02	NPT-Innengewinde ANSI B 1.20.1 NPT female thread ANSI B 1.20.1	4	5	⅛-27 NPT	—	69	8	22	0,35
		6	6	¼-18 NPT	—	69	11,5	22	0,35
		10	10	⅜-18 NPT	—	73	12	27	0,5
		13	13	½-14 NPT	—	92	15,5	30	0,65
		20	20	¾-14 NPT	—	97	16	41	1,5
		25	24	1 - 11,5 NPT	—	113	19	46	2
		32	24	1 ¼-11,5 NPT	—	131	19,5	50	2,1
		40	24	1 ½-11,5 NPT	—	139	19,5	55	2,3
03	Rohrverschraubung DIN 2353 L leichte Reihe For compression fitting DIN 2353 L light series	4	5	M 12x1,5	6	67	7,5	22	0,3
		6	6	M 14x1,5	8	67	7,5	22	0,3
		8	8	M 16x1,5	10	71	8,5	22	0,3
		10	8	M 18x1,5	12	71	8,5	22	0,3
		10	10	M 18x1,5	12	75	8,5	27	0,5
		13	10	M 22x1,5	15	77	9,5	27	0,5
		13	13	M 22x1,5	15	84	9,5	30	0,6
		16	13	M 26x1,5	18	84	9,5	30	0,6
		16	13	M 22x1,5	15	83	9,5	32	0,75
		16	15	M 26x1,5	18	83	9,5	32	0,75
		20	20	M 30x2	22	102	12	41	1,5
		25	24	M 36x2	28	108	12	46	2
		32	24	M 45x2	35	114	13,5	50	2,1
		40	24	M 52x2	42	114	13,5	55	2,2
04	Rohrverschraubung DIN 2353 S schwere Reihe For compression fitting DIN 2353 S heavy series	4	5	M 14x1,5	6	71,5	9,5	22	0,35
		4	5	M 16x1,5	8	73	9,5	22	0,35
		6	6	M 18x1,5	10	73	9,5	22	0,35
		8	8	M 20x1,5	12	77	9,5	22	0,35
		10	10	M 22x1,5	14	84	11,5	27	0,5
		13	13	M 24x1,5	16	87	11,5	30	0,6
		16	13	M 30x2	20	91	13,5	30	0,65
		16	13	M 24x1,5	16	87	11,5	32	0,75
		16	15	M 30x2	20	91	13,5	32	0,75
		20	20	M 36x2	25	110	15	41	1,5
		25	24	M 42x2	30	120	17	46	2,1
		32	24	M 52x2	38	125	19	55	2,3
31	UN/UNF-Einschraubgewinde SAE J514 UN/UNF female thread SAE J514	6	6	7/16-20 UNF-2B	—	69	11,5	22	0,35
		10	10	9/16-18 UNF-2B	—	75	12,7	27	0,5
		13	13	¾-16 UNF-2B	—	85	14,3	30	0,65
		16	15	⅞-14 UNF-2B	—	84	16,7	32	0,75
		20	20	1 1/16-12 UN-2B	—	96	19	41	1,5
		25	24	1 5/16-12 UN-2B	—	114	19	46	2
		32	24	1 5/8-12 UN-2B	—	122	19	50	2,2
		40	24	1 7/8-12 UN-2B	—	128	19	60	2,4

DBK .P

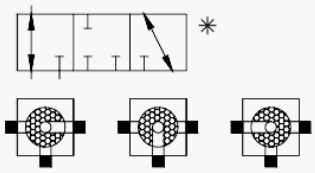
3-weg kogelkraan

Huis en kogel uitgevoerd in staal

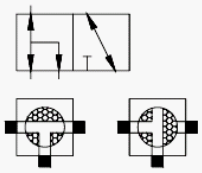
L-Bohrung 0°-90°
L-bore
Best-Nr./order-code: **L**



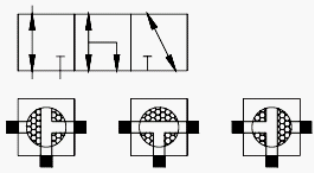
L-Bohrung, pos. Überdeckung 0°-90°-180°
L-bore positive overlap
Best-Nr./order-code: **P**



T-Bohrung 0°-90°
T-bore
Best-Nr./order-code: **T**



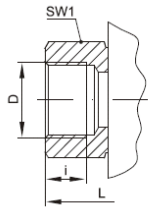
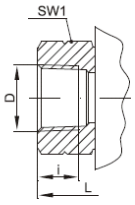
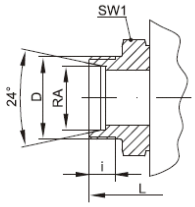
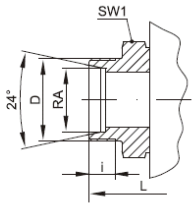
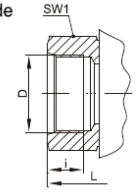
T-Bohrung 0°-90°-180°
T-bore
Best-Nr./order-code: **T180°**



DN mm	*PN bar	L1 mm	B mm	H mm	H1 mm	H2 mm	H4 mm	M	S mm	SW mm
4	400	36	26	43,5	32	13	10,9	M5	3	9
6	400	36	26	43,5	32	13	10,9	M5	3	9
8	400	36	26	43,5	32	13	10,9	M5	3	9
10	400	43	32	49	38	16,5	10,9	M5	3	9
13	350	48	35	51	40	17,5	10,9	M5	3	9
16	350	48	38	62	46	19	15,5	M6	3,5	12
20	350	61	49	73	57	24,5	16	M6	4	14
25	350	65	60	76	60	26,5	16	M6	4	14
32	350	80	76	104	84	38	18,5	M8	5	17
40	350	85	83	111	92	41,5	18,5	M8	5	17
50	350	100	100	130	111	50	18,5	M8	5	17

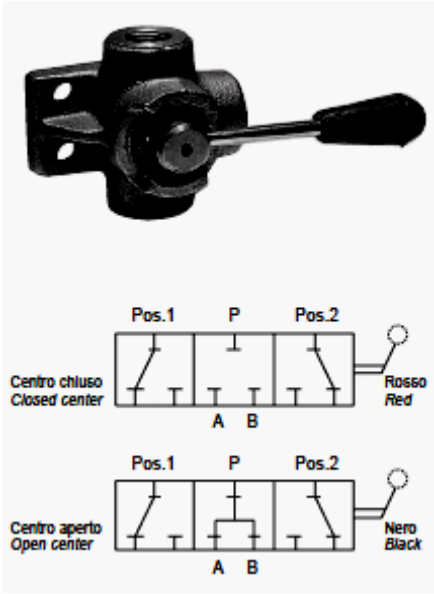
DBK .P

3-weg kogelkraan

	Anschlußart/Connection	DN mm	LW mm	D	RA mm	L mm	L10 mm	i mm	SW1 mm	Gew./weight kg
01	Rohrgewinde DIN/ISO 228 BSP female thread DIN/ISO 228 	4	5	G ⅛	—	69	32	8	22	0,4
		6	6	G ¼	—	69	32	12	22	0,4
		10	7	G ⅜	—	69	37	12	22	0,4
		10	9	G ⅜	—	73	35	12	27	0,55
		13	11,5	G ½	—	85	37	14	30	0,7
		16	14	G ½	—	84	38	14	32	0,8
		20	18	G ¾	—	96	47	16	41	1,55
		24	22	G 1	—	113	55	18	46	2,1
		32	22	G 1 ¼	—	121	55	20	50	2,2
		40	22	G 1 ½	—	124	56	22	55	2,4
		32	30	G 1 ¼	—	110	70	20	60	3,4
		40	35	G 1 ½	—	120	74	22	70	4,2
		50	44	G 2	—	140	85	24	85	6,1
02	NPT-Innengewinde ANSI B 1.20.1 NPT female thread ANSI B 1.20.1 	4	5	⅛-27 NPT	—	69	32	8	22	0,4
		6	6	¼-18 NPT	—	69	32	11,5	22	0,4
		10	9	⅜-18 NPT	—	73	35	12	27	0,55
		16	11,5	½-14 NPT	—	92	42	15,5	30	0,7
		20	18	¾-14 NPT	—	97	47	16	41	1,55
		25	22	1 - 11,5 NPT	—	113	55	19	46	2,1
		32	22	1 ¼-11,5 NPT	—	131	55	19,5	50	2,2
		40	22	1 ½-11,5 NPT	—	139	74	19,5	55	2,5
		32	30	1 ¼-11,5 NPT	—	115	70	19,5	60	3,4
		40	35	1 ½-11,5 NPT	—	135	75	19,5	70	4,2
		50	44	2 -11,5 NPT	—	140	85	20	85	6,2
03	Rohrverschraubung DIN 2353 L leichte Reihe For compression fitting DIN 2353 L light series 	4	5	M 12x1,5	6	67	32	7,5	22	0,35
		6	6	M 14x1,5	8	67	32	7,5	22	0,35
		8	7	M 16x1,5	10	71	32	8,5	22	0,35
		10	7	M 18x1,5	12	71	32	8,5	22	0,35
		10	9	M 18x1,5	12	75	35	8,5	27	0,55
		13	9	M 22x1,5	15	77	40	9,5	27	0,55
		13	11,5	M 22x1,5	15	84	42	9,5	30	0,65
		16	11,5	M 26x1,5	18	84	42	9,5	30	0,65
		16	14	M 26x1,5	18	83	43	9,5	32	0,8
		20	18	M 30x2	22	102	47	12	41	1,6
		25	22	M 36x2	28	108	55	12	46	2,1
		32	22	M 45x2	35	114	60	13,5	50	2,2
		40	22	M 52x2	42	114	60	13,5	55	2,4
		32	30	M 45x2	35	128	69	13,5	60	3,2
		40	35	M 52x2	42	133	74	13,5	70	4
04	Rohrverschraubung DIN 2353 S schwere Reihe For compression fitting DIN 2353 S heavy series 	4	5	M 14x1,5	6	71,5	32	9,5	22	0,4
		4	5	M 16x1,5	8	73	32	9,5	22	0,4
		6	6	M 18x1,5	10	73	32	9,5	22	0,4
		8	7	M 20x1,5	12	77	32	9,5	22	0,4
		10	9	M 22x1,5	14	84	35	11,5	27	0,55
		13	11,5	M 24x1,5	16	87	42	11,5	30	0,65
		16	11,5	M 30x2	20	91	42	13,5	30	0,7
		16	14	M 30x2	20	91	43	13	32	0,8
		20	18	M 36x2	25	110	47	15	41	1,6
		25	22	M 42x2	30	120	55	17	46	2,1
		32	30	M 52x2	38	140	74	19	50	3,2
31	UN/UNF-Einschraubgewinde SAE J514 UN/UNF female thread SAE J514 	6	6	7/16-20 UNF-2B	—	69	32	11,5	22	0,4
		10	10	9/16-18 UNF-2B	—	75	35	12,7	27	0,55
		13	13	¾-16 UNF-2B	—	85	37	14,3	30	0,7
		20	20	1 1/16-12 UN-2B	—	96	50	19	41	1,55
		25	24	1 5/16-12 UN-2B	—	114	60	19	46	2,1
		32	32	1 5/8-12 UN-2B	—	110	70	19	60	3,4
		40	38	1 7/8-12 UN-2B	—	117	74	19	70	4,2
		50	48	2 ½-12 UN-2B	—	140	85	19	80	6,1

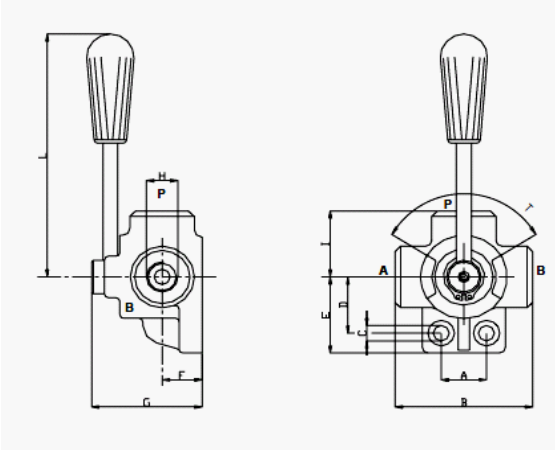
DDF3V..A

3-weg kogelkraan



Uitgevoerd in gegoten staal

Maten	02	03	04	05	07
Max. druk bar	315	280	250	250	200
Max. flow l/min	60	90	120	180	280



Maat	A	B	C	D	E	F	G	H	I	L	Tº	GEWICHT KG
02	24	73	8,5	31	42	21	62	3/8	36	125	100	0,87
03	30	85	11	36	53	24	70	1/2	43	125	100	1,45
04	32	91	11	41	58	28	80	3/4	47	125	100	1,84
05	32	98	11	50	64	31,5	90	1	51	160	100	2,51
07	42	130	11	64	80	44	115	1 1/2	65	160	100	6,10

TL

Aster kogelkraan maximale werkdruk tot 25 bar

De Aster kogelafsluiter is ontworpen voor veiligheid en kwaliteit, rekening houdend met de vraag naar een scherpe prijs.

Toepassing: Industrie, land- en tuinbouw, C.V., drinkwater, hydrauliek en pneumatiek.

Afdichtingen: Kogel: PTFE.
Kogelas: 2 x VITON O-ring + 1 x vlakke PTFE drukring.

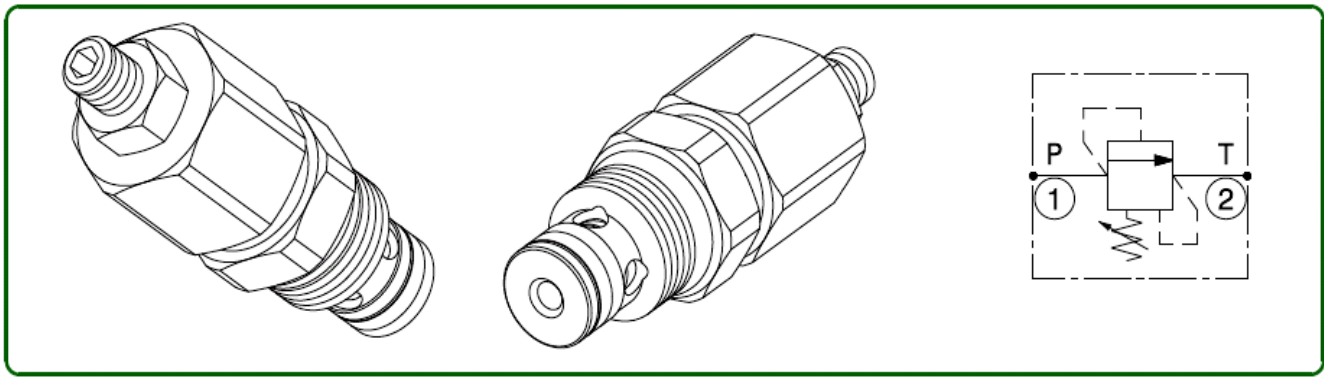
Materiaal:

Huis:	Warm geperst vernikkeld messing (CuZn40PB2) UNI5705-65.
Kogel:	Messing, hardverchroomd (CuZn40PB2) UNI5705-65.
Kogelas:	Messing (CuZn40PB2) UNI5705-65.
Handel:	Gespoten aluminium, polyurethaan gecoat/blauw UNI5067.
Borgmoer:	Verzinkt staal.
Schroefdraad:	BSP.

Nummer	LENGTE mm	HOOGTE mm	SW	DRUK bar
TL 1/4	37	54	8	25
TL 3/8	42	54	10	22
TL 1/2	50	61	15	18
TL 3/4	58	72	20	18
TL 1	69	80	25	14
TL 1 1/4	81	99	32	10
TL 1 1/2	93	111	40	10
TL 2	110	135	50	8
TL 2 1/2	133	172	65	8
TL 3	156	195	80	4
TL 4	193	226	100	4

VLP05C

Cartridge overdrukventiel



Portata massima *Max flow*	5 l/min
Pressione massima *Max pressure*	400 bar
Coppia di serraggio *Installation torque*	12 ÷ 15 Nm

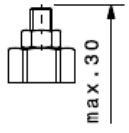
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**
01	**80**	**20÷100**
02	**180**	**40÷250**
03	**250**	**60÷400**

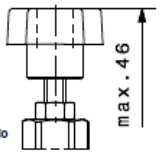
Regolazioni
Adjustments

A

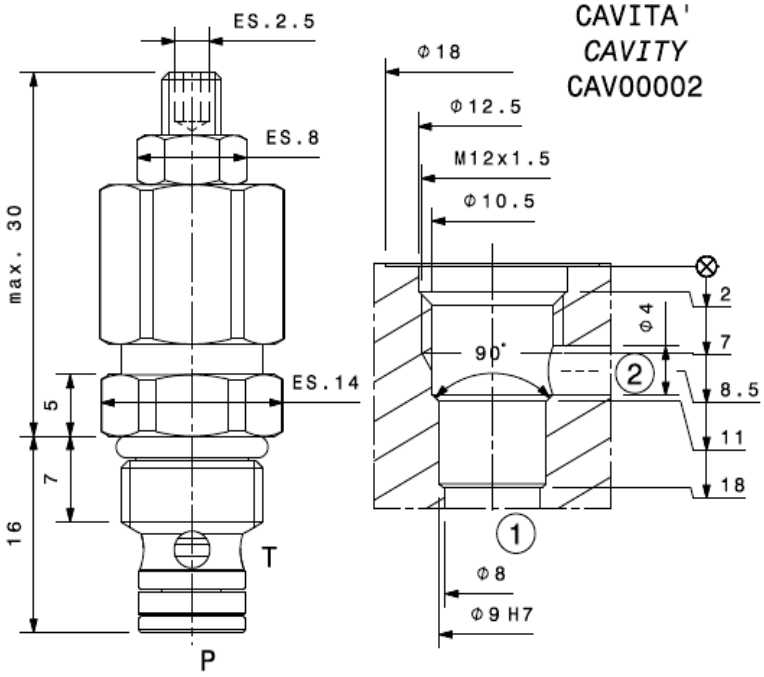


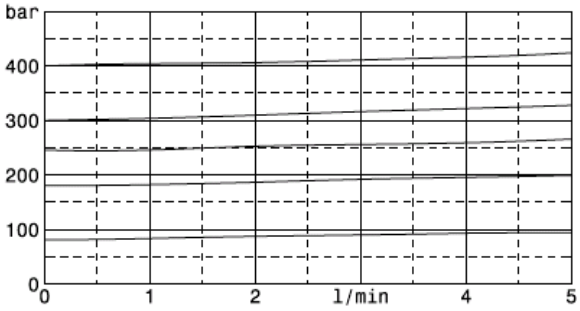
Vite esterna esagono incassato
Leakproof hex socket srcew

B



Volantino e dado
Handknob and locknut





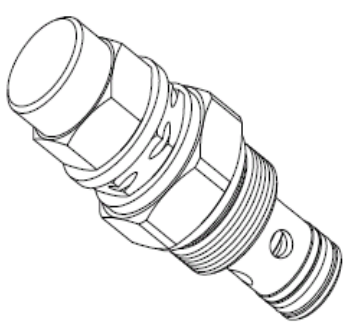
Sigla di ordinazione / Ordering code

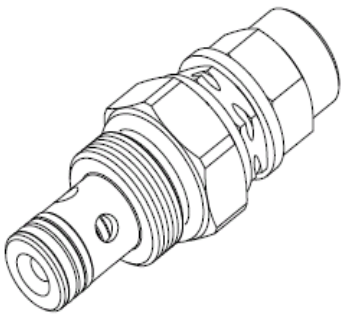
VLP5-C — 02 — A

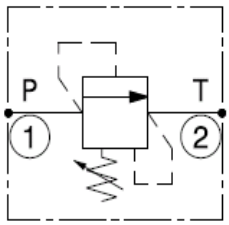
Modello *Type*	Codice Taratura *Setting code* **01, 02, 03**	Codice regolazione *Adjustment code* **A, B**

VLP10C

Cartridge overdrukventiel





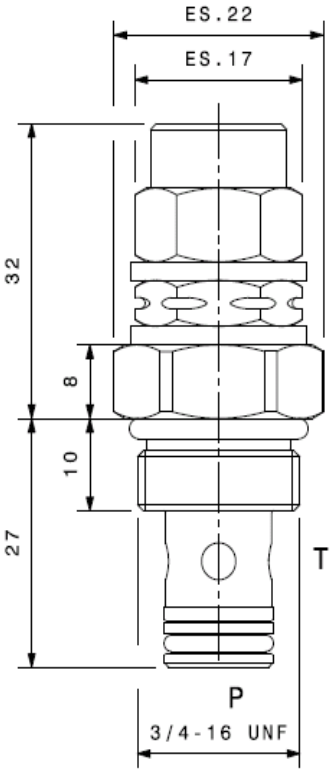


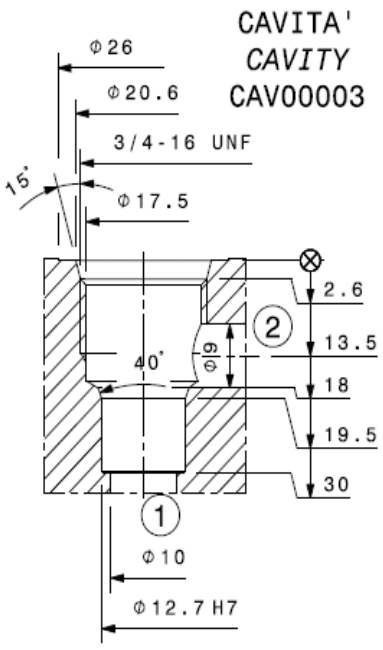
Portata massima *Max flow*	10 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	23 ÷ 26 Nm

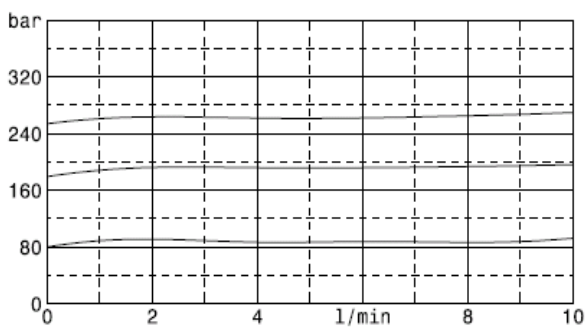
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***







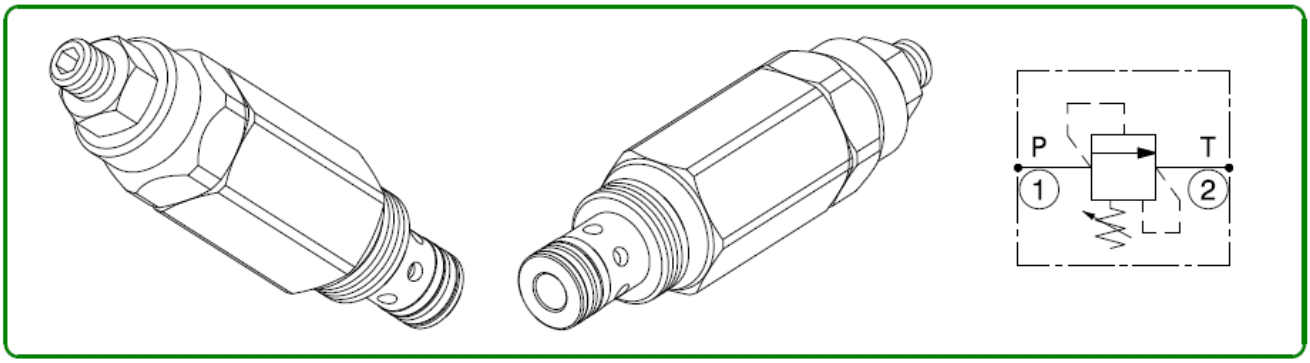
Sigla di ordinazione / Ordering code

VLP10-C — 02 — D

- VLP10-C: Modello / *Type*
- 02: Codice Taratura / *Setting code* — **01, 02, 03**
- D

VLP30C

Cartridge overdrukventiel

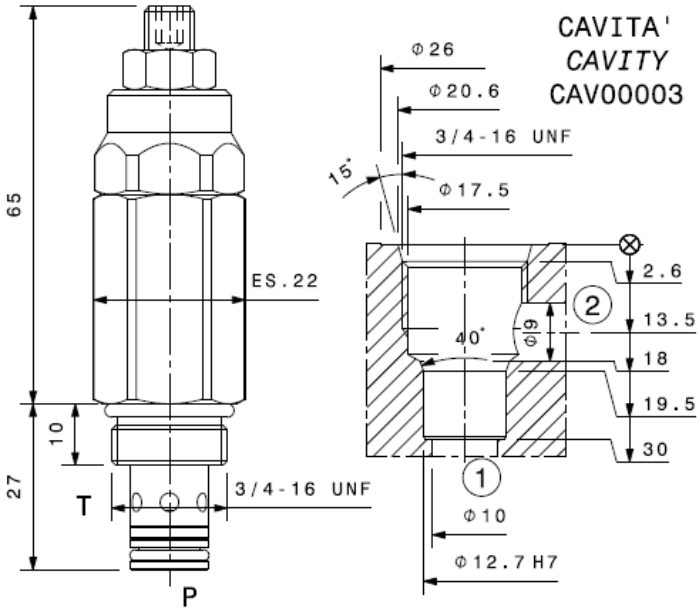


Portata massima *Max flow*	30 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	30 ÷ 35 Nm

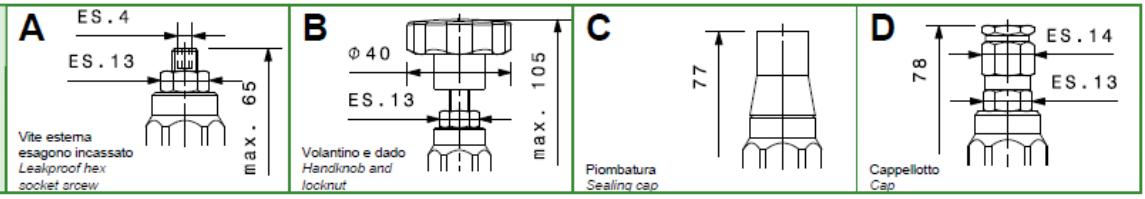
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Taratura
Setting

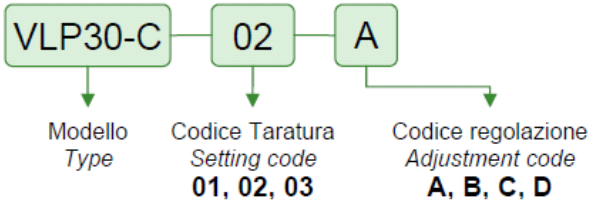
Codice *Code*	Taratura standard *Standard setting* bar (Q=5 l/min)	Campo di taratura *Adj. Pressure range* bar	Colore molla *Spring colour*
01	80	20÷100	Bianco *White*
02	180	40÷250	Giallo *Yellow*
03	250	60÷350	Nero *Black*

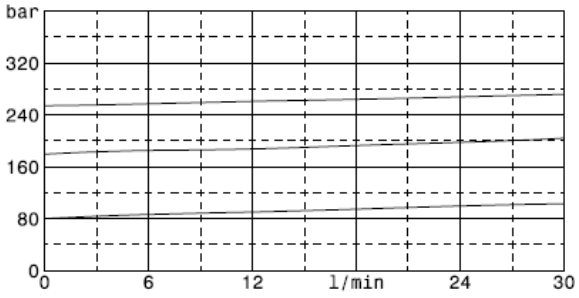


Regolazioni
Adjustments



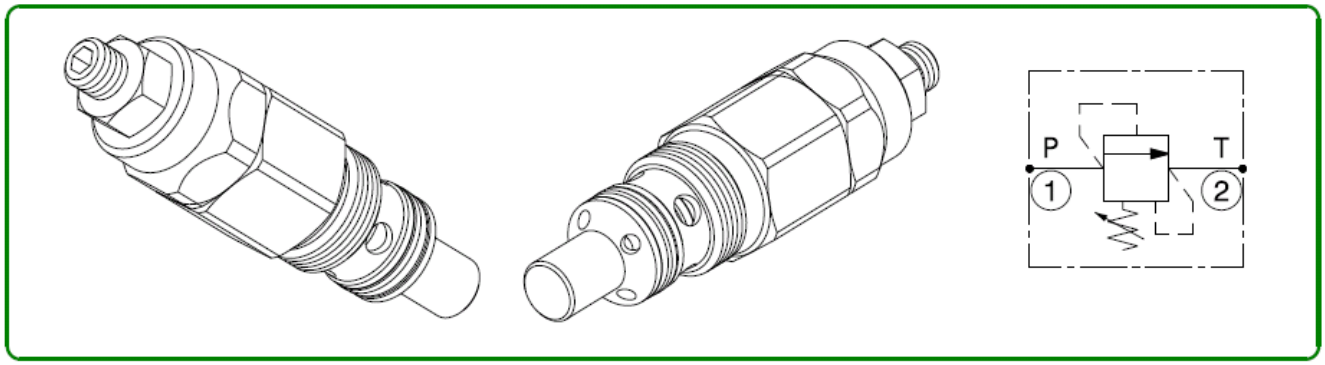
Sigla di ordinazione / Ordering code





VLP40C

Cartridge overdrukventiel

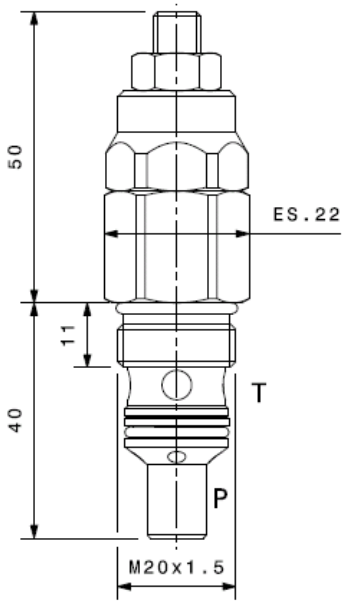


Portata massima *Max flow*	40 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	27 ÷ 30 Nm

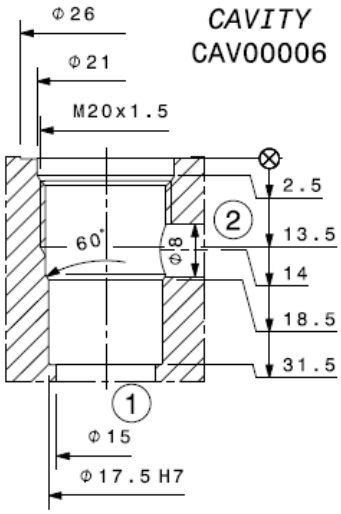
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
00	**40**	**5÷40**	**Nero** ***Black***
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***

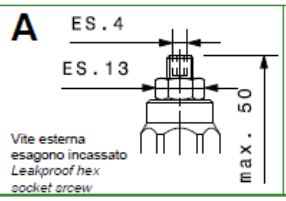


CAVITA'
CAVITY
CAV00006



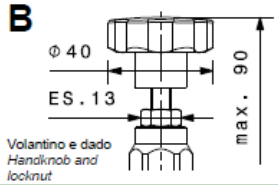
Regolazioni
Adjustments

A



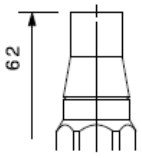
Vite esterna esagono incassato
Leakproof hex socket screw

B



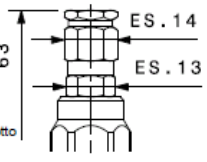
Volantino e dado
Handknob and locknut

C



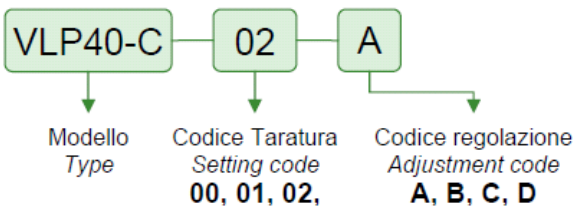
Piombatura
Sealing cap

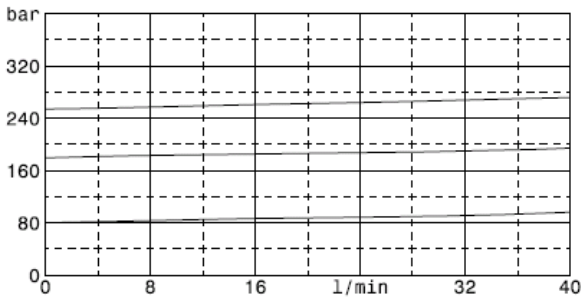
D



Cappellotto
Cap

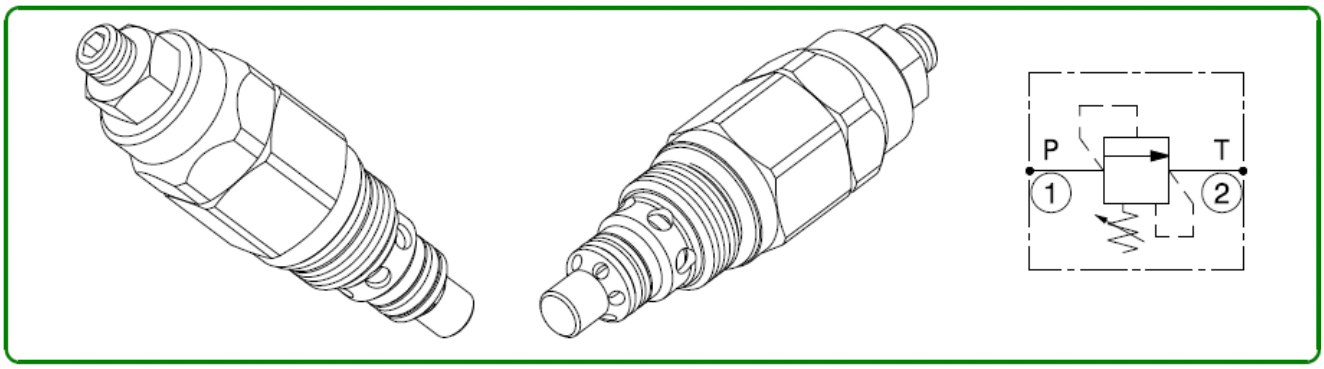
Sigla di ordinazione / Ordering code





VLP4008C

Cartridge overdrukventiel

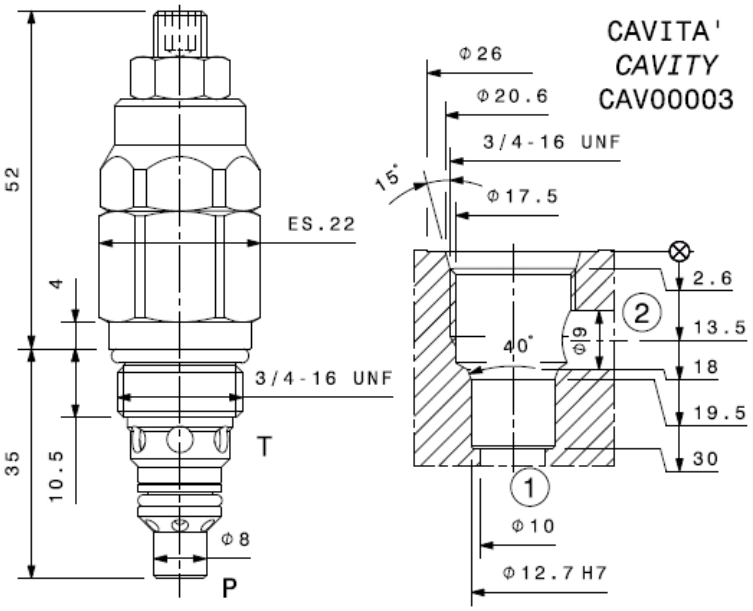


Portata massima *Max flow*	40 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	30 ÷ 35 Nm

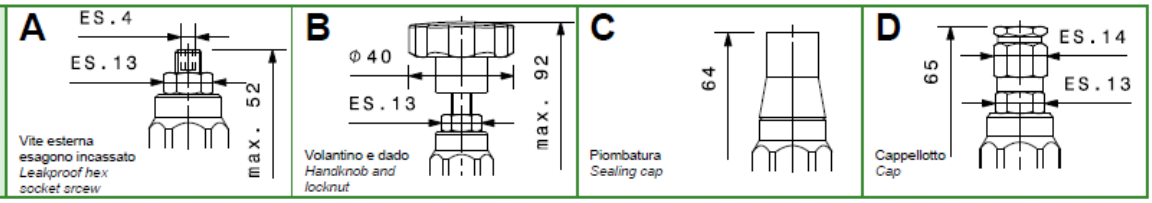
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
00	**40**	**5÷40**	**Nero** *Black*
01	**80**	**20÷100**	**Bianco** *White*
02	**180**	**40÷250**	**Giallo** *Yellow*
03	**250**	**60÷350**	**Nero** *Black*



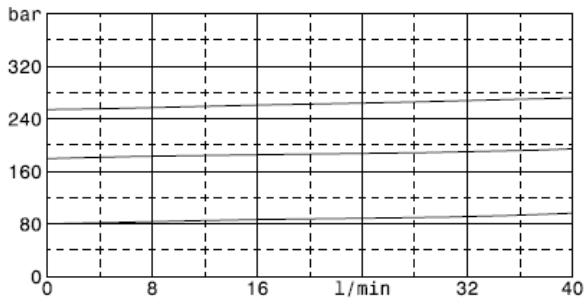
Regolazioni
Adjustments



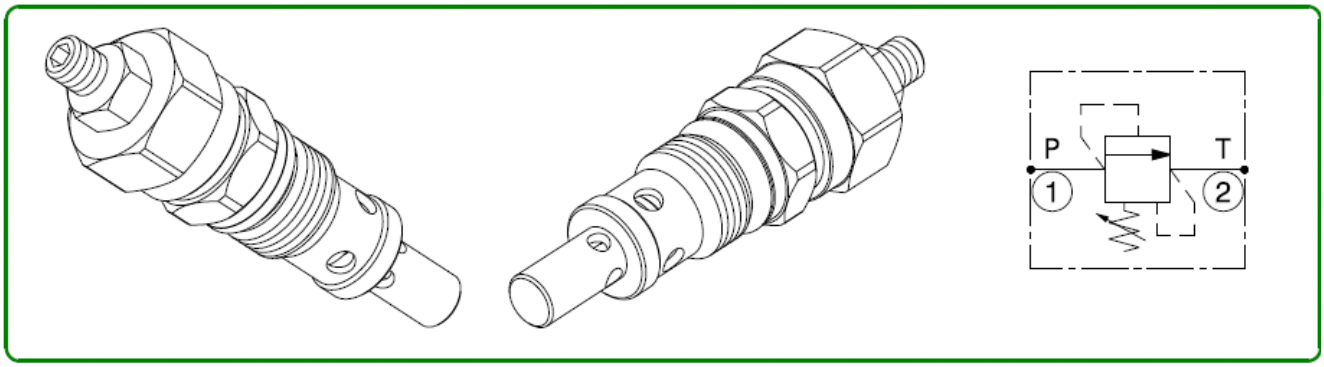
Sigla di ordinazione / Ordering code

VLP4008-C — 02 — A

Modello *Type*	Codice Taratura *Setting code* **00, 01, 02, 03**	Codice regolazione *Adjustment code* **A, B, C, D**



VLP45C
Overdrukventiel

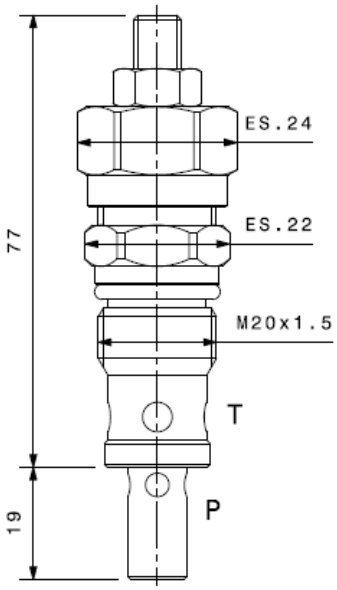


Portata massima *Max flow*	45 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	45 ÷ 50 Nm

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
00	**40**	**5÷40**	**Nero** ***Black***
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***



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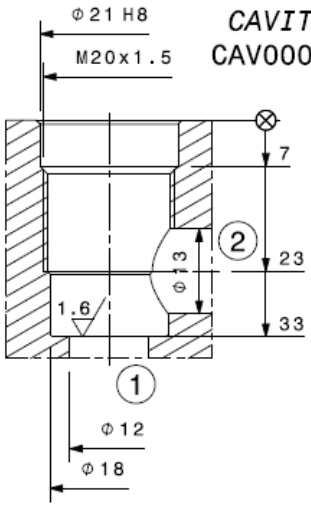
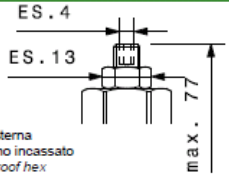
CAV00005



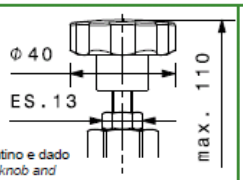
Regolazioni
Adjustments

A



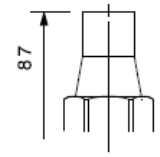
Vite esterna esagono incassato
Leakproof hex socket screw

B



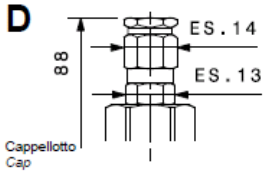
Volantino e dado
Handknob and locknut

C



Piombatura
Sealing cap

D

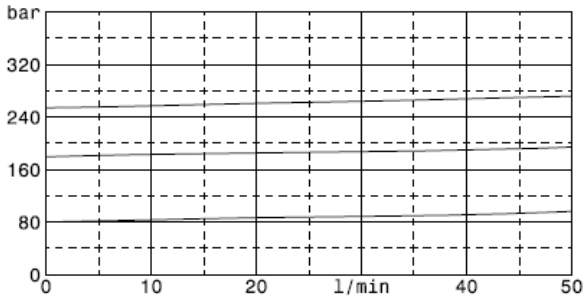


Cappellotto
Cap

Sigla di ordinazione / Ordering code

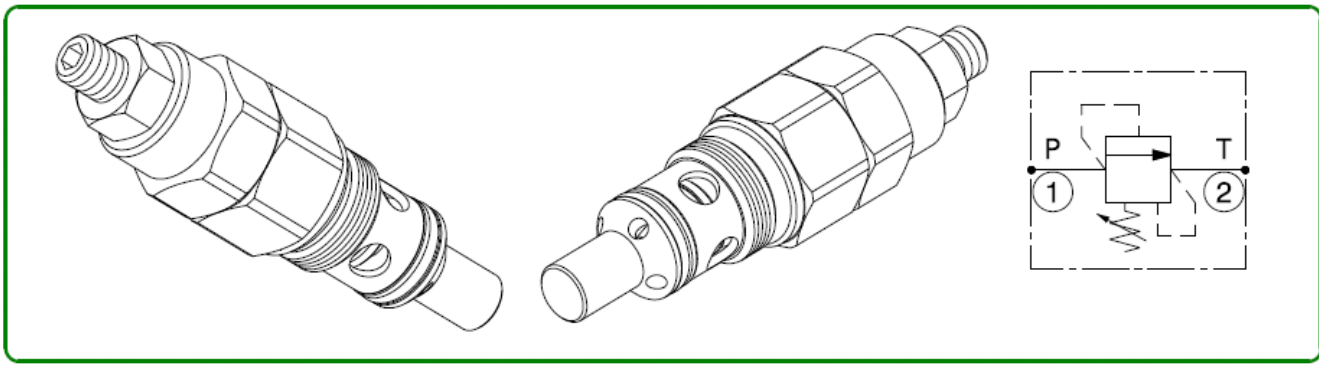
VLP45-C — 02 — A

Modello *Type*	Codice Taratura *Setting code* **00, 01, 02,**	Codice regolazione *Adjustment code* **A, B, C, D**



VLP80C

Cartridge overdrukventiel

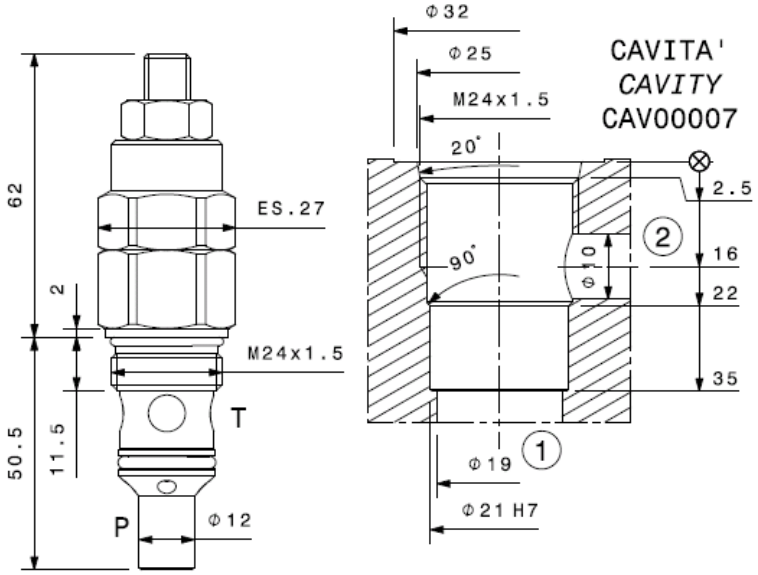


Portata massima *Max flow*	80 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	65 ÷ 70 Nm

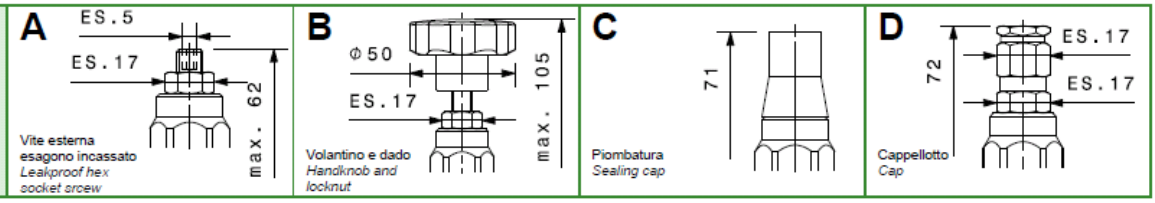
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
00	**40**	**5÷40**	**Nero** ***Black***
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***



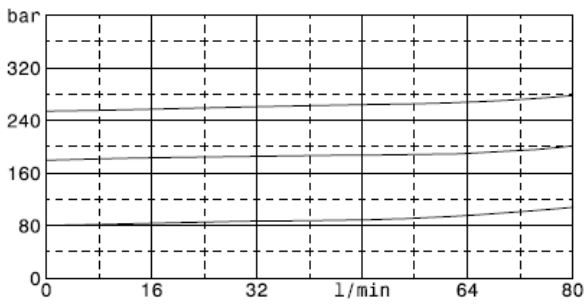
Regolazioni
Adjustments



Sigla di ordinazione / Ordering code

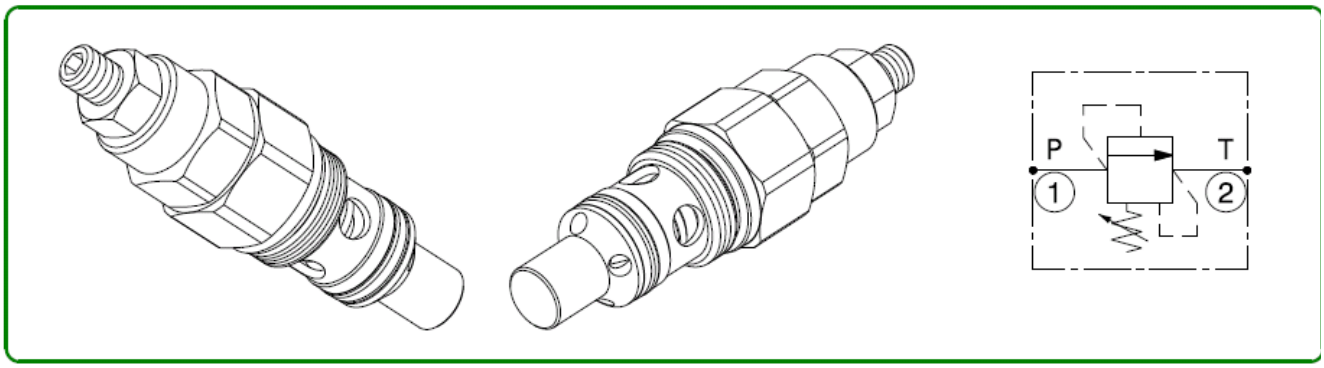
VLP80-C — 02 — A

Modello *Type*	Codice Taratura *Setting code* **00, 01, 02,**	Codice regolazione *Adjustment code* **A, B, C, D**



VLP130CD

Cartridge overdrukventiel

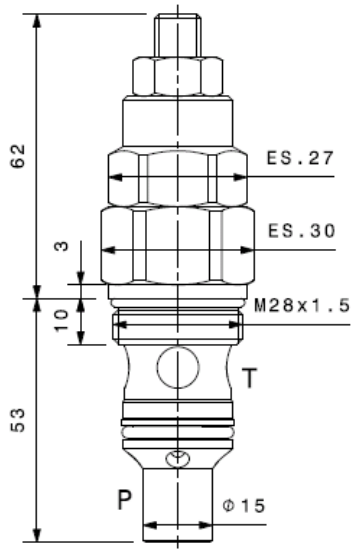


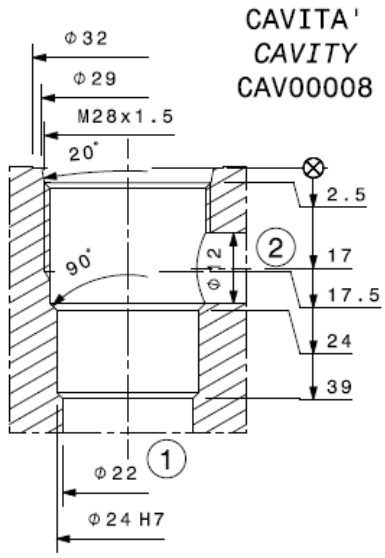
Portata massima *Max flow*	130l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	140 ÷ 160 Nm

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

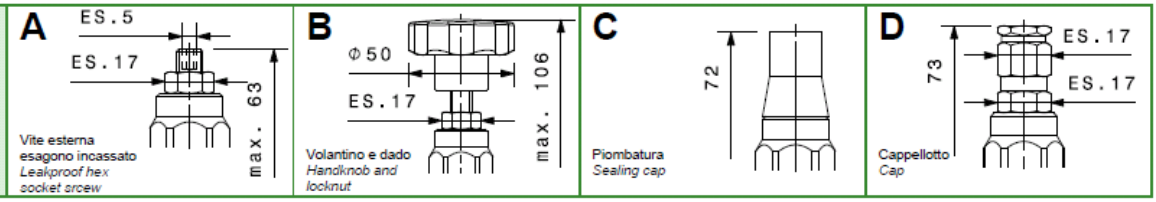
Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
00	**40**	**5÷40**	**Nero** ***Black***
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***

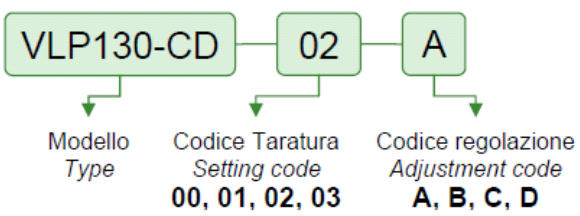




Regolazioni
Adjustments

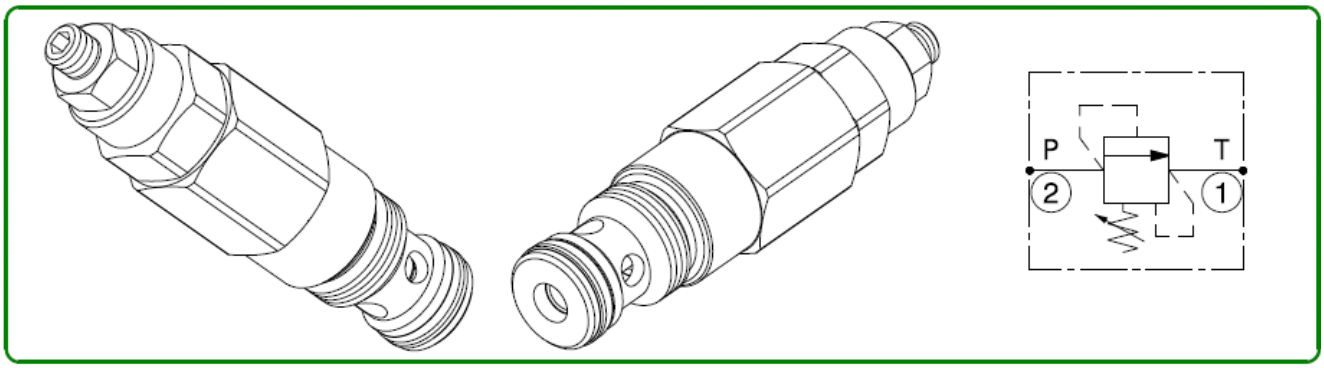


Sigla di ordinazione / Ordering code



VLP150CD

Cartridge overdrukventiel

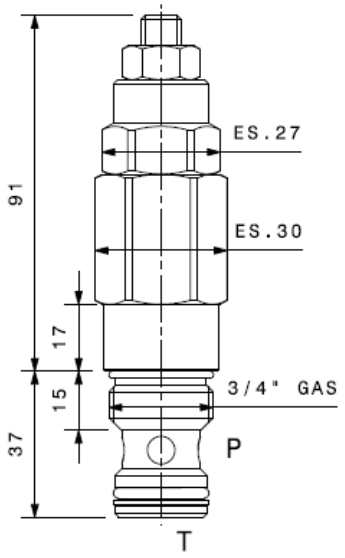


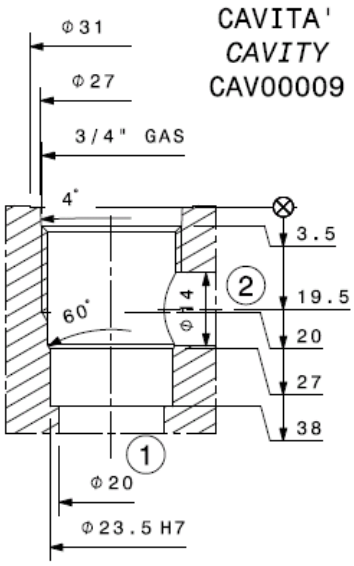
Portata massima *Max flow*	150 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	140 ÷ 160 Nm

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

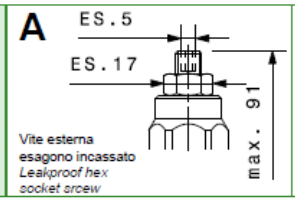
Taratura
Setting

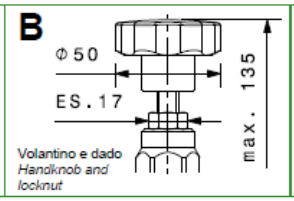
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***

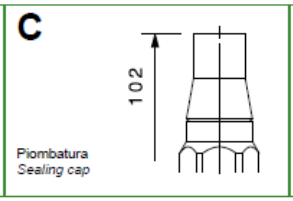


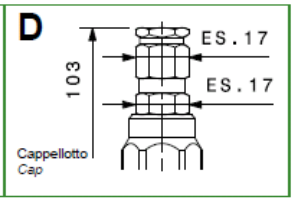


Regolazioni
Adjustments









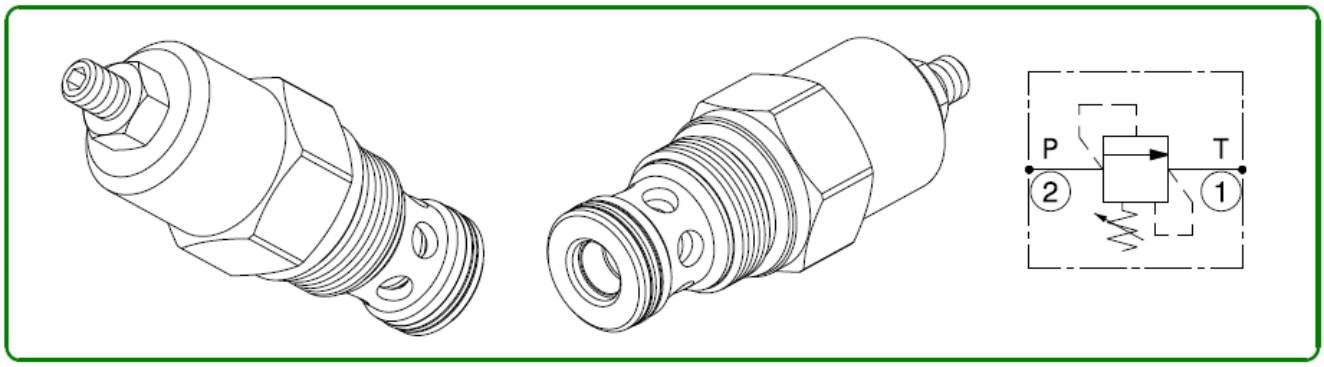
Sigla di ordinazione / Ordering code

VLP150-CD — 02 — A

Modello *Type*	Codice Taratura *Setting code* **01, 02, 03**	Codice regolazione *Adjustment code* **A, B, C, D**

VLP20016CD

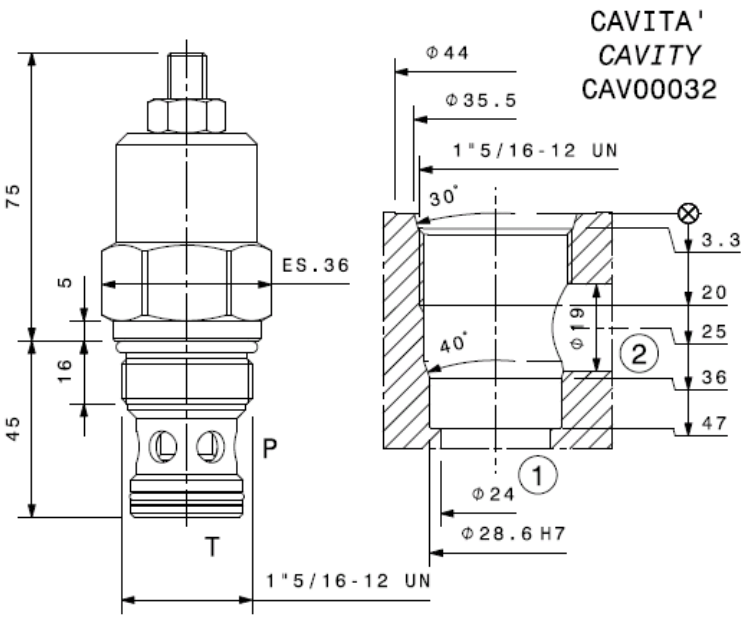
Cartridge overdrukventiel



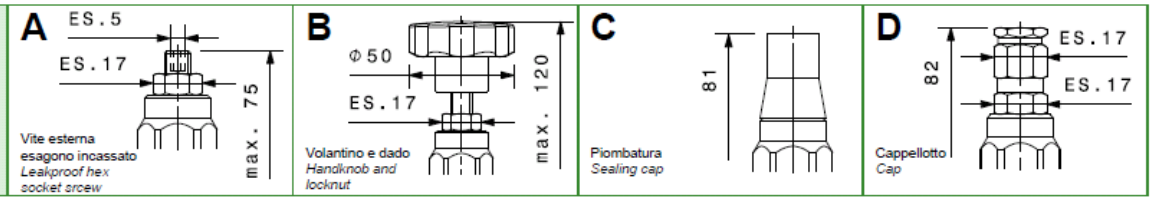
Portata massima *Max flow*	200 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	180 ÷ 200 Nm

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

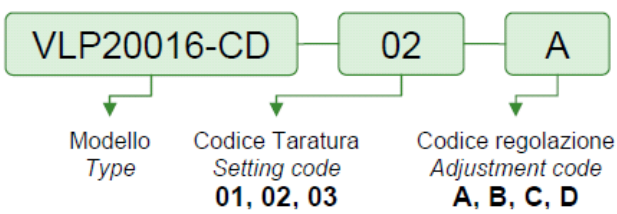
Taratura *Setting*			
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***



Regolazioni
Adjustments

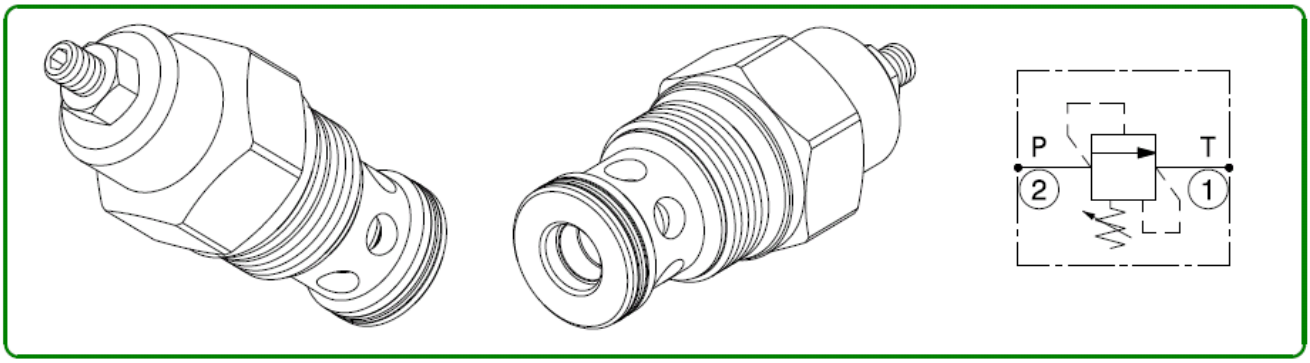


Sigla di ordinazione / Ordering code



VLP40020CD

Cartridge overdrukventiel

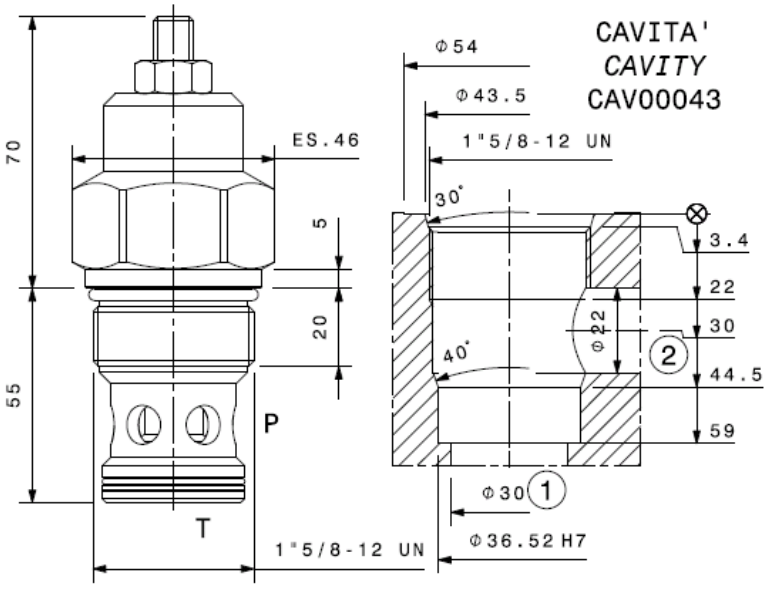


Portata massima *Max flow*	400 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	220 ÷ 250 Nm

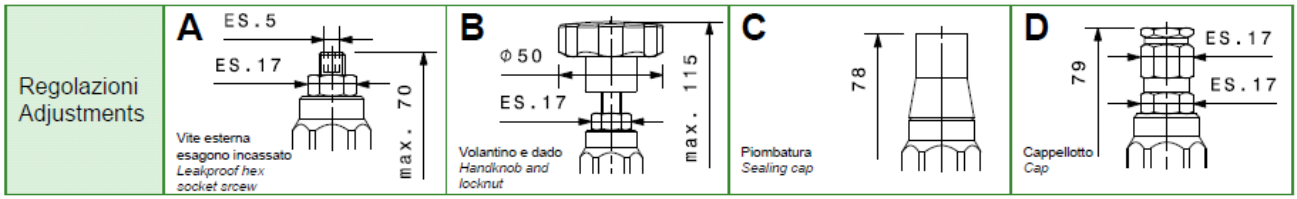
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Taratura
Setting

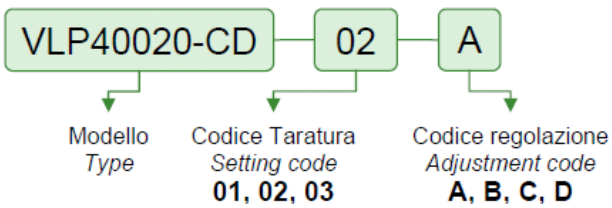
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***



Regolazioni
Adjustments

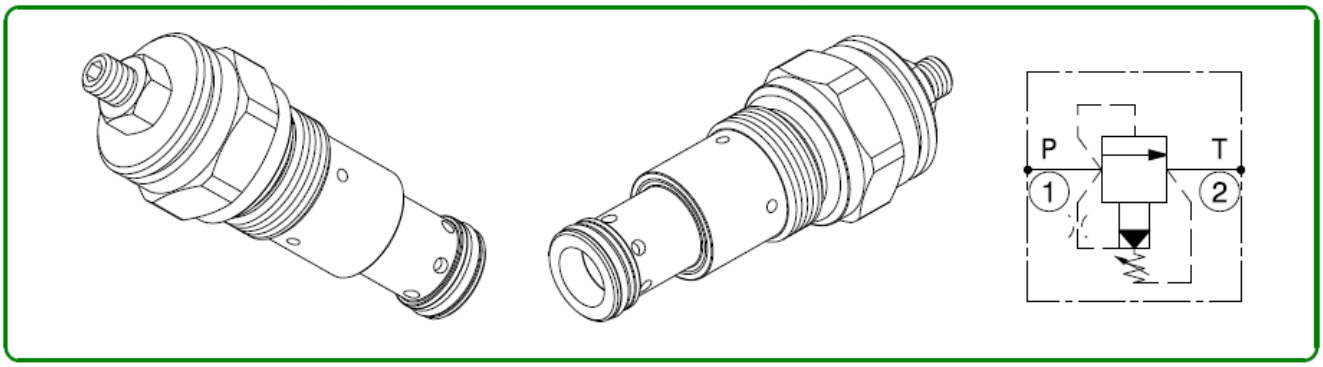


Sigla di ordinazione / Ordering code



VLP150PC

Cartridge overdrukventiel (pilot operated)

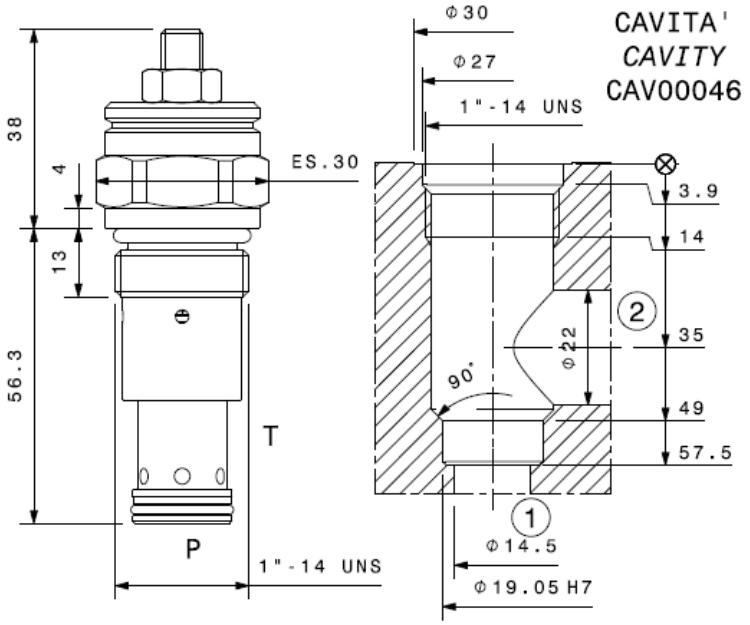


Portata massima *Max flow*	150 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	120 ÷ 130 Nm

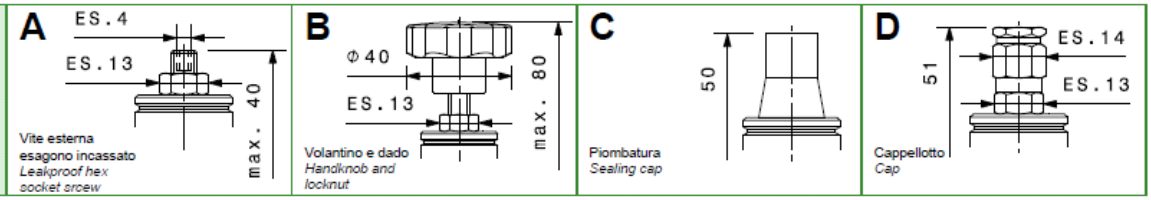
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***



Regolazioni
Adjustments



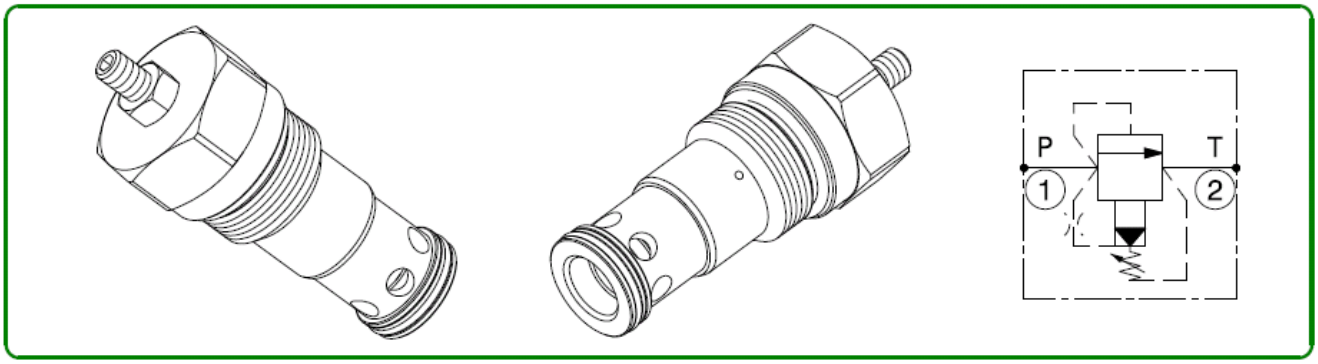
Sigla di ordinazione / Ordering code

VLP150-PC — 02 — A

Modello *Type*	Codice Taratura *Setting code* **01, 02, 03**	Codice regolazione *Adjustment code* **A, B, C, D**

VLP200PC

Cartridge overdrukventiel (pilot operated)

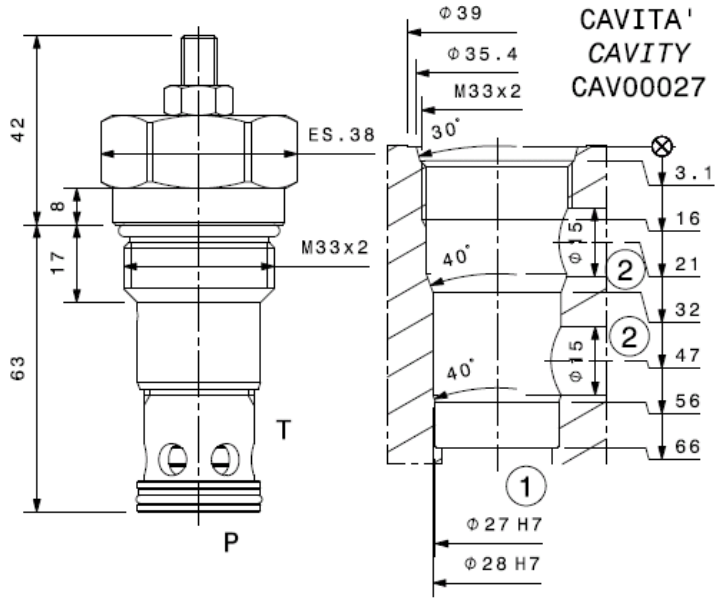


Portata massima *Max flow*	200 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	180 ÷ 200 Nm

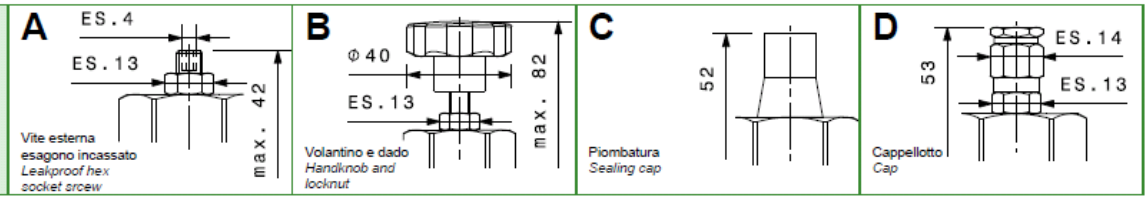
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring colour*
01	**80**	**20÷100**	**Bianco** ***White***
02	**180**	**40÷250**	**Giallo** ***Yellow***
03	**250**	**60÷350**	**Nero** ***Black***



Regolazioni
Adjustments



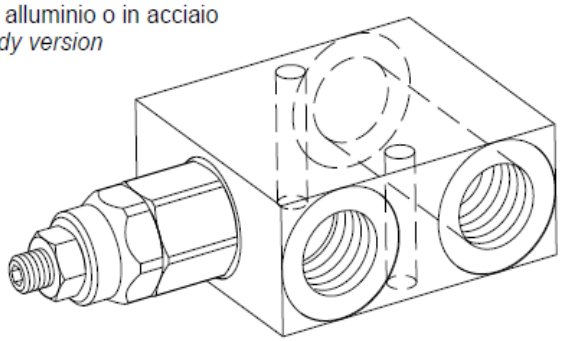
Sigla di ordinazione / Ordering code

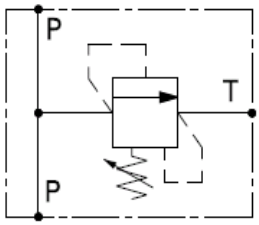
VLP200-PC — 02 — A

Modello *Type*	Codice Taratura *Setting code* **01, 02, 03**	Codice regolazione *Adjustment code* **A, B, C, D**

VLP
Overdrukventiel

Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



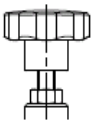
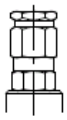


Modello *Type*	P, T	Pressione max *Max pressure*	Portata max *Max. flow*
VLP5-18	**1/8" GAS**	**350 bar**	**5 l/min**
VLP40-14	**1/4" GAS**	**350 bar**	**25 l/min**
VLP40-38	**3/8" GAS**	**350 bar**	**35 l/min**
VLP40-12	**1/2" GAS**	**350 bar**	**40 l/min**
VLP80-12	**1/2" GAS**	**300 bar**	**80 l/min**
VLP80-34	**3/4" GAS**	**300 bar**	**80 l/min**
VLP130-34	**3/4" GAS**	**300 bar**	**130 l/min**
VLP130-10	**1" GAS**	**300 bar**	**130 l/min**

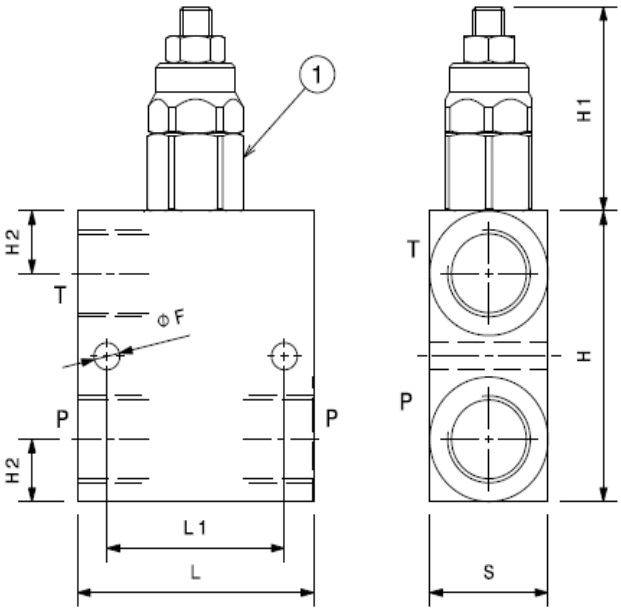
Taratura *Setting*

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**
00	**40**	**5÷40**
01	**80**	**20÷100**
02	**180**	**40÷250**
03	**250**	**60÷350**

Regolazioni *Adjustments*

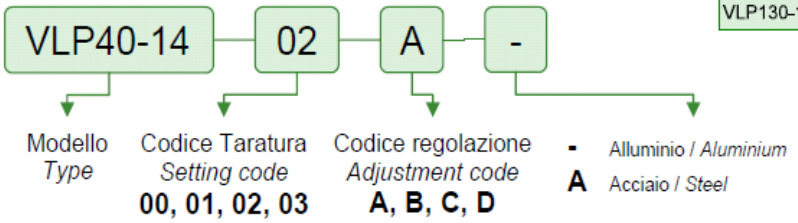
A	B	C	D
			
Vite esterna esagono incassato *Leakproof hex socket screw*	Volantino e dado *Handknob and locknut*	Piombatura *Sealing cap*	Cappellotto *Cap*

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ



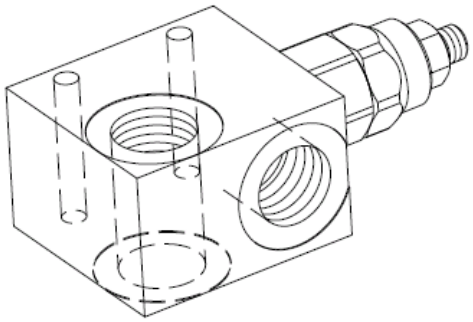
Dimensioni *Dimensions*	①	L	L1	H	H1	H2	F	S
VLP5-18	VLP5C	35	24	40	30	10	5,5	25
VLP40-14	VLP40C	50	35	50	50	13	5,5	30
VLP40-38	VLP40C	60	45	60	50	15	6,5	30
VLP40-12	VLP40C	60	45	70	50	15	6,5	30
VLP80-12	VLP80C	60	45	70	62	16	6.5	35
VLP80-34	VLP80C	70	45	90	62	20	6,5	40
VLP130-34	VLP130CD	70	50	90	62	20	8,5	40
VLP130-10	VLP130CD	70	50	100	62	23	8,5	50

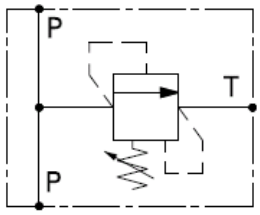
Sigla di ordinazione / Ordering code



VLP-L
Overdrukventiel (in line)

Corpo in alluminio
Aluminium body

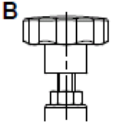
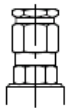




Modello *Type*	P, T	Pressione max *Max pressure*	Portata max *Max. flow*
VLP40-L-14	**1/4" GAS**	**350 bar**	**25 l/min**
VLP40-L-38	**3/8" GAS**	**350 bar**	**35 l/min**
VLP40-L-12	**1/2" GAS**	**350 bar**	**40 l/min**
VLP80-L-12	**1/2" GAS**	**300 bar**	**80 l/min**
VLP80-L-34	**3/4" GAS**	**300 bar**	**80 l/min**
VLP130-L-34	**3/4" GAS**	**300 bar**	**130 l/min**
VLP130-L-10	**1" GAS**	**300 bar**	**130 l/min**

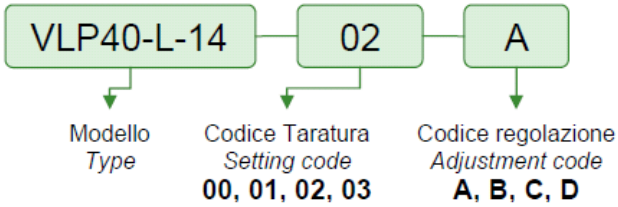
Taratura *Setting*		
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**
00	**40**	**5÷40**
01	**80**	**20÷100**
02	**180**	**40÷250**
03	**250**	**60÷350**

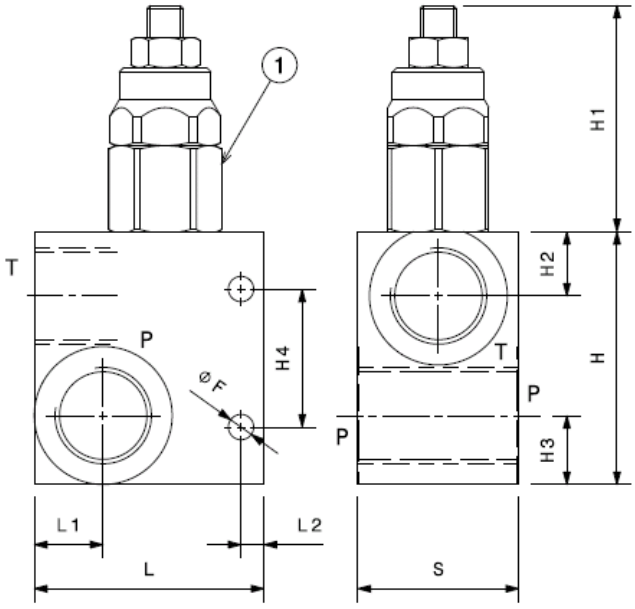
Regolazioni *Adjustments*

A	B	C	D
			
Vite esterna esagono incassato *Leakproof hex socket srcew*	Volantino e dado *Handknob and locknut*	Piombatura *Sealing cap*	Cappellotto *Cap*

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Sigla di ordinazione / Ordering code

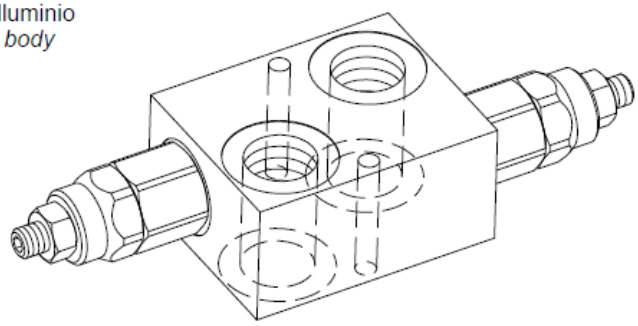


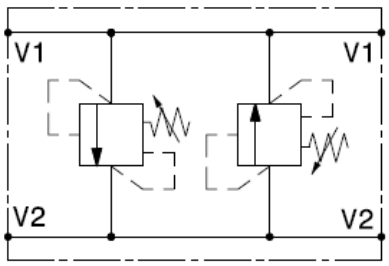


Dimensioni *Dimensions*	①	L	L1	L2	H	H1	H2	H3	H4	F	S
VLP40-L-14	VLP40C	50	16	5	50	50	14	11	30	5,5	30
VLP40-L-38	VLP40C	50	16	5	50	50	14	15	30	5.5	30
VLP40-L-12	VLP40C	50	15	5	55	50	14	15	30	5.5	35
VLP80-L-12	VLP80C	60	18	7	70	62	16	18.5	58	6.5	35
VLP80-L-34	VLP80C	70	22	7	70	62	20	20	58	6.5	40
VLP130-L-34	VLP130CD	70	22	7	90	62	20	22	76	8,5	40
VLP130-L-10	VLP130CD	80	27	7	100	62	22	25	76	8.5	50

VLP-DI
Crossover

Corpo in alluminio
Aluminium body



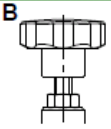
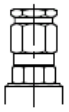


Modello *Type*	V1, V2	Pressione max *Max pressure*	Portata max *Max. flow*
VLP40-DI-38	**3/8" GAS**	**300 bar**	**35 l/min**
VLP40-DI-12	**1/2" GAS**	**300 bar**	**40 l/min**
VLP80-DI-12	**1/2" GAS**	**300 bar**	**80 l/min**
VLP80-DI-34	**3/4" GAS**	**300 bar**	**80 l/min**
VLP130-DI-34	**3/4" GAS**	**250 bar**	**130 l/min**
VLP130-DI-10	**1" GAS**	**250 bar**	**130 l/min**

Taratura *Setting*

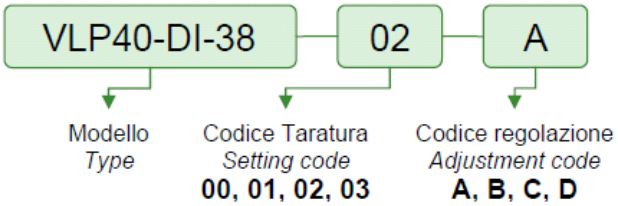
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**
00	**40**	**5÷40**
01	**80**	**20÷100**
02	**180**	**40÷250**
03	**250**	**60÷350**

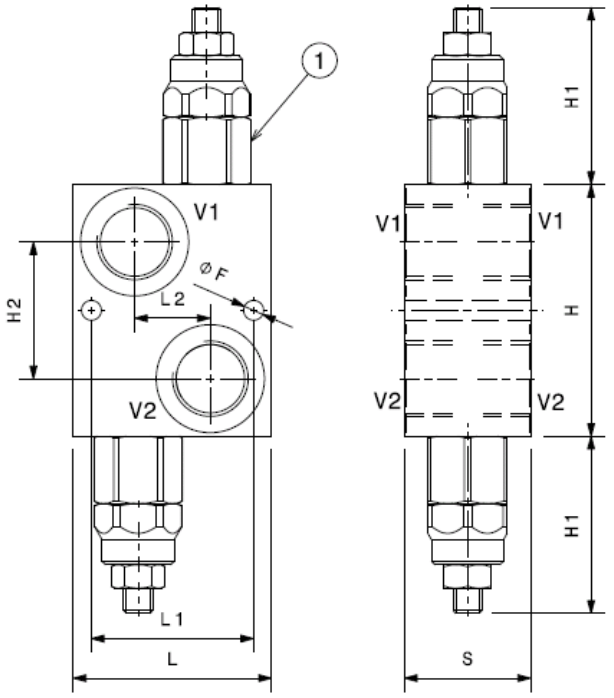
Regolazioni *Adjustments*

A	B	C	D
			
Vite esterna esagono incassato *Leakproof hex socket screw*	Volantino e dado *Handknob and locknut*	Piombatura *Sealing cap*	Cappellotto *Cap*

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Sigla di ordinazione / Ordering code



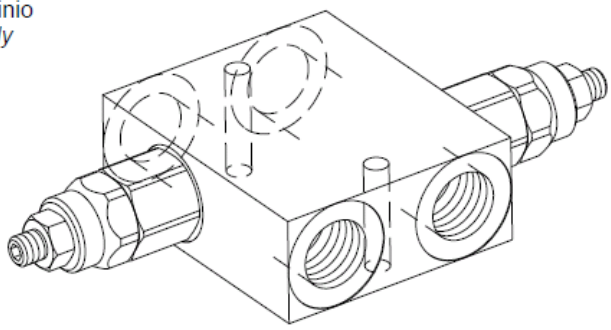


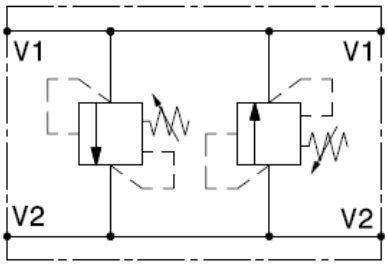
Dimensioni *Dimensions*	①	L	L1	L2	H	H1	H2	F	S
VLP40-DI-38	VLP40C	55	45	19	70	50	38	5.5	30
VLP40-DI-12	VLP40C	55	45	21	70	50	38	5.5	35
VLP80-DI-12	VLP80C	70	60	22	90	62	54	6.5	35
VLP80-DI-34	VLP80C	70	60	26	90	62	50	6.5	40
VLP130-DI-34	VLP130CD	80	60	32	90	62	50	8.5	50
VLP130-DI-10	VLP130CD	90	75	30	95	62	46	8.5	50

VLP-DIL

Crossover (in line)

Corpo in alluminio
Aluminium body



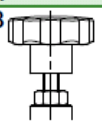


Modello *Type*	V1, V2	Pressione max *Max pressure*	Portata max *Max. flow*
VLP10-DI-L-14	**1/4" GAS**	**300 bar**	**10 l/min**
VLP10-DI-L-38	**3/8" GAS**	**300 bar**	**10 l/min**
VLP40-DI-L-38	**3/8" GAS**	**300 bar**	**35 l/min**
VLP40-DI-L-12	**1/2" GAS**	**300 bar**	**40 l/min**
VLP80-DI-L-12	**1/2" GAS**	**300 bar**	**80 l/min**
VLP80-DI-L-34	**3/4" GAS**	**300 bar**	**80 l/min**
VLP130-DI-L-34	**3/4" GAS**	**250 bar**	**130 l/min**
VLP130-DI-L-10	**1" GAS**	**250 bar**	**130 l/min**

Taratura *Setting*

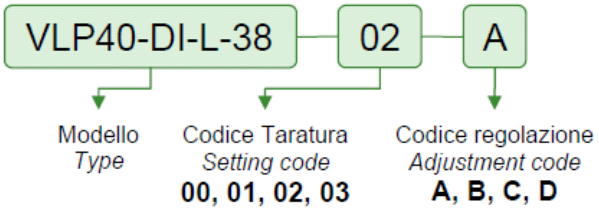
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**
00	**40**	**5÷40**
01	**80**	**20÷100**
02	**180**	**40÷250**
03	**250**	**60÷350**

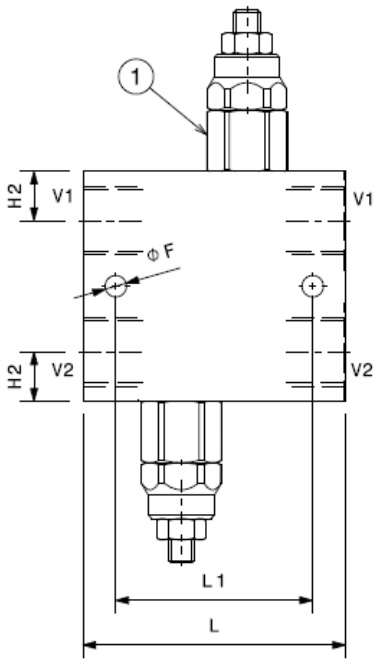
Regolazioni *Adjustments*

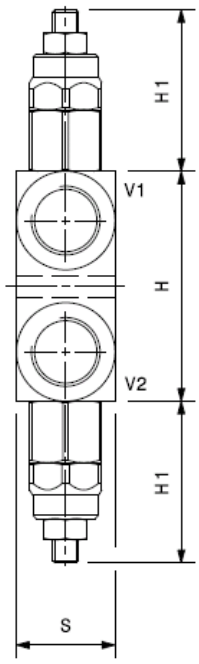
A	B	C	D
			
Vite esterna esagono incassato *Leakproof hex socket screw*	Volantino e dado *Handknob and locknut*	Piombatura *Sealing cap*	Cappellotto *Cap*

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Sigla di ordinazione / Ordering code



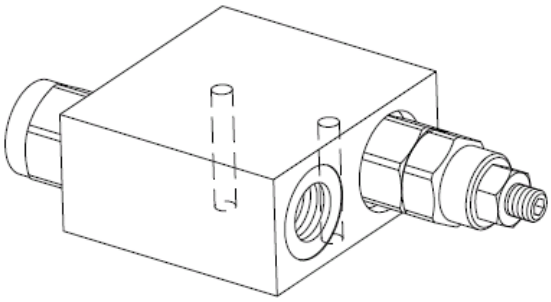


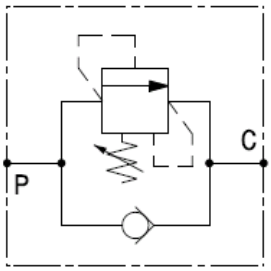


Dimensioni *Dimensions*	①	L	L1	H	H1	H2	F	S
VLP10-DI-L-14	VLP10C	70	50	60	32	14	6,5	30
VLP10-DI-L-38	VLP10C	70	50	60	32	14	6.5	30
VLP40-DI-L-38	VLP40C	80	60	70	50	15	6.5	30
VLP40-DI-L-12	VLP40C	80	60	70	50	15	6.5	30
VLP80-DI-L-12	VLP80C	100	80	70	62	16	6,5	35
VLP80-DI-L-34	VLP80C	100	80	90	62	19	6,5	40
VLP130-DI-L-34	VLP130CD	110	80	90	62	19	8.5	40
VLP130-DI-L-10	VLP130CD	120	80	100	62	23	8.5	60

VSQ
Volgordeklep

Corpo in alluminio
Aluminium body



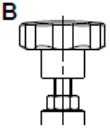
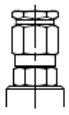


Modello *Type*	P, C	Pressione max *Max pressure* bar	Portata max *Max. flow* l/min
VSQ40-38	3/8" GAS	**300**	**40**
VSQ40-12	1/2" GAS	**300**	**40**
VSQ80-12	1/2" GAS	**300**	**80**
VSQ80-34	3/4" GAS	**300**	**80**

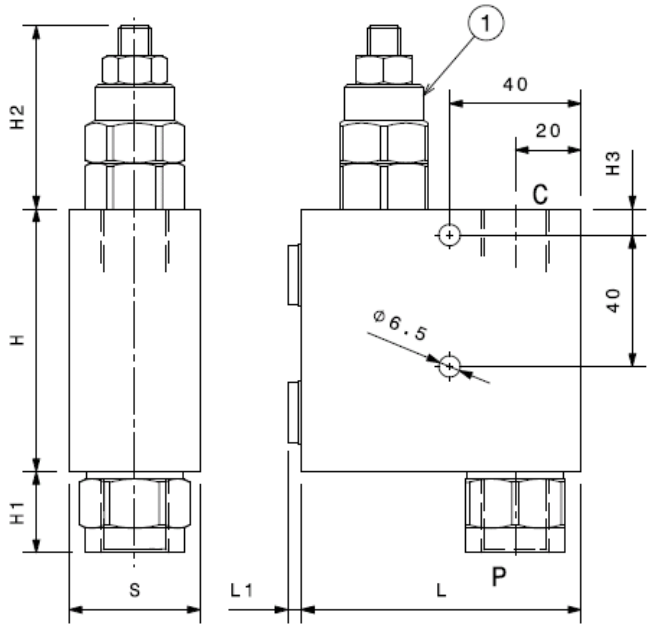
Taratura
Setting

Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**
00	**40**	**5÷40**
01	**80**	**20÷100**
02	**180**	**40÷250**
03	**250**	**60÷350**

Regolazioni
Adjustments

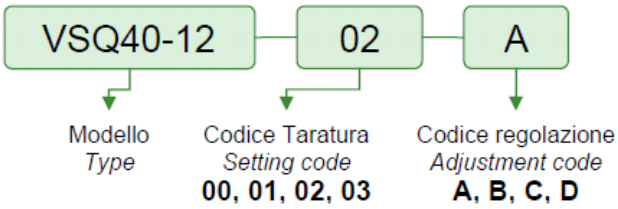
A	B	C	D
			
Vite esterna esagono incassato *Leakproof hex socket screw*	Volantino e dado *Handknob and locknut*	Piombatura *Sealing cap*	Cappellotto *Cap*

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ



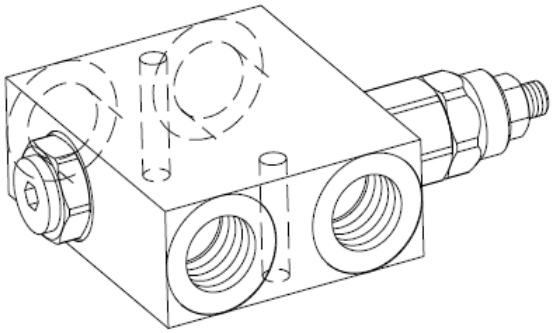
Dimensioni *Dimensions*	①	L	L1	H	H1	H2	H3	S
VSQ40-38	VLP40C	80	0	70	25	50	5	30
VSQ40-12	VLP40C	80	0	70	25	50	5	30
VSQ80-12	VLP80C	85	4	80	25	56	8	40
VSQ80-34	VLP80C	85	4	80	30	56	8	40

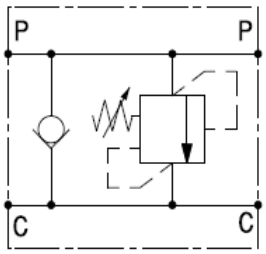
Sigla di ordinazione / Ordering code



VSQ-L
Volgordeklep (in line)

Corpo in alluminio
Aluminium body



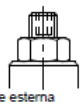
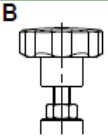
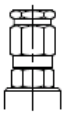


Modello *Type*	P, C	Pressione max *Max pressure* bar	Portata max *Max. flow* l/min
VSQ40-L-38	3/8" GAS	**300**	**40**
VSQ40-L-12	1/2" GAS	**300**	**40**
VSQ80-L-12	1/2" GAS	**300**	**80**
VSQ80-L-34	3/4" GAS	**300**	**80**
VSQ130-L-34	3/4" GAS	**300**	**130**
VSQ130-L-10	1" GAS	**300**	**130**

Taratura
Setting

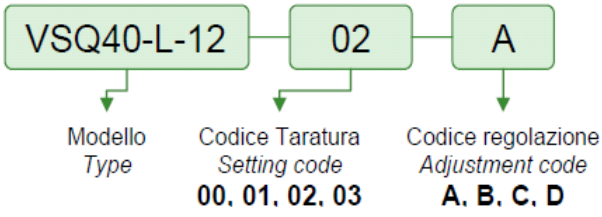
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**
00	**40**	**5÷40**
01	**80**	**20÷100**
02	**180**	**40÷250**
03	**250**	**60÷350**

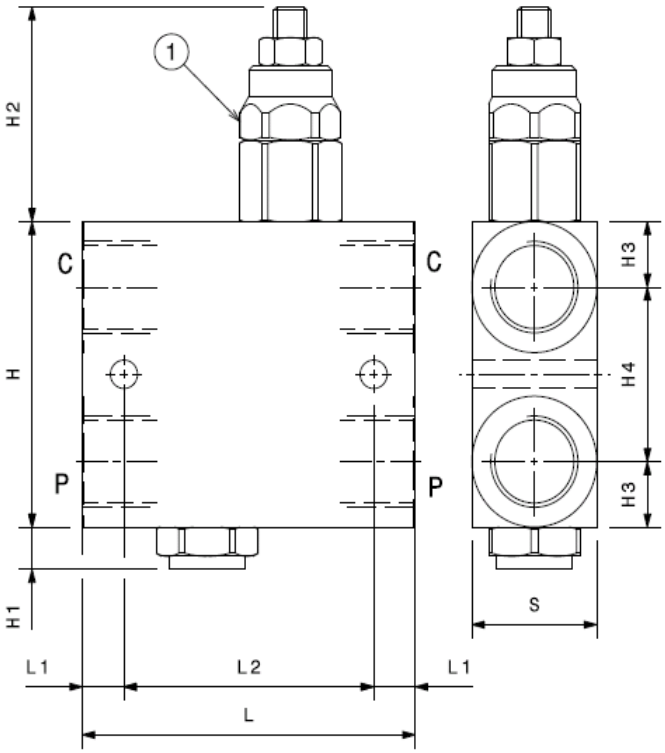
Regolazioni
Adjustments

A	B	C	D
			
Vite esterna esagono incassato *Leakproof hex socket screw*	Volantino e dado *Handknob and locknut*	Piombatura *Sealing cap*	Cappellotto *Cap*

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Sigla di ordinazione / Ordering code

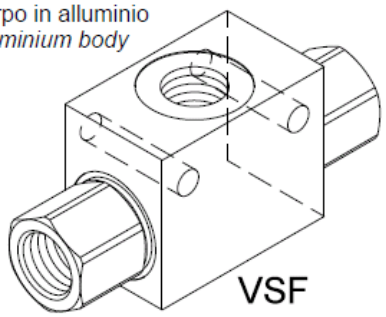


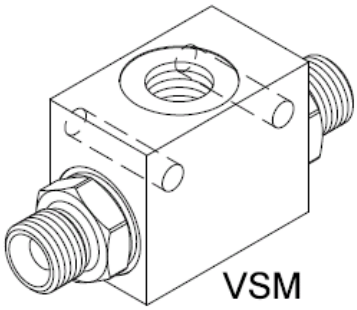


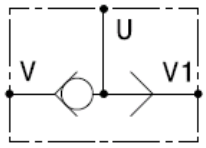
Dimensioni *Dimensions*	①	L	L1	L2	H	H1	H2	H3	H4	F	S
VSQ40-L-38	VLP40C	80	10	60	70	10	50	15	40	6,5	30
VSQ40-L-12	VLP40C	80	10	60	70	10	50	15	40	6,5	30
VSQ80-L-12	VLP80C	100	10	80	70	19	62	16	38	6.5	35
VSQ80-L-34	VLP80C	100	10	80	90	19	62	19	52	6.5	40
VSQ130-L-34	VLP130CD	110	15	80	90	19	62	19	52	8.5	40
VSQ130-L-10	VLP130CD	120	15	90	100	15	57	23	54	8,5	60

VSF
Wisselklep

Corpo in alluminio
Aluminium body

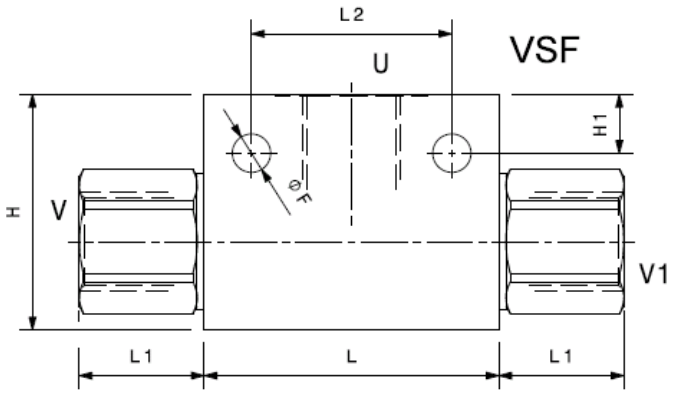


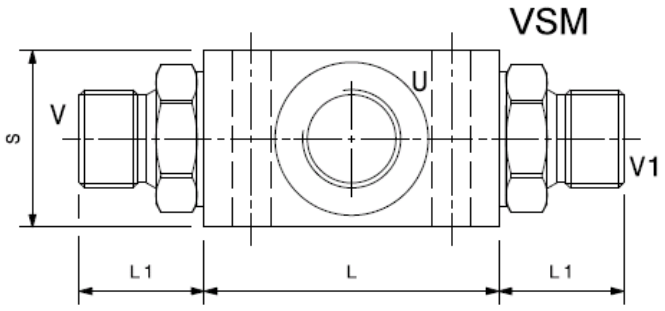




Modello *Type*	V V1 U	Portata massima *Max flow* **l/min**	Pressione massima *Max pressure* **bar**
VSF-14	1/4" GAS	20	350
VSF-38	3/8" GAS	40	350
VSF-12	1/2" GAS	60	350
VSF-34	3/4" GAS	100	280
VSM-14	1/4" GAS	20	350
VSM-38	3/8" GAS	40	350
VSM-12	1/2" GAS	60	350
VSM-34	3/4" GAS	100	280

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ





Dimensioni *Dimensions*	L	L1	L2	H	H1	S	F
VSF-14	40	33	27	40	6	30	6.5
VSF-38	50	21	34	40	10	30	6.5
VSF-12	60	28	40	50	10	30	6.5
VSF-34	60	27	45	60	10	40	8.5
VSM-14	40	10	27	40	6	30	6.5
VSM-38	50	21	34	40	10	30	6.5
VSM-12	60	26	40	50	10	30	6.5
VSM-34	60	30	45	60	10	40	8.5

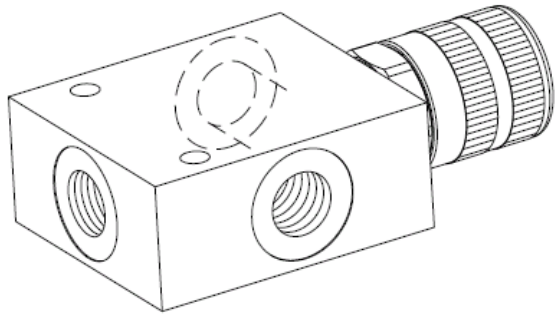
Sigla di ordinazione / Ordering code

VSM-38

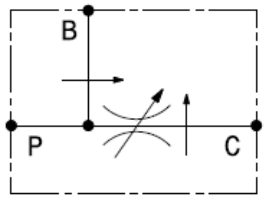
Modello
Type

RFP50

3-weg stroomregelklep



Corpo in alluminio
Aluminium body



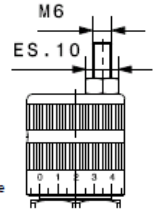
Portata massima *Max flow*	40 l/min
Portata regolata *Regulated flow*	0 ÷ 25 l/min
Pressione massima *Max pressure*	300 bar

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Modello *Type*	C, B, P
RFP50-38	3/8" GAS
RFP50-12	1/2" GAS

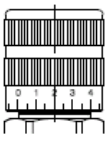
Regolazioni
Adjustments

A

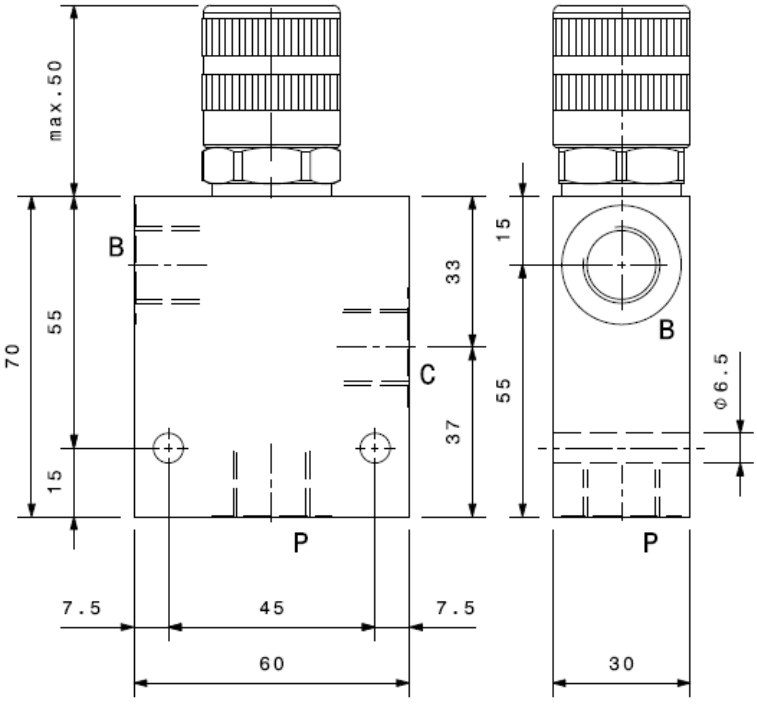


Manopola con vite di bloccaggio
Handknob with locking srcew

B



Manopola
Handknob



Sigla di ordinazione / Ordering code

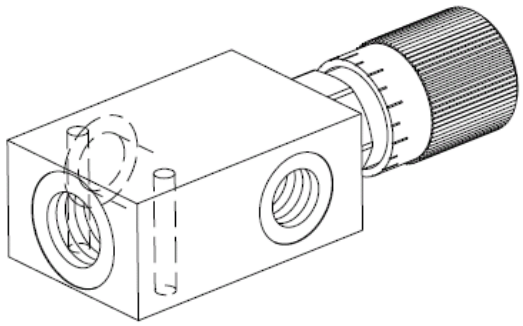
RFP-50-38 — B

Modello
Type

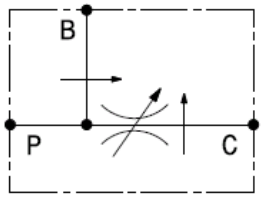
Codice regolazione
Adjustment code
A, B

RFP90

3-weg stroomregelklep



Corpo in alluminio
Aluminium body

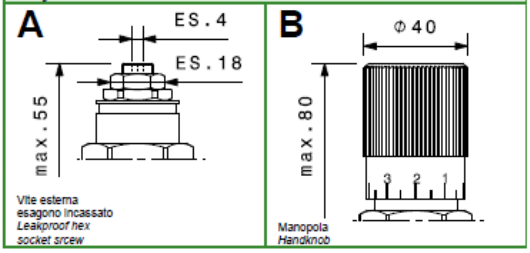


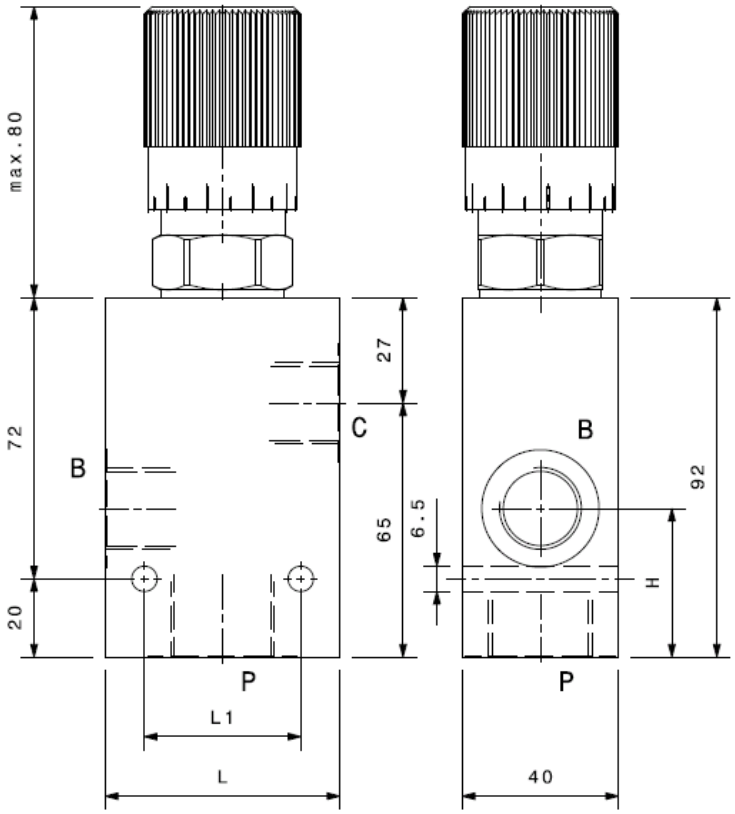
Portata massima *Max flow*	90 l/min
Portata regolata *Regulated flow*	2 ÷ 50 l/min
Pressione massima *Max pressure*	300 bar

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Modello *Type*	P	C, B	L	L1	H
RFP90-12	3/4" GAS	1/2" GAS	60	40	38
RFP90-34	3/4" GAS	3/4" GAS	70	45	40

Regolazioni
Adjustments





Sigla di ordinazione / Ordering code

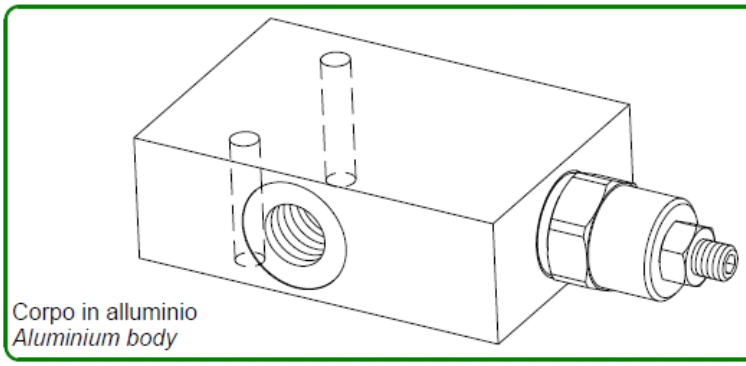
RFP-90-12 — B

Modello *Type*

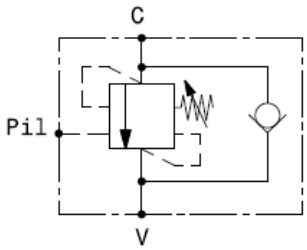
Codice regolazione *Adjustment code* **A, B**

OVC-SE

Balanceerklep enkel werkend (pilot operated)



Corpo in alluminio
Aluminium body



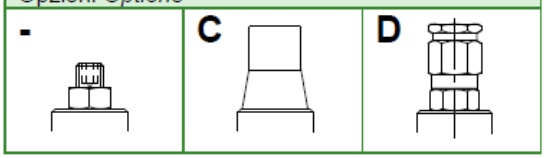
Pressione massima *Max pressure*	350 bar
Rapporto di pilotaggio *Pilot ratio*	4.25:1
Rapporti di pilotaggio a richiesta *Pilot ratio upon request*	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

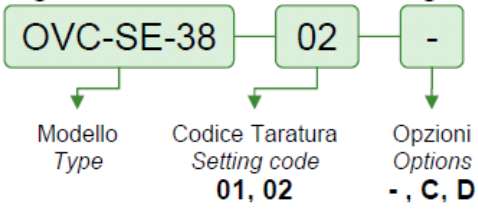
Modello *Type*	V, C	Pil	Portata max *Max. flow* l/min
OVC-SE-38	**3/8" GAS**	**1/4" GAS**	**40**
OVC-SE-12	**1/2" GAS**	**1/4" GAS**	**60**
OVC-SE-34	**3/4" GAS**	**1/4" GAS**	**100**
OVC-SE-10	**1" GAS**	**1/4" GAS**	**120**

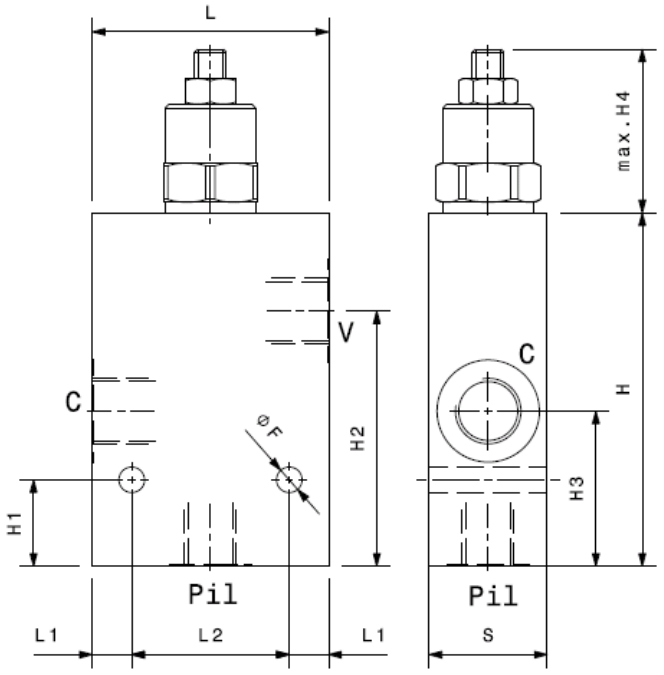
Taratura *Setting*	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico *The valve must be set at least 1.3 times maximum load induced pressure*		
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring color*
01	**100**	**20÷200**	**Bianco** *White*
02	**280**	**50÷350**	**Nero** *Black*

Opzioni *Options*

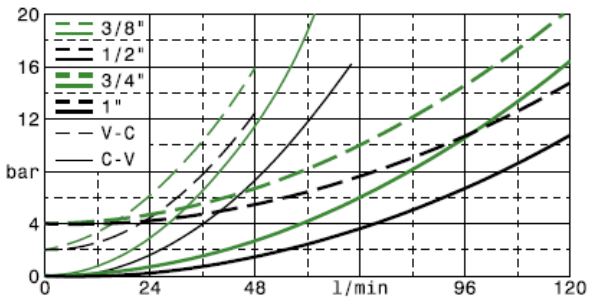


Sigla di ordinazione / Ordering code



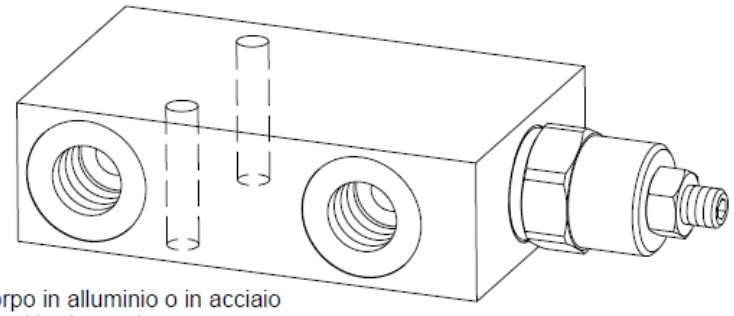


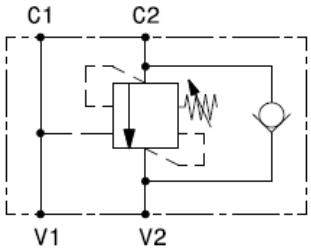
Dimensioni *Dimensions*	L	H	S	L1	L2	H1	H2	H3	H4	F
OVC-SE-38	60	90	30	10	40	22	65	39,5	42	6.5
OVC-SE-12	60	90	30	10	40	22	65	39.5	42	6.5
OVC-SE-34	70	110	40	10	50	27.5	85	50	46	8.5
OVC-SE-10	70	110	50	10	50	20	81	47	46	8.5



OVC-SE-L

Balanceerklep enkel werkend (in line)





Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

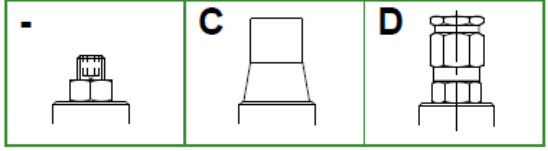
Pressione massima *Max pressure*	350 bar
Rapporto di pilotaggio *Pilot ratio*	4.25:1
Rapporti di pilotaggio a richiesta *Pilot ratio upon request*	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

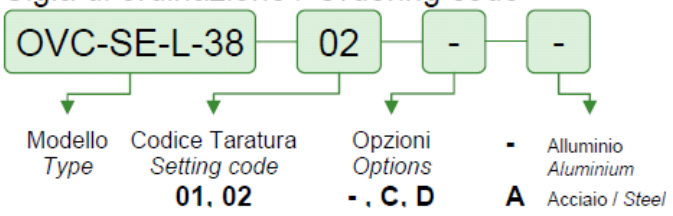
Modello *Type*	V1, V2 C1, C2	Portata max *Max. flow* l/min
OVC-SE-L-38	**3/8" GAS**	**40**
OVC-SE-L-12	**1/2" GAS**	**60**
OVC-SE-L-34	**3/4" GAS**	**100**
OVC-SE-L-10	**1" GAS**	**120**

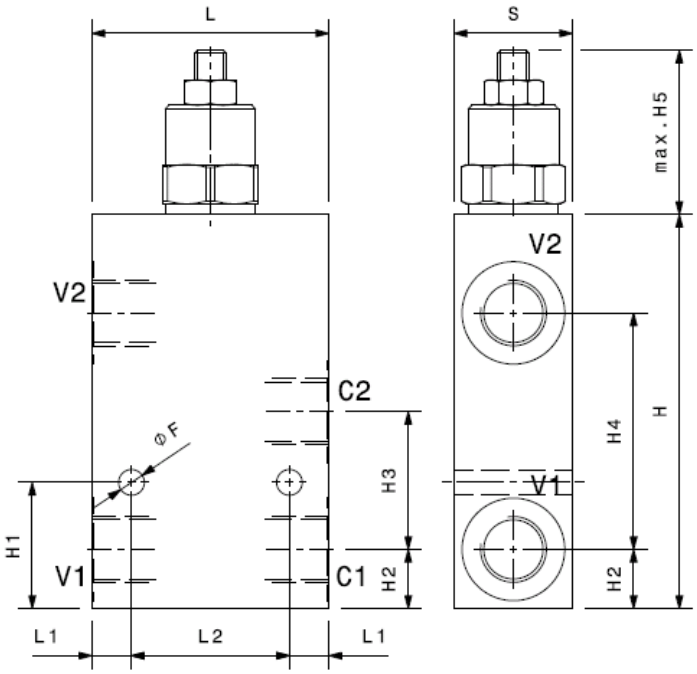
Taratura *Setting*	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico *The valve must be set at least 1.3 times maximum load induced pressure*		
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring color*
01	**100**	**20÷200**	**Bianco** ***White***
02	**280**	**50÷350**	**Nero** ***Black***

Opzioni *Options*

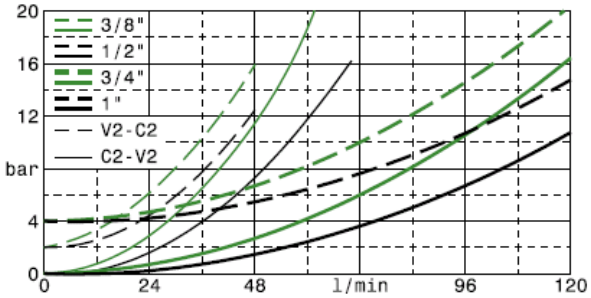


Sigla di ordinazione / Ordering code





Dimensioni *Dimensions*	L	H	S	L1	L2	H1	H2	H3	H4	H5	F
OVC-SE-L-38	60	100	30	10	40	32	15	35	60	42	6,5
OVC-SE-L-12	60	100	30	10	40	32	15	35	60	42	6.5
OVC-SE-L-34	70	125	40	10	50	42,5	20	45	80	48	8,5
OVC-SE-L-10	70	140	50	10	50	51	25	52	90	48	8,5

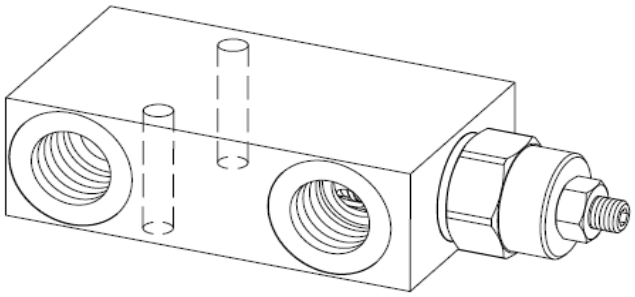


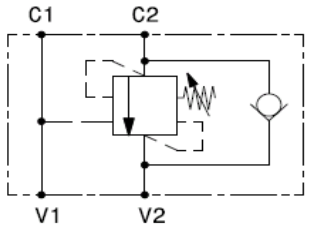
OVC-SE-L-200

Balanceerklep enkel werkend (in line)

Valvola OVERCENTRE semplice effetto in linea
In line, single effect OVERCENTRE valve

mod. OVC-SE-L-200





Corpo in alluminio
Aluminium body

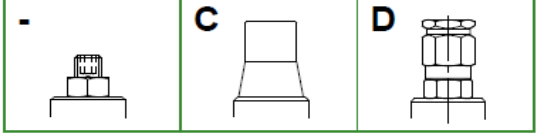
Pressione massima *Max pressure*	350 bar
Rapporto di pilotaggio *Pilot ratio*	4:1
Rapporti di pilotaggio a richiesta *Pilot ratio upon request*	3:1 8:1

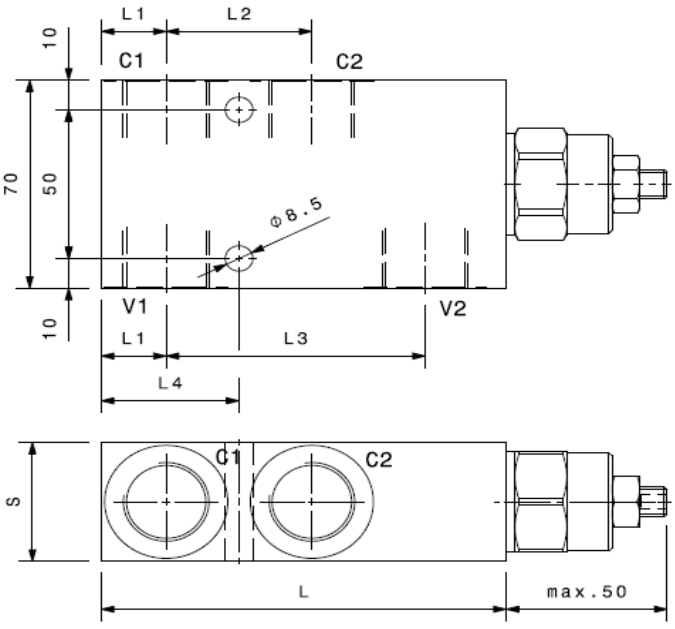
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Modello *Type*	V1, V2 C1, C2	Portata max *Max. flow* l/min
OVC-SE-L-200-34	**3/4" GAS**	**150**
OVC-SE-L-200-10	**1" GAS**	**200**

Taratura *Setting*	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico *The valve must be set at least 1.3 times maximum load induced pressure*		
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring color*
01	**100**	**20÷200**	**Bianco** ***White***
02	**280**	**50÷350**	**Nero** ***Black***

Opzioni *Options*

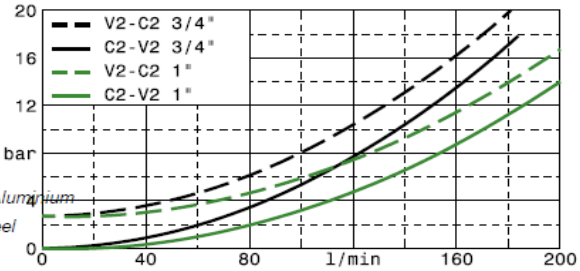




Dimensioni *Dimensions*	L	S	L1	L2	L3	L4
OVC-SE-L-200-34	125	40	20	45	80	42.5
OVC-SE-L-200-10	140	50	25	52	90	51

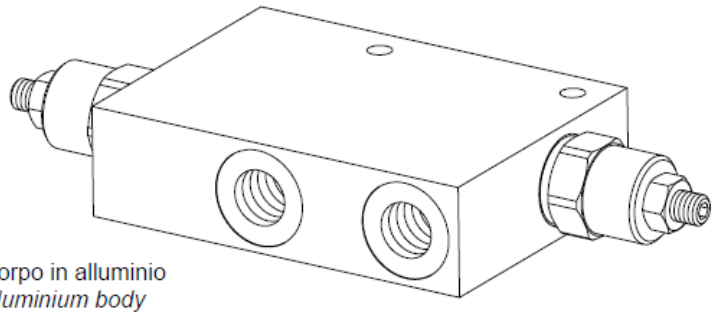
Sigla di ordinazione / Ordering code

OVC-SE-L-200-34	02	-	-
Modello *Type*	Codice Taratura *Setting code* **01, 02**	Opzioni *Options* **-, C, D**	**-** Alluminio / *Aluminium* **A** Acciaio / *Steel*

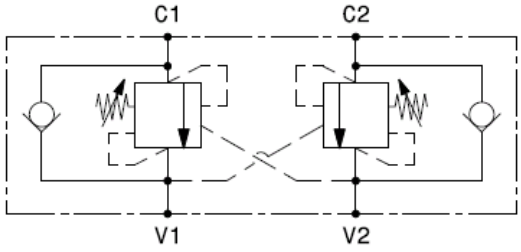


OVC-DE

Balanceerklep dubbel werkend



Corpo in alluminio
Aluminium body



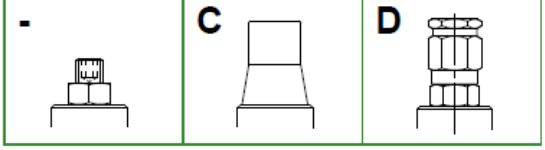
Pressione massima *Max pressure*	350 bar
Rapporto di pilotaggio *Pilot ratio*	4.25:1
Rapporti di pilotaggio a richiesta *Pilot ratio upon request*	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

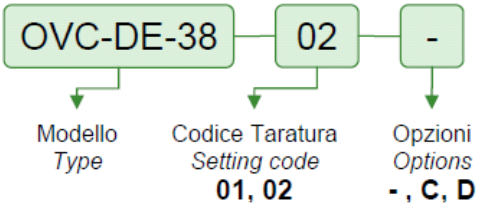
Modello *Type*	V1, C1 V2, C2	Portata max *Max. flow* l/min
OVC-DE-38	**3/8" GAS**	**40**
OVC-DE-12	**1/2" GAS**	**60**

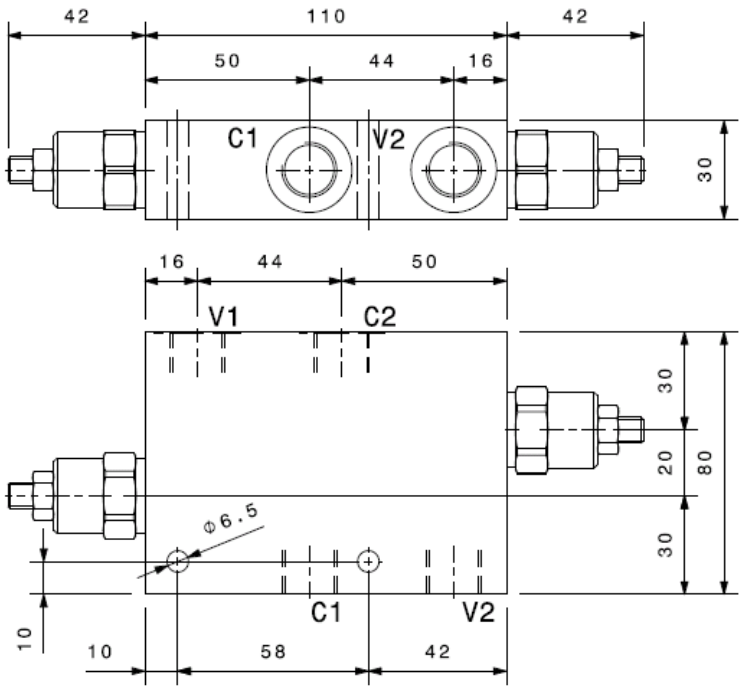
Taratura *Setting*	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico *The valve must be set at least 1.3 times maximum load induced pressure*		
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring color*
01	**100**	**20÷200**	**Bianco** ***White***
02	**280**	**50÷350**	**Nero** ***Black***

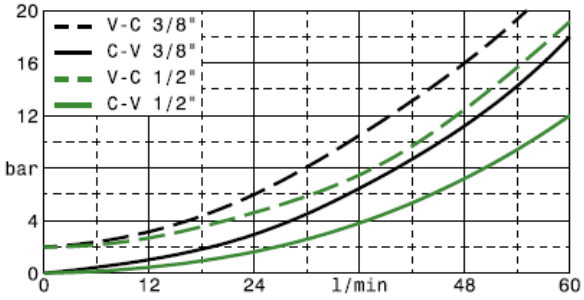
Opzioni *Options*



Sigla di ordinazione / Ordering code

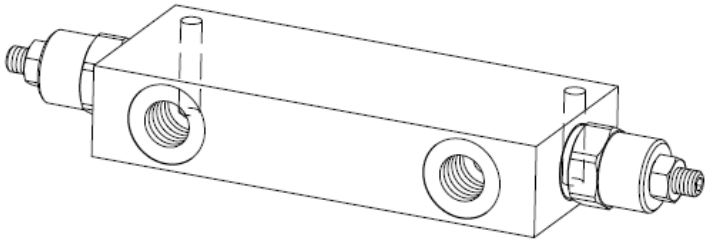


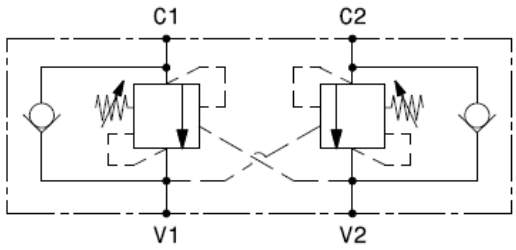




OVC-DE-L

Balanceerklep dubbel werkend (in line)





Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

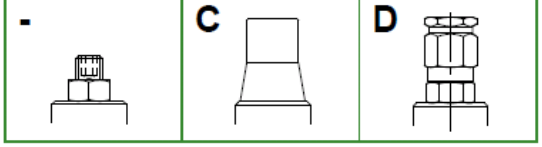
Pressione massima *Max pressure*	350 bar
Rapporto di pilotaggio *Pilot ratio*	4.25:1
Rapporti di pilotaggio a richiesta *Pilot ratio upon request*	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

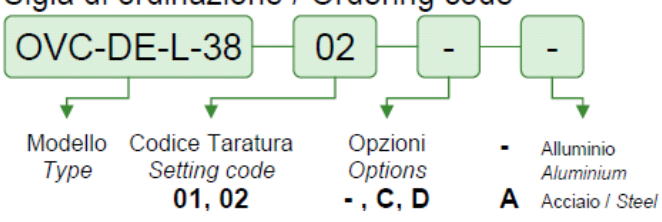
Modello *Type*	V1, V2 C1, C2	Portata max *Max. flow* l/min
OVC-DE-L-38	**3/8" GAS**	**40**
OVC-DE-L-12	**1/2" GAS**	**60**
OVC-DE-L-34	**3/4" GAS**	**100**
OVC-DE-L-10	**1" GAS**	**120**

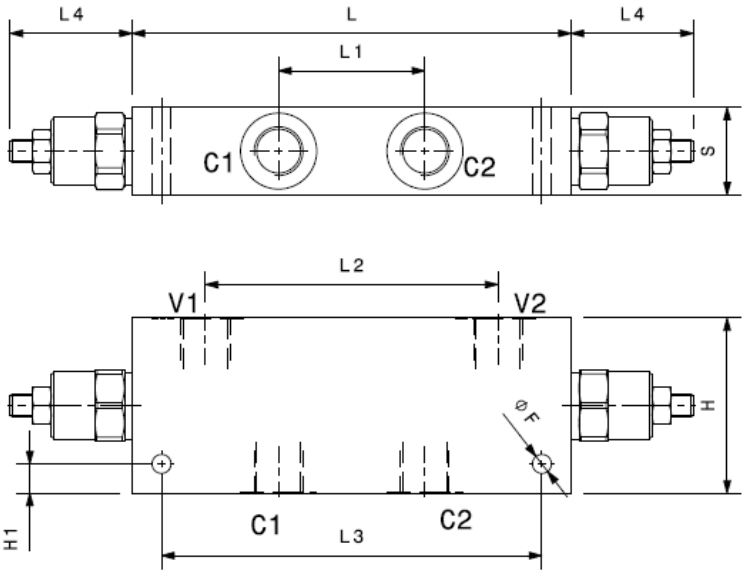
Taratura *Setting*	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico *The valve must be set at least 1.3 times maximum load induced pressure*		
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring color*
01	**100**	**20÷200**	**Bianco** ***White***
02	**280**	**50÷350**	**Nero** ***Black***

Opzioni *Options*

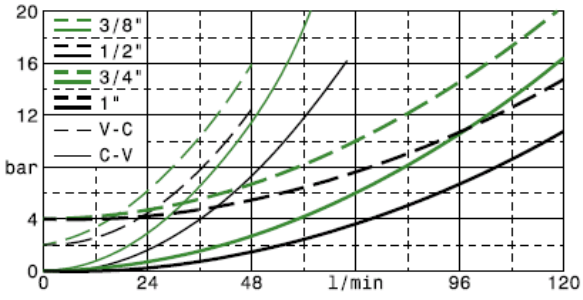


Sigla di ordinazione / Ordering code



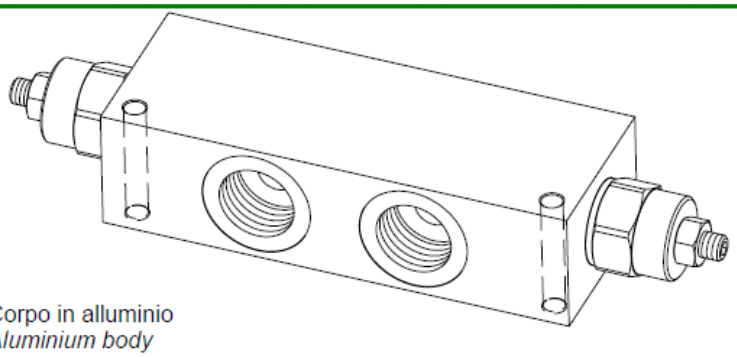


Dimensioni *Dimensions*	L	H	S	L1	L2	L3	L4	H1	F
OVC-DE-L-38	150	60	30	50	100	130	42	10	6.5
OVC-DE-L-12	150	60	30	50	100	130	42	10	6.5
OVC-DE-L-34	190	70	40	64	138	170	46	10	8,5
OVC-DE-L-10	190	70	50	64	132	170	46	10	8.5

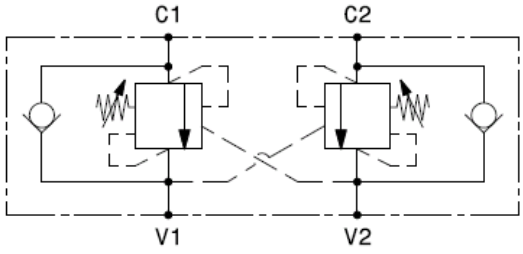


OVC-DE-L-200

Balanceerklep dubbel werkend (in line)



Corpo in alluminio
Aluminium body



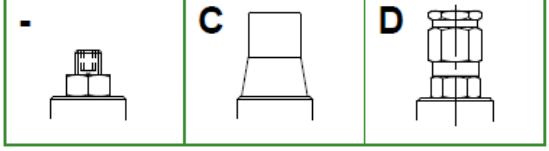
Pressione massima *Max pressure*	350 bar
Rapporto di pilotaggio *Pilot ratio*	4:1
Rapporti di pilotaggio a richiesta *Pilot ratio upon request*	3:1 8:1

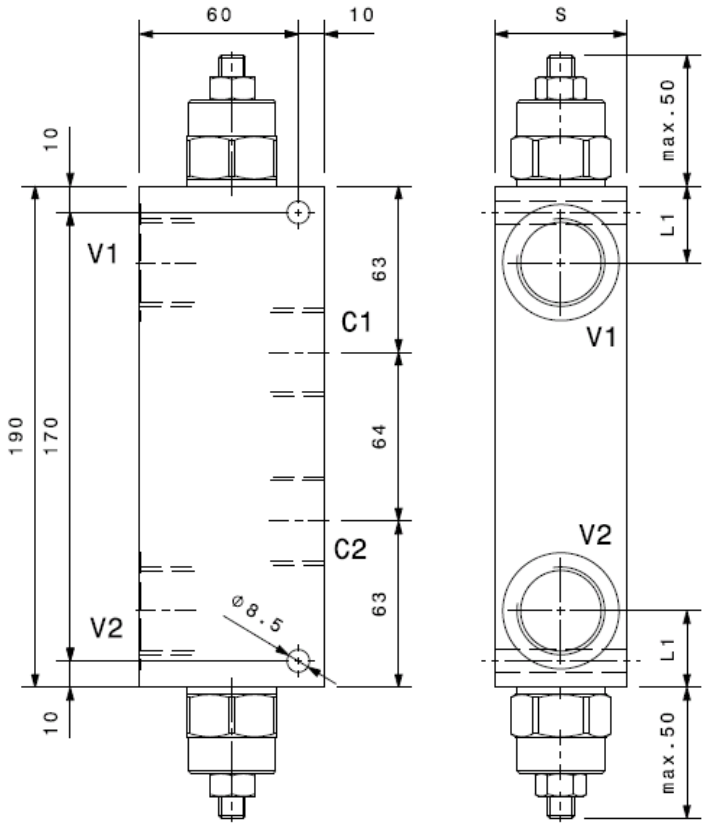
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Modello *Type*	V1, V2 C1, C2	S	L1	Portata max *Max. flow* l/min
OVC-DE-L-200-34	**3/4"** GAS	**40**	**26**	**150**
OVC-DE-L-200-10	**1"** GAS	**50**	**29**	**200**

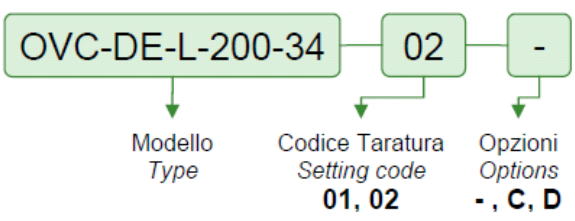
Taratura *Setting*	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico *The valve must be set at least 1.3 times maximum load induced pressure*		
Codice *Code*	Taratura standard *Standard setting* **bar (Q=5 l/min)**	Campo di taratura *Adj. Pressure range* **bar**	Colore molla *Spring color*
01	**100**	**20÷200**	**Bianco** ***White***
02	**280**	**50÷350**	**Nero** ***Black***

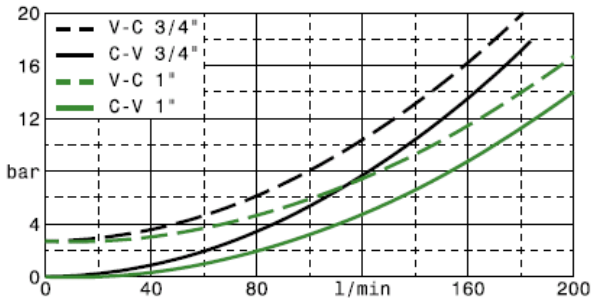
Opzioni *Options*



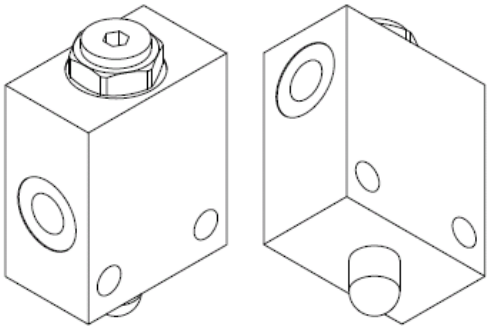


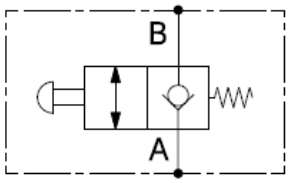
Sigla di ordinazione / Ordering code





VFC
2/2 klep

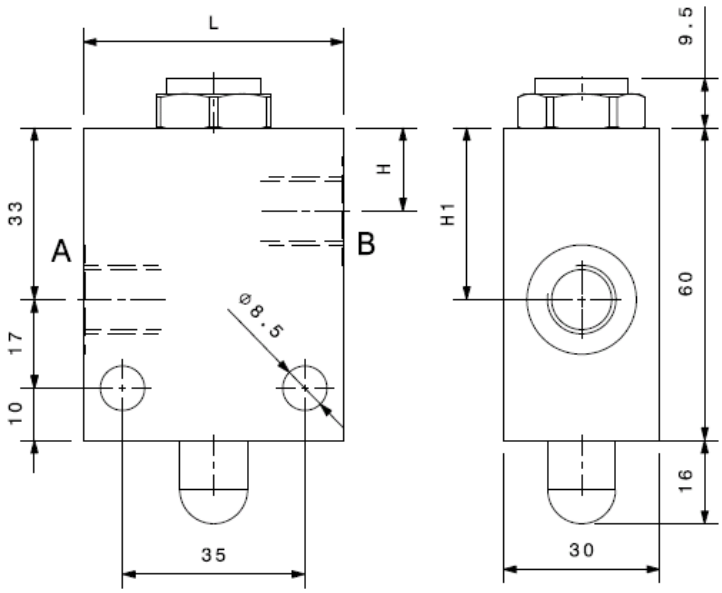




Corpo in alluminio
Aluminium body

Modello *Type*	A, B	Portata massima *Max flow*	Pressione massima *Max pressure*
VFC-14	1/4"GAS	25 l/min	300 bar
VFC-38	3/8"GAS	40 l/min	300 bar

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ



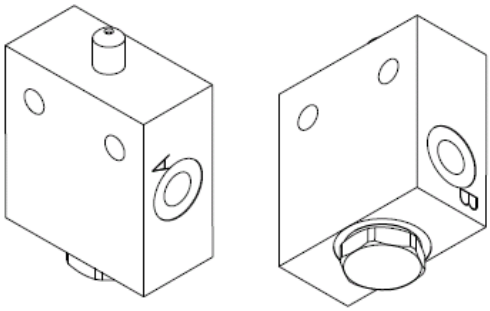
Dimensioni *Dimensions*	L	H	H1
VFC-14	50	16	33
VFC-38	60	18	33,5

Sigla di ordinazione / Ordering code

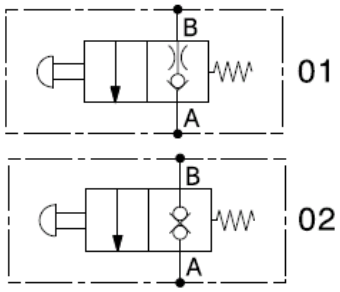
VFC-38

Modello
Type

VFCA
2/2 klep staal

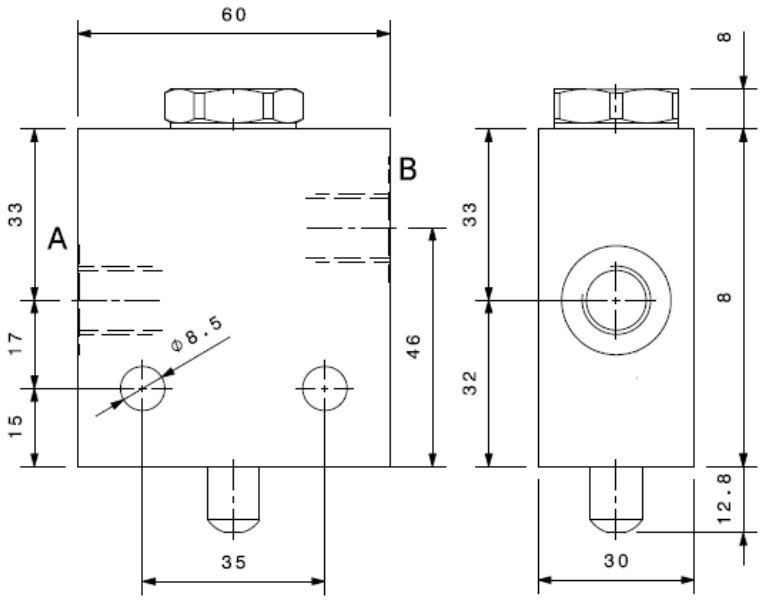


Corpo in acciaio
Steel body



Modello *Type*	A, B	Portata massima *Max flow*	Pressione massima *Max pressure*
VFCA-14	1/4"GAS	25 l/min	350 bar
VFCA-38	3/8"GAS	40 l/min	350 bar

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ



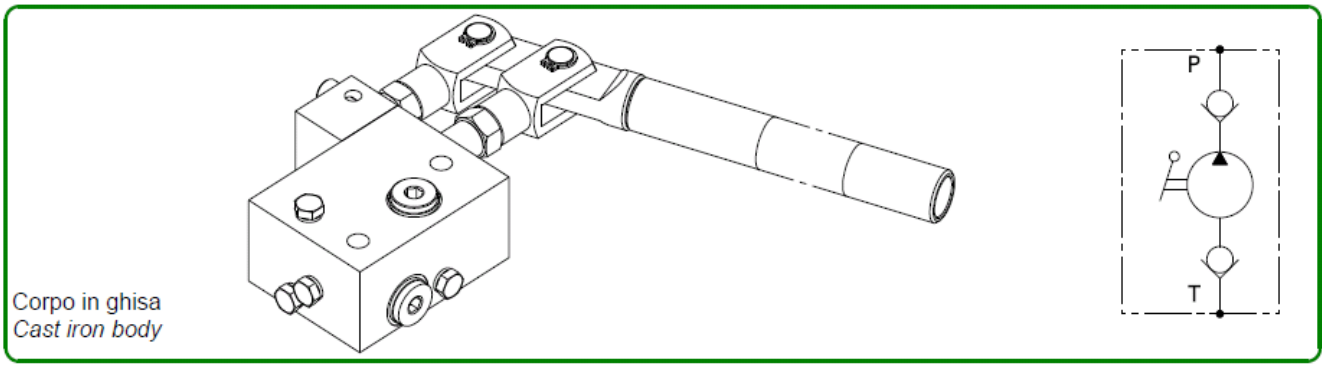
Sigla di ordinazione / Ordering code

VFCA38 — 01

Modello *Type*

Schema *Scheme* **01, 02**

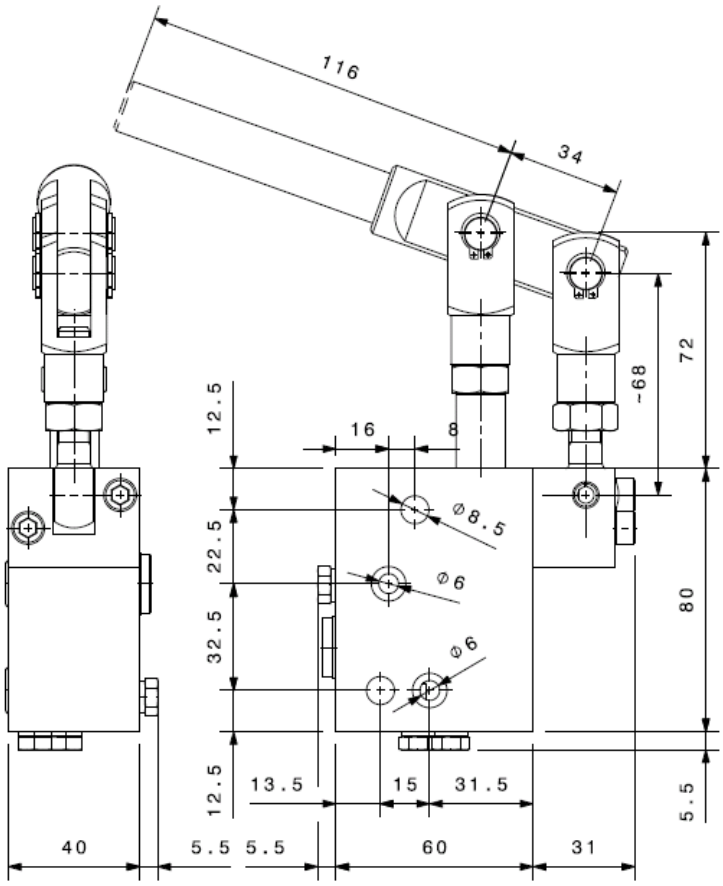
PM15-2
Handpomp



Corpo in ghisa
Cast iron body

Cilindrata *Displacement*	5.8 cm^3
Pressione massima *Max pressure*	250 bar

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ



Sigla di ordinazione / Ordering code

PM15-2

Modello
Type

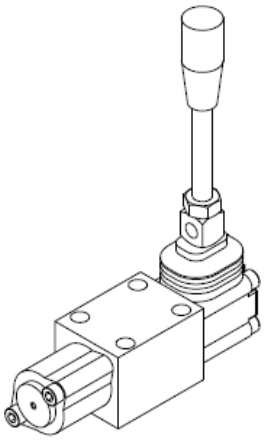
DC-3

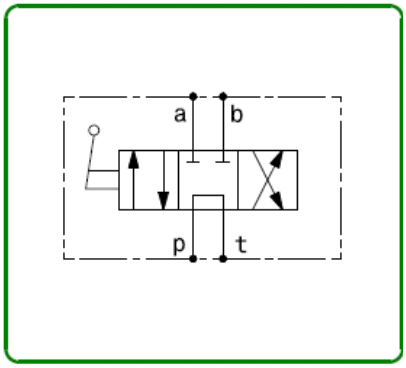
Hydraulisch ventiel NG6 handbediend

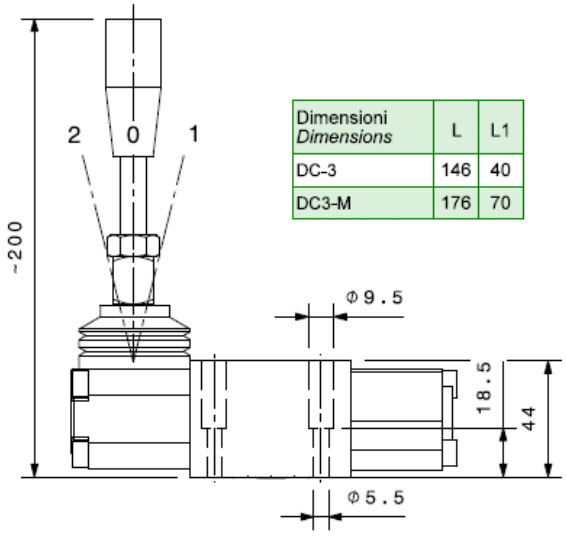
Modello *Type*	Portata massima *Max Flow*	Pressione massima *Max pressure* P,A,B	Pressione massima *Max pressure* T
DC-3	30 l/min	350 bar	150 bar
DC-3-M*	30 l/min	350 bar	150 bar

* con predisposizione microinterruttore
with microswitch predisposition

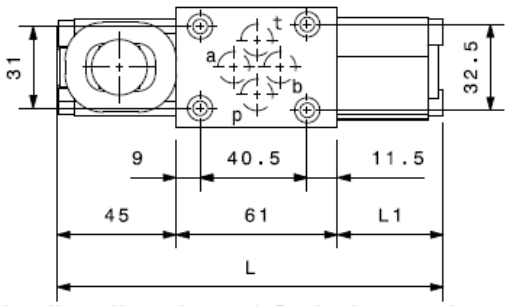
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ







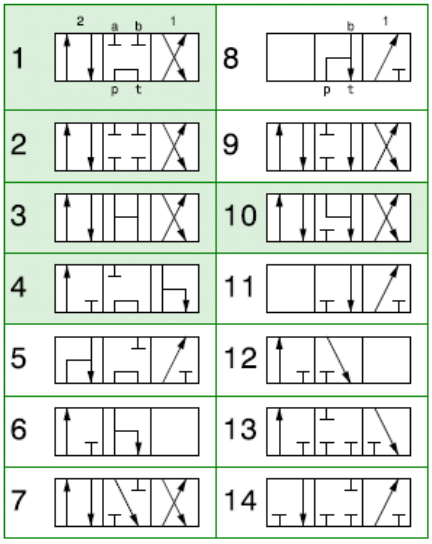
Dimensioni *Dimensions*	L	L1
DC-3	146	40
DC3-M	176	70



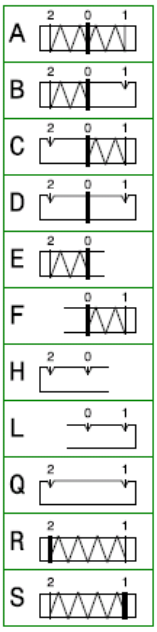
CIRCUITO *CIRCUIT*

standard

su richiesta *upon request*

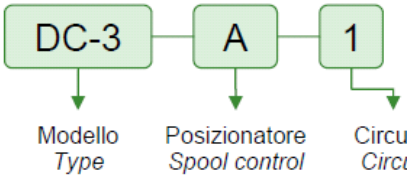


POSIZIONATORE *SPOOL CONTROL*



CIRCUITO 1: portata massima 20 l/min
CIRCUIT 1: maximum flow 20 l/min

Sigla di ordinazione / Ordering code



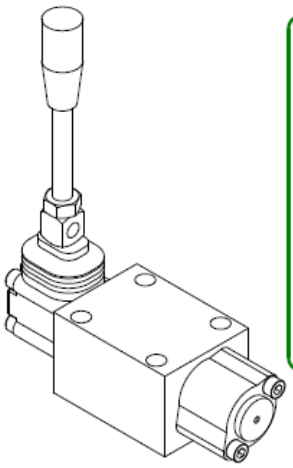
DC-5

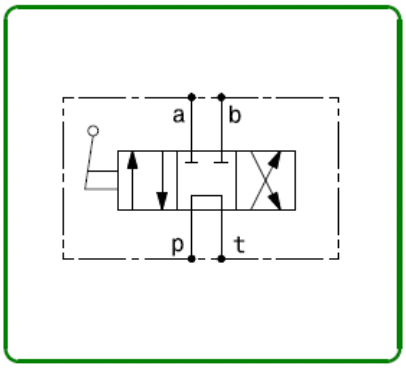
Hydraulisch ventiel NG10 handbediend

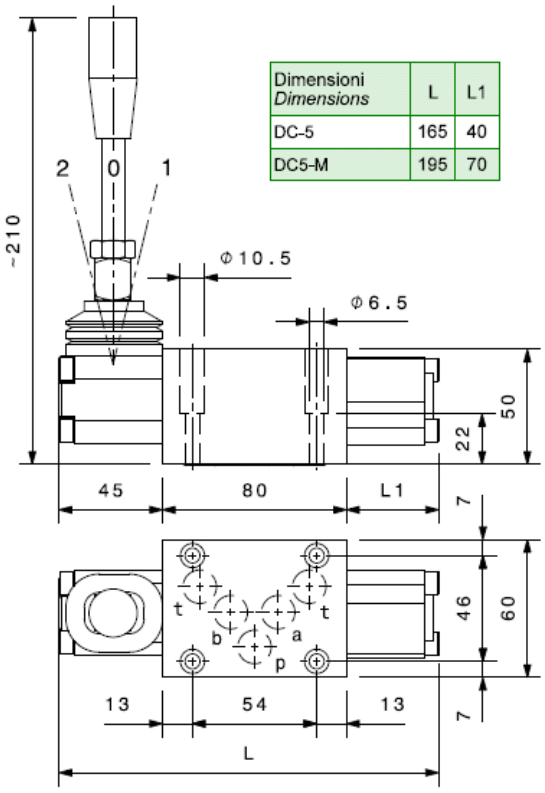
Modello *Type*	Portata massima *Max Flow*	Pressione massima *Max pressure* P,A,B	Pressione massima *Max pressure* T
DC-5	70 l/min	350 bar	150 bar
DC-5-M*	70 l/min	350 bar	150 bar

* con predisposizione microinterruttore
** with microswitch predisposition*

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ





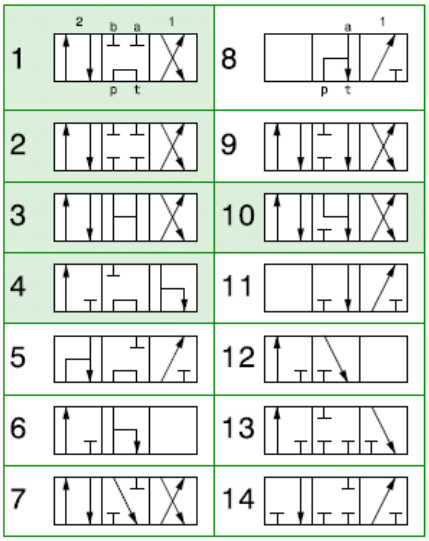


Dimensioni *Dimensions*	L	L1
DC-5	165	40
DC5-M	195	70

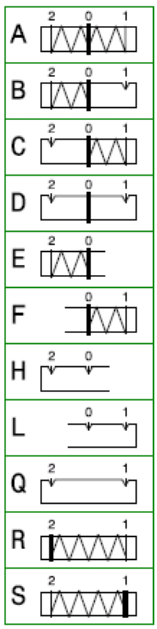
CIRCUITO *CIRCUIT*

standard

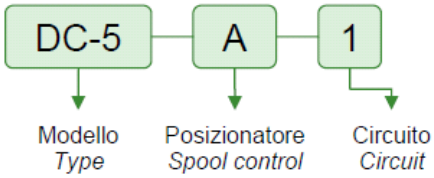
su richiesta *upon request*



POSIZIONATORE *SPOOL CONTROL*



Sigla di ordinazione / Ordering code



CIRCUITO 1: portata massima 50 l/min
CIRCUIT 1: maximum flow 50 l/min

FT1251/2-01

Regelbare smoring

DOUBLE-ACTING CONTROL VALVES FEMALE-FEMALE IN LINE

They allow the regulation of flow in both directions.
Notable from an aesthetical point of view they are built with materials which are suitable also for applications with fluids different from oil (such as: water, gas and liquids in general).
As an alternative to FT 257/2 (suitable up to 400 bar) where the working pressure does not exceed 210 bar and where ferrous materials cannot be used.
They have the same characteristics as the FT 257 series:

- accurate flow regulation;
- efficient metallic sealing;
- simple setting of flow rates;
- secure against accidental needle withdrawal;
- secure needle position with locking screw inserted in the knob;
- provision for panel mounting, for which special lock nut (G) is supplied on request.

For use with pressure up to 210 bar.

On request

- Versions AISI 316 Code FT 2251/2-01
- Viton (V) seals
- NPT threads
- ABS (mp)Knob
- Complete with lock nut (G)

FT 1251/2-01

TECHNICAL DATA

TYPE	FLOW SQ MM²	MAX WORKING PRESSURE BAR	WORKING TEMPERATURE °C	FILTRATION GRADE µM
1 8	7,07	210	-20°/+100°	25
1 4	12,57	210	-20°/+100°	25
3 8	19,64	210	-20°/+100°	25
1 2	50,27	210	-20°/+100°	25
3 4	78,54	210	-20°/+100°	25

FT1253/5-01

Regelbare smoring met terugslagklep

SINGLE-ACTING NEEDLE CONTROL VALVE IN LINE

Derived from the pressing of series **FT 1251/2** they allow regulation of flow in one direction and full free flow in opposite direction thanks to the needle unit with incorporated ball they are equipped with.
As an alternative to FT 257/5 (suitable up to 400 bar) where the working pressure does not exceed 210 bar and where ferrous materials cannot be used.
They have the same characteristics as the FT 257 series:

- accurate flow regulation;
- efficient metallic sealing;
- simple setting of flow rates;
- secure against accidental needle withdrawal;
- secure needle position;
- provision for panel mounting, for which special lock nut (G) is supplied on request.

For use with pressure up to 210 bar

On request

- Versions AISI 316 Code FT 2253/5
- Viton (V) seals
- NPT threads
- ABS (mp)Knob
- Complete with lock nut (G)

FT 1253/5

TECHNICAL DATA

TYPE	FLOW SQ MM²	MAX WORKING PRESSURE BAR	WORKING TEMPERATURE °C	FILTRATION GRADE µM
1 8	7,07	210	-20°/+100°	25
1 4	12,57	210	-20°/+100°	25
3 8	19,64	210	-20°/+100°	25
1 2	50,27	210	-20°/+100°	25
3 4	78,54	210	-20°/+100°	25

FT257/2

Regelbare smoring

DOUBLE-ACTING SHUT-OFF

They allow flow control in both directions.
They are equipped with a needle so to obtain:
- metallic seal;
- flow linearity at the opening;
- accurate control for a wide range of flow rate.

A double reference system made up of a decimal scale on the handle and of a keyed metal ring with graduated fractional scale and divided into sectors allows the identification of flow conditions.
A locking screw in the handle ensures stable flow values preventing accidental adjustments or movements due to vibrations.
A ring nut (G) is used to carry out the panel mounting, on request.

On request
- Versions AISI 316 code FT 2257/2
- Viton seals (V)
- NPT Threads
- Equipped with ring nuts (G)
- Handlewheel in ABS (mp)

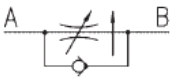
FT 257/2

TECHNICAL DATA

TYPE	FLOW SECTION CM²	WORKING PRESSURE BAR	MIN. BURSTING PRESSURE BAR	WORKING TEMPERATURE	FILTRATION GRADE µM
18	0,12	400	1600	-20°/+100°	25
14	0,19	400	1600	-20°/+100°	25
38	0,39	400	1600	-20°/+100°	25
12	0,68	400	1600	-20°/+100°	25
34	1,13	400	1600	-20°/+100°	25
100	2,09	320	1300	-20°/+100°	25
114	2,09	320	1300	-20°/+100°	25
112	3,14	320	1300	-20°/+100°	25
200	4,91	320	1300	-20°/+100°	25

FT270/5

2-weg drukgecompenseerd snelheidsregelventiel



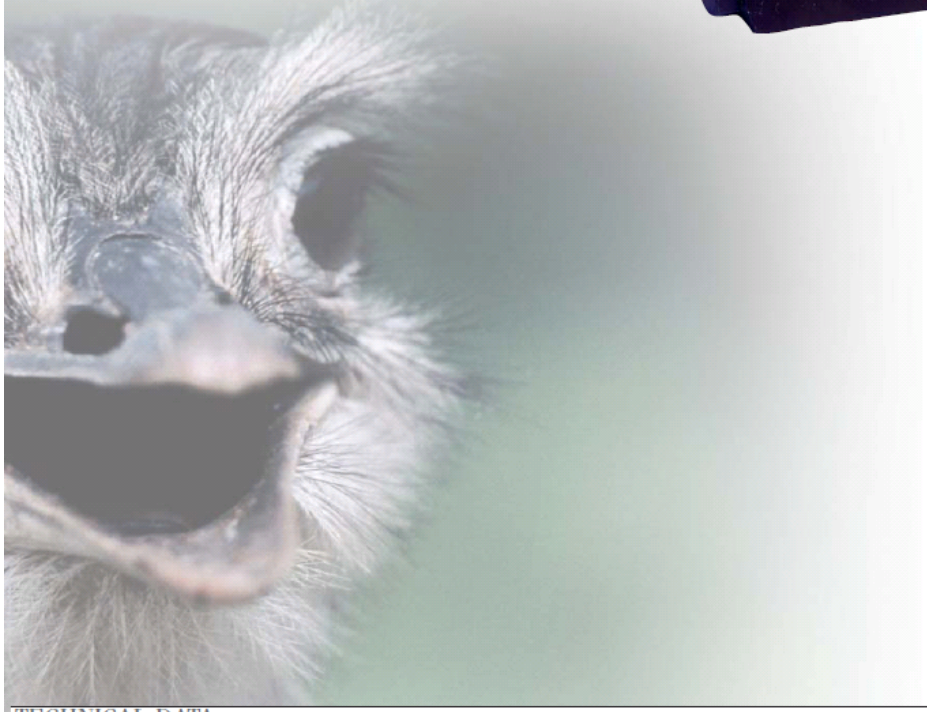
SINGLE-ACTING PRESSURE COMPENSATED DOUBLE-PORT CONTROL VALVES

The pressure compensated valves are essentially composed of an adjustable orifice and of a pressure compensator.
The check valves, realized through a valve poppet, reduce the number of the components in movement.
Inside the base there are wide transverse sections which appreciably reduce the loss of pressure.
The accuracy of the machining of the internal components ensures a very low hysteresis.
The accurate checks carried out on the products ensure a good working of the valves also in bad working conditions.

On request

- Complete with panel mounting ring nut
- Viton (V) seals
- Version AISI 316 code FT 2270/5

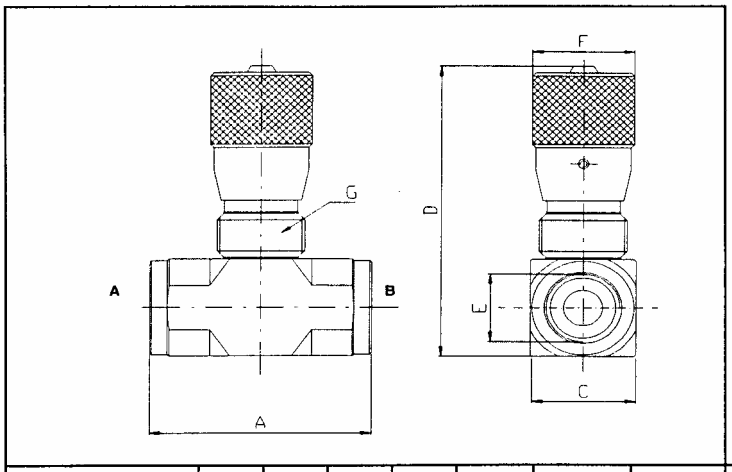
FT 270/5

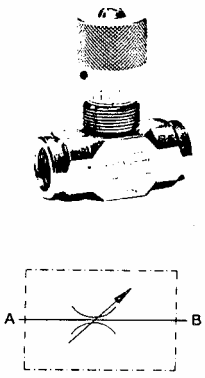


TECHNICAL DATA

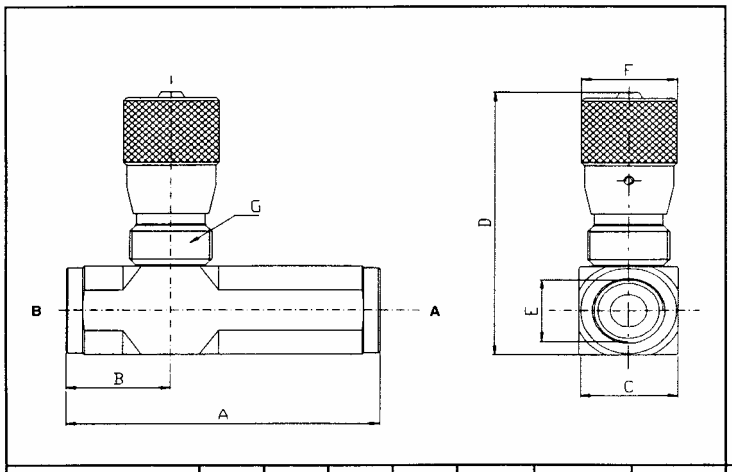
TYPE	MAX WORKING PRESSURE BAR	MIN. ΔP WORKING BAR	WORKING TEMPERATURE °C	FILTRATION GRADE µM ABSOLUTE
14	250	5	-20°/+70°	25
38	250	7	-20°/+70°	25
12	250	10	-20°/+70°	25
34	250	10	-20°/+70°	25
100	250	16	-20°/+70°	25

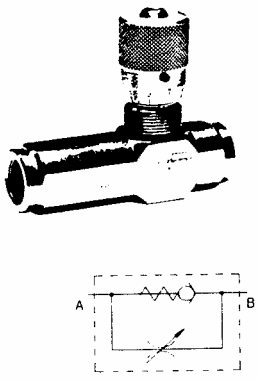
VRFB, VRFU
SMORING





Artikelnummer	E	A	C	D	F	G	max flow	max druk
	bsp	mm	mm	mm	∅ mm		l/min	bar
VRFB9001	1/4	56	25	81	30	25x1.5	15	350
VRFB9002	3/8	56	25	81	30	25x1.5	30	350
VRFB9003	1/2	64	30	88	30	25x1.5	45	350
VRFB9004	3/4	90	40	116	45	35x1.5	80	280

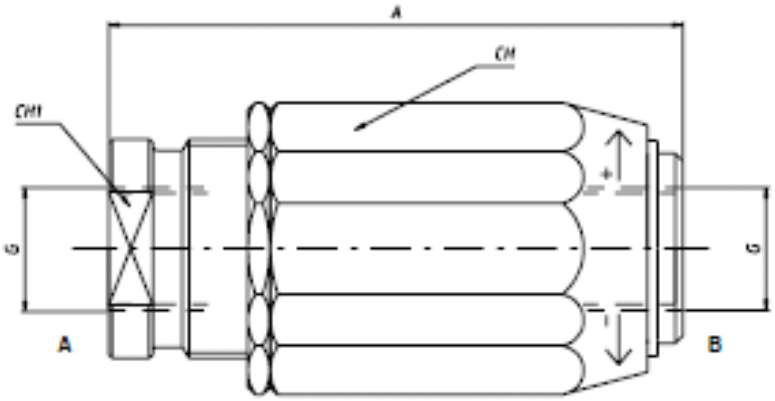




Artikelnummer	E	A	B	C	D	F	G	max flow	max flow B → A	max druk
	bsp	mm	mm	mm	mm	∅ mm		l/min		bar
VRFU9001	1/4	72	28	25	81	30	25x1.5	15	25	350
VRFU9002	3/8	75	29	25	81	30	25x1.5	30	45	350
VRFU9003	1/2	97	34	30	88	30	25x1.5	45	70	350
VRFU9004	3/4	118	44	40	116	45	35x1.5	60	120	280

ST

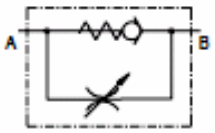
Smoring zonder terugslagklep

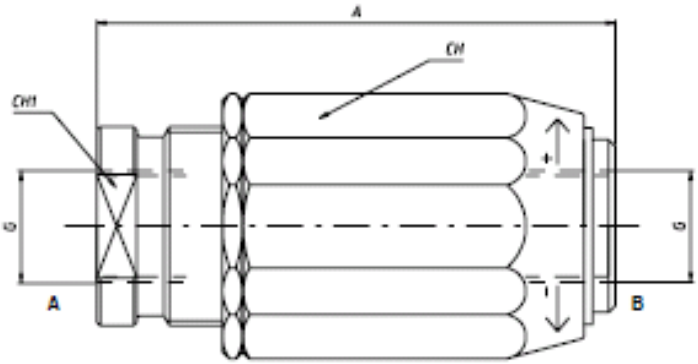


Maat	l/min	Bar	A	G BSP	G NPT	G SAE	CH	CH1	GEWICHT Kg
01	15	350	66	1/4	1/4		32	22	0.30
02	30	350	78	3/8	3/8	3/4-16	38	26	0.48
03	45	350	83	1/2	1/2	7/8-14	41	30	0.59
04	80	300	104	3/4	3/4	11/16-12	55	38	1.34
05	150	230	125	1	1	15/16-12	60	16	2.15

ST-U

Smoring met terugslagklep

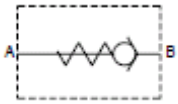


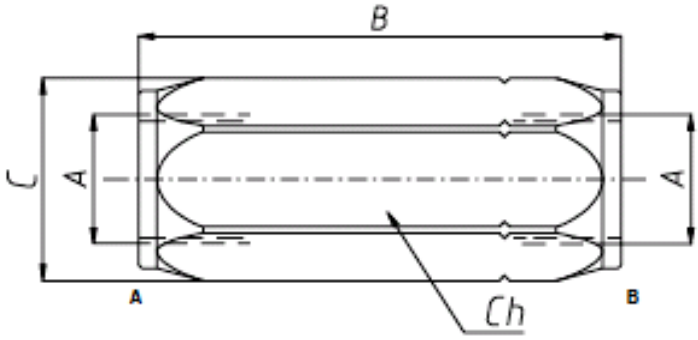


Maat	l/min	Bar	A	G BSP	G NPT	G SAE	CH	CH1	GEWICHT Kg
01	15	350	66	1/4	1/4		32	22	0.30
02	30	350	78	3/8	3/8	3/4-16	38	26	0.48
03	45	350	83	1/2	1/2	7/8-14	41	30	0.59
04	80	300	104	3/4	3/4	11/16-12	55	38	1.34
05	110	250	118	1	1	15/16-12	65	46	2.15
06	150	230	135	1 1/4	1 1/4	1 5/8-12	80	55	3.31
07	210	230	150	1 1/2	1 1/2	1 7/8-12	90	60	4.76

VU

Terugslagklep

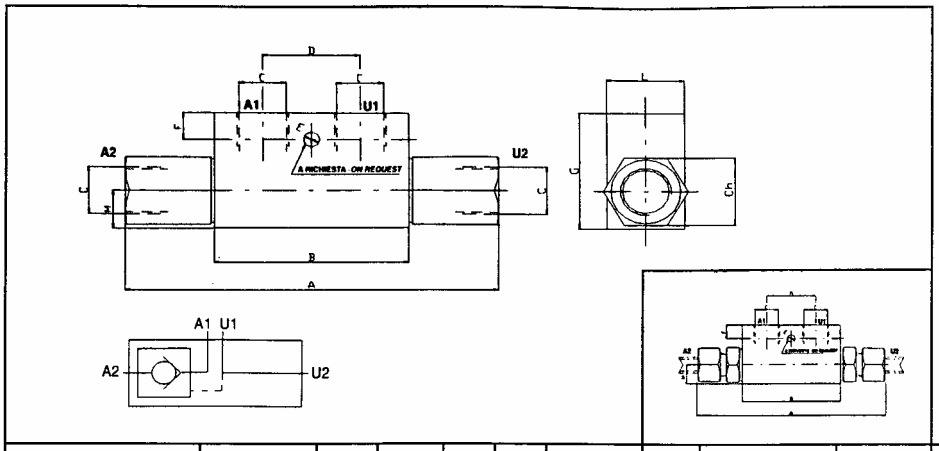




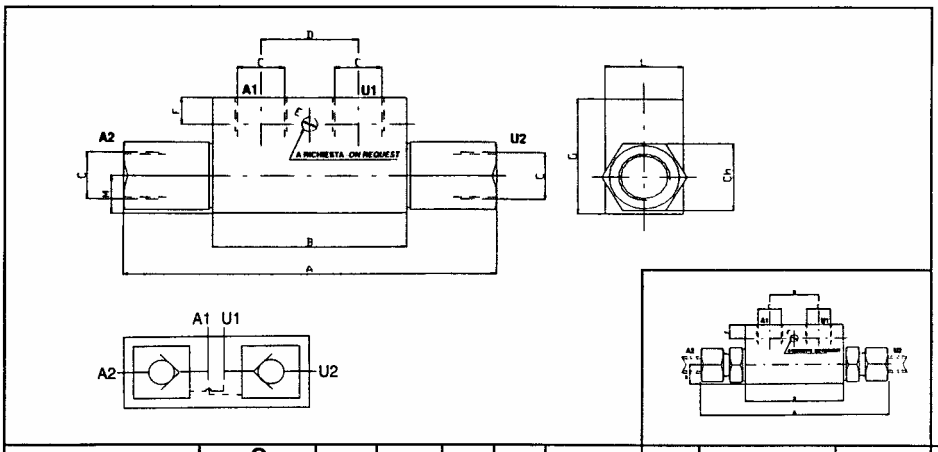
Maat	l/min	Bar	A BSP	A NPT	A SAE	B	C	CH	GEWICHT Kg
01	25	400	1/4	1/4		60	21	19	0.10
02	40	400	3/8	3/8	3/4-16	70	27	24	0.18
03	80	350	1/2	1/2	7/8-14	78	33	30	0.31
04	110	300	3/4	3/4	11/16-12	94	40	36	0.56
05	140	270	1	1	15/16-12	106	59	45	0.91
06	200	250	1 1/4	1 1/4	1 5/8-12	123	63	55	1.48
07	300	230	1 1/2	1 1/2	1 7/8-12	138	74	65	2.37

VBS, VBD

Enkel en dubbel gestuurde terugslagklep



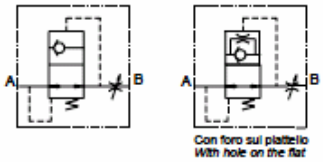
Artikelnummer	C A2/U2	A	B	D	E	F	G	L	M	CH	Max druk	Max flow
Materiaal: staal	bsp mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	bar	l/min
VBS 1/4-ST	1/4	118	68	38	7,0	7	40	30	13	24	350	20
VBS 3/8-ST	3/8	118	68	38	7,0	7	40	30	13	24	350	20
VBS 3/8-ST	3/8	144	80	40	8,5	15	50	30	16	27	350	50
VBS 1/2-ST	1/2	144	80	40	8,5	15	50	30	16	27	300	50
VBS 1/2-ST	1/2	171	90	40	8,5	15	60	40	20	30	300	80
VBS 3/4-ST	3/4	205	105	60	8,5	16	70	50	22	36	300	120
VBS 12L-ST	3/8-12L	138	68	38	7,0	7	40	30	13	24	350	20
VBS 15L-ST	1/2-15L	140	80	40	8,5	15	50	30	16	27	300	50

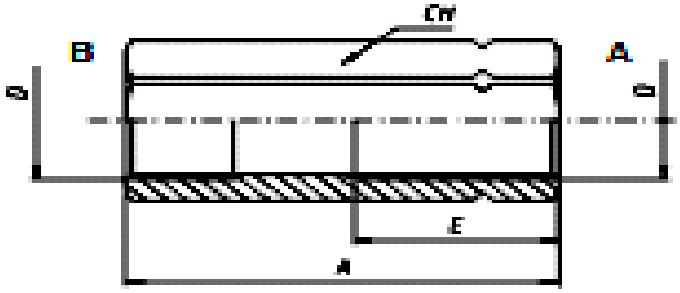


Artikelnummer	C A2/U2	A	B	D	E	F	G	L	M	CH	Max druk	Max flow
Materiaal: staal	bsp mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	bar	l/min
VBD 1/4-ST	1/4	118	68	38	7,0	7	40	30	13	24	350	20
VBD 3/8-ST	3/8	118	68	38	7,0	7	40	30	13	24	350	20
VBD 3/8-ST	3/8	144	80	40	8,5	15	50	30	16	27	350	50
VBD 1/2-ST	1/2	144	80	40	8,5	15	50	30	16	27	300	50
VBD 1/2-ST	1/2	171	90	40	8,5	15	60	40	20	30	300	80
VBD 3/4-ST	3/4	205	105	60	8,5	16	70	50	22	36	300	120
VBD 12L-ST	3/8-12L	138	68	38	7,0	7	40	30	13	24	350	20
VBD 15L-ST	1/2-15L	140	80	40	8,5	15	50	30	16	27	300	50

VPN

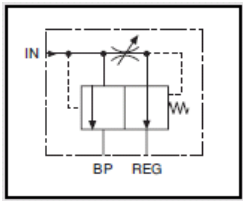
Slangbreukbeveiliging





Maat	l/min	Bar	A	D BSP	D SAE	E	CH	GEWICHT Kg
01	29	300	48	1/4		26	19	0.07
02	45	300	58	3/8	3/4-16	27	22	0.10
03	67	300	60	1/2	7/8-14	33	27	0.15
04	149	300	76	3/4	11/16-12	36	32	0.22
05	190	250	85	1	15/16-12	45	41	0.44

2FV2
Oliestroomdeler



Ordering Codes Typical Code M 2FV2V 125 J ( )

Manifold mounting available on 2FV2V model only

Valve Type (Table 1)

Regulated Flow Capacity (Table 2)

Porting (Table 3)

Pressure Setting (bar, if Relief Valve required)

Table 1: Valve Type

Code	Description
2FV2V	No Relief Valve
RV2FV2V	Relief Valve between Priority and By Pass Flow Port
RVXD2FV2V	Externally Drained Relief Valve
CK2FV2V	Check Valve between Priority and Inlet Flow Port
AC2FV2V	Anti-cavitation Check Valve between By-Pass and Priority Flow Port
M2FV2V	Manifold Mounted
PB2FV2V	Pull Back Poppet

Table 2: Regulated Flow

Code	Regulated Flow
030	0 - 11 lpm
050	0 - 19 lpm
080	0 - 30 lpm
125	0 - 47 lpm
200	0 - 76 lpm
250	0 - 95 lpm
300	0 - 114 lpm

Table 3: Porting*

Code	Port Threads Inlet Regulated Flow and Excess Flow	Relief Valve External Drain where fitted
J	3/4" BSPP	1/4" BSPP
A	3/4" NPTF	1/4" NPTF
M	M22 x 1.5, M27 x 2	M14 x 1.5
G	1-1/16" -12UN #12 SAE ORB	9/16" -18UN #6 SAE ORB
H	1/2" BSPP	1/4" BSPP
K	Manifold mounted (custom hole pattern)	N/A

* Other threads available to special order.

Note: M22 only available in flow code 030 to 125
M27 only available in flow code 200 to 300
1/2" BSPP only available in flow code 030 to 125

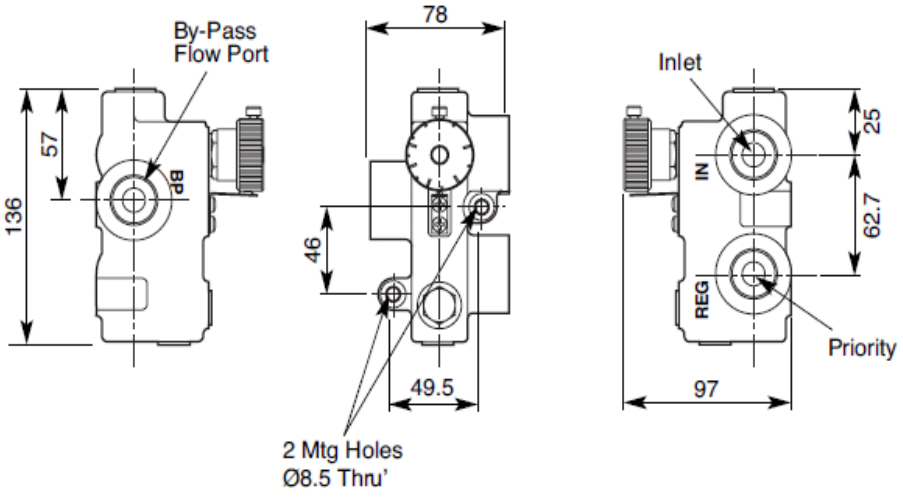
2FV2

Oliestroomdeler

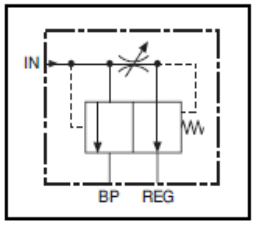
Installation Details

Dimensions in millimetres

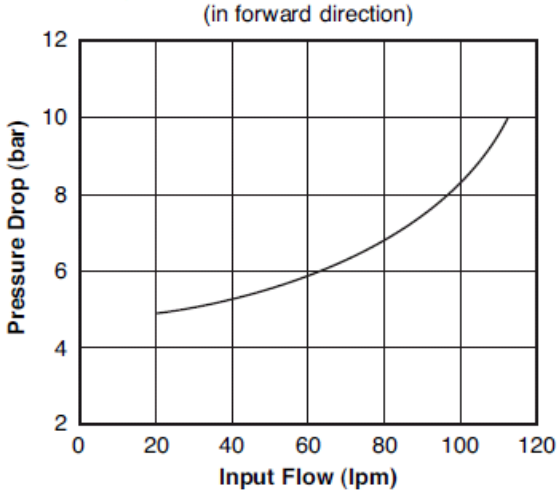
(PB) 2FV2V (No Relief Valve)



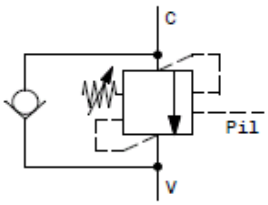
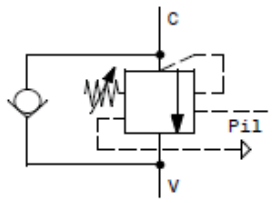
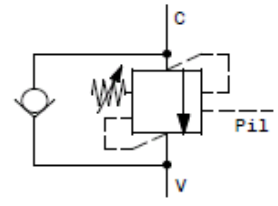
Symbol



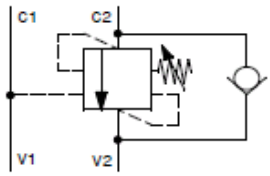
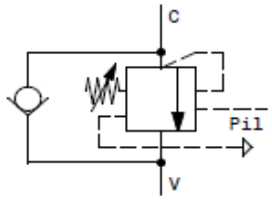
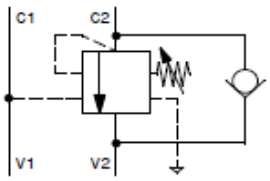
Typical Pressure Drop 2FV2V Series
(in forward direction)



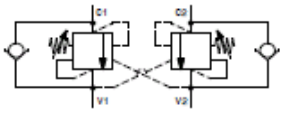
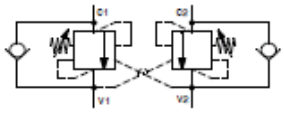
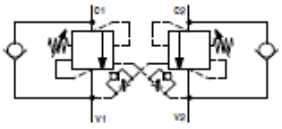
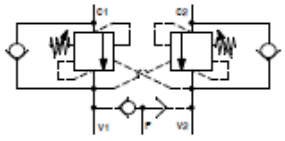
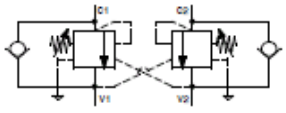
Overzicht alle kleppen

		Q [l/min]	P [bar]
Valvola overcentre a cartuccia *Pilot assisted overcentre valve – cartridge type*			
	OVC60-C	60	350
	OVC150-C	150	350
	OVC200-C	200	350
	OVC2008-C	20	350
	OVC4010-C	40	350
	OVC6012-C	60	350
	OVC15016-C	150	350
	OVC20020-C	200	350
Valvola overcentre a cartuccia compensata in pressione *Pressure compensated, pilot assisted overcentre valve – cartridge type*			
	OVC60CC-C	60	350
	OVC150CC-C	150	350
	OVC200CC-C	200	350
	OVC2008CC-C	20	350
	OVC4010CC-C	40	350
	OVC6012CC-C	60	350
	OVC15016CC-C	150	350
	OVC20020CC-C	200	350
Valvola overcentre semplice effetto con pilotaggio esterno *Single effect overcentre valve with external pilot*			
	OVC-SE-38	40	350
	OVC-SE-12	60	350
	OVC-SE-34	100	350
	OVC-SE-10	120	350
	Flangiabile con vite cava *Nipple screw flangeable*		
	OVC-SE-C-38	40	300
	OVC-SE-C-12	60	300
	Flangiabile *Flange mounted*		
	OVC-SE-F38-38	40	350
	OVC-SE-F38-12	60	350
	OVC-SE-F2-PST-38	40	350
	OVC-SE-F2-PST-38	60	350
	OVC-SE-F-38-..-A	40	350
	OVC-SE-F-12-..-A	60	350

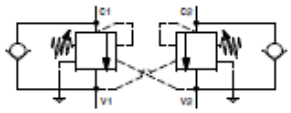
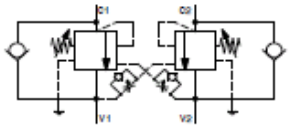
Overzicht alle kleppen

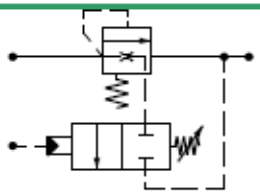
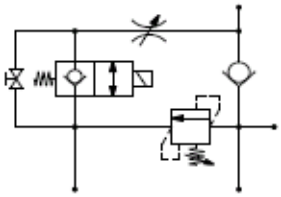
		Q [l/min]	P [bar]
Valvola overcentre semplice effetto in linea *In line, single effect overcentre valve*			
	OVC-SE-L-38	40	350
	OVC-SE-L-12	60	350
	OVC-SE-L-34	100	350
	OVC-SE-L-10	120	350
	OVC-SE-L-200-34	150	350
	OVC-SE-L-200-10	200	350
	Flangiabile con vite cava *Nipple screw flangeable*		
	OVC-SE-CL-38	40	300
	OVC-SE-CL-12	60	300
	Flangiabile *Flange mounted*		
	OVC-SE-L-F40-PST-12-..-A	80	350
	OVC-SE-L-F40-PST-34-..-A	120	350
Valvola overcentre semplice effetto con pilotaggio esterno – centro chiuso *Singel effect overcentre valve with external pilot – closed centre*			
	OVC-SE-CC-38	40	350
	OVC-SE-CC-12	60	350
	OVC-SE-CC-34	100	350
	OVC-SE-CC-10	120	350
Valvola overcentre semplice effetto in linea - centro chiuso *In line, single effect overcentre valve - closed centre*			
	OVC-SE-L-CC-38	40	350
	OVC-SE-L-CC-12	60	350
	OVC-SE-L-CC-34	100	350
	OVC-SE-L-CC-10	120	350
	OVC-SE-L-200-CC-34	150	350
	OVC-SE-L-200-CC-10	200	350
	Flangiabile *Flange mounted*		
	OVC-SE-L-F40-PST-12-CC..-A	80	350
	OVC-SE-L-F40-PST-34-CC-..-A	120	350

Overzicht alle kleppen

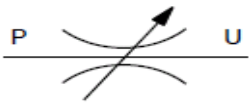
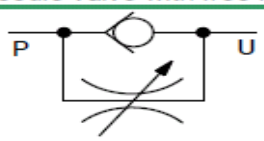
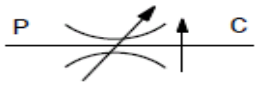
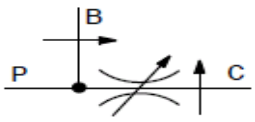
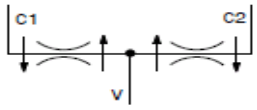
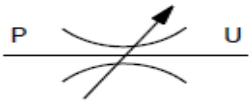
		Q [l/min]	P [bar]
Valvola overcentre doppio effetto *Double effect overcentre valve*			
	OVC-DE-38	40	350
	OVC-DE-12	60	350
	Flangiabile con vite cava *Nipple screw flangeable*		
	OVC-DE-C-38	40	300
	In linea *In line*		
	OVC-DE-L-38	40	350
	OVC-DE-L-12	60	350
	OVC-DE-L-34	100	350
	OVC-DE-L-10	120	350
	OVC-DE-L-200-34	150	350
	OVC-DE-L-200-10	200	350
	OVC-DE-L-2001-34	150	350
Valvola overcentre doppio effetto in linea flangiabile *Flageable, in line, double effect overcentre valve*			
	OVC-DE-L-F40-38	40	350
	OVC-DE-L-F40-12	60	350
	OVC-DE-L-F48-38	40	350
	OVC-DE-L-F30-14	20	350
	OVC-DE-L-F30-38	40	350
Valvola overcentre doppio effetto in linea flangiabile *Flageable, in line, double effect overcentre valve*			
	OVC-DE-F2-PST-12	60	350
Valvola overcentre doppio effetto in linea con sblocco freno *In line, double effect overcentre valve with brake unclamping*			
	OVC-DE-L-SF-38	40	350
	OVC-DE-L-SF-12	60	350
	OVC-DE-L-SF-34	100	350
	OVC-DE-L-SF-10	120	350
Valvola overcentre doppio effetto - centro chiuso *Double effect overcentre valve - closed centre*			
	OVC-DE-CC-38	40	350
	OVC-DE-CC-12	60	350

Overzicht alle kleppen

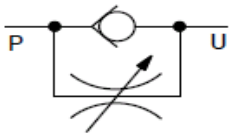
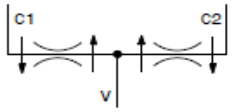
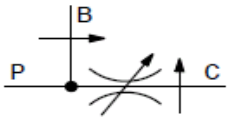
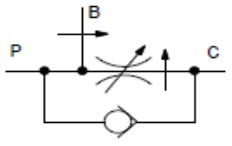
		Q [l/min]	P [bar]
Valvola overcentre doppio effetto in linea - centro chiuso *In line, double effect overcentre valve - closed centre*			
	OVC-DE-L-CC-38	40	350
	OVC-DE-L-CC-12	60	350
	OVC-DE-L-CC-34	100	350
	OVC-DE-L-CC-10	120	350
	OVC-DE-L-200-CC-34	150	350
	OVC-DE-L-200-CC-10	200	350
Valvola overcentre doppio effetto in linea flangiabile *Flageable, in line, double effect overcentre valve*			
	OVC-DE-F2-PST-CC-12	80	350

		Q [l/min]	P [bar]
	VMS-34	150	300
	EV25-VLP40-VNR40-ST-38	25	300
	EV25-VLP40-VNR40-ST-12	25	300
	EV70-VLP80-VNR80-ST-12	70	250
	EV70-VLP80-VNR80-ST-34	70	250
	EV150-VLP130-VNR130-ST-10	130	250

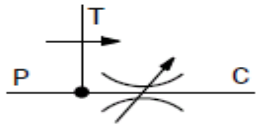
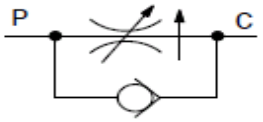
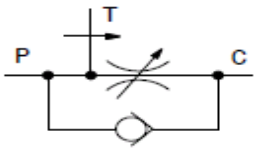
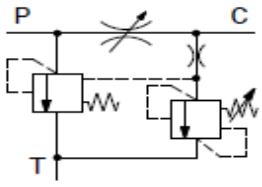
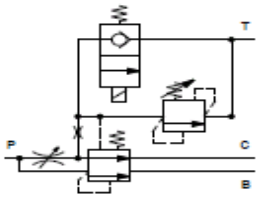
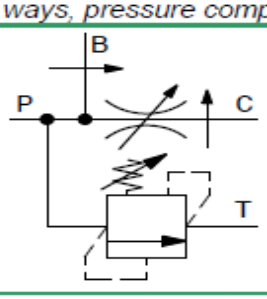
Overzicht alle kleppen

		Q [l/min]	P [bar]
Strozzatore a cartuccia *Needle valve – cartridge type*			
	STV-C	5	350
	ST5-C	5	350
	ST-C	40	350
	ST08-C	40	350
	ST80-C	80	300
	ST130-C	130	300
Strozzatore unidirezionale a cartuccia *Needle valve with free flow check – cartridge type*			
	STVU-C	40	350
	STVU08-C	40	350
	ST80VU-C	80	300
Valvola regolatrice di flusso compensata, due vie, a cartuccia *2 ways, pressure compensated flow regulator valve – cartridge type*			
	RF2-50-C	30	350
	RF2-70-27-C	70	350
	RF2-130-33-C	130	350
	RF2-200-42-C	200	350
	RF2-70-12-C	70	350
	RF2-130-16-C	130	350
	RF2-200-20-C	200	350
Valvola regolatrice di flusso compensata, tre vie, a cartuccia *3 ways, pressure compensated flow regulator valve – cartridge type*			
	RFP-50-C	40	350
	RFP-90-C	90	350
	RFP-150-33-C	150	350
	RFP-250-42-C	250	350
	RFP-90-12-C	90	350
	RFP-150-16-C	150	350
	RFP-250-20-C	250	350
	RF-C3	40	350
Divisore – riunificatore di flusso a cartuccia *Flow divider combiner – cartridge type*			
	DFR-C	70	350
	DFR-10-C	40	350
	DFR-12-C	70	350
	DFR-16-C	150	350
	DFR-20-C	250	350
Strozzatore *Needle valve*			
	ST-14	25	350
	ST-38	40	350
	ST-12	60	350
	ST-34	120	350
	ST-10	200	300
	STP-14	15	350
	STP-38	30	350
	STP-12	45	350
	STP-34	85	300

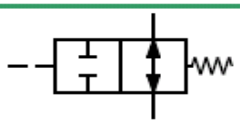
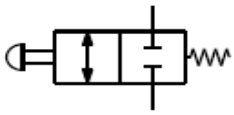
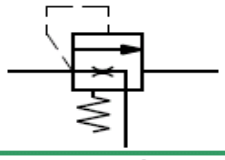
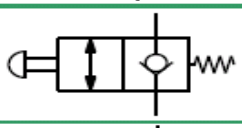
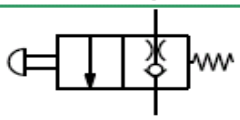
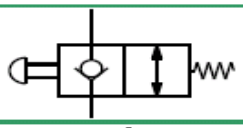
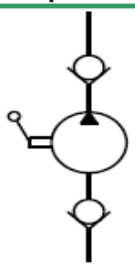
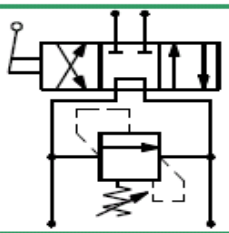
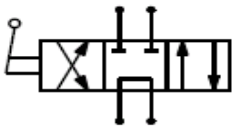
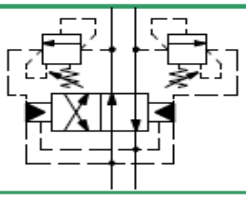
Overzicht alle kleppen

		Q [l/min]	P [bar]
Strozzatore unidirezionale *Needle valve with free flow check – cartridge type*			
	STU-14	25	350
	STU-38	40	350
	STU-12	60	350
	STU-34	120	350
	STU-10	200	300
	STPU-14	15	350
	STPU-38	30	350
	STPU-12	45	350
	STPU-34	85	300
Divisore – riunificatore di flusso *Flow divider combiner*			
	DFR-38	25	300
	DFR-12	70	300
	DFR-34	150	250
	DFR-10	150	250
Valvola regolatrice di flusso compensata, tre vie *3 ways, pressure compensated flow regulator valve*			
	RFP-50-38	40	300
	RFP-50-12	40	300
	RFP-90-12	90	300
	RFP-90-34	90	300
	RF-3-38	40	300
	RF-3-12	40	300
	RFP-38	70	350
	RFPA-38	60	270
	RFPA-12	100	270
	RFPA-34	150	270
	RFPA-10	380	270
	RFPA-38-CE	60	270
	RFPA-12-CE	100	270
	RFPA-34-CE	150	270
	RFPA-10-CE	380	270
	RF-G	90	350
Valvola regolatrice di flusso compensata, tre vie, con ritorno libero *3 ways, pressure compensated flow regulator valve, with free flow check*			
	RFP-50-VU-38	40	300
	RFP-50-VU-12	40	300
	RFP-90-VU-12	90	300
	RFP-90-VU-34	90	300
Valvola regolatrice di flusso compensata, due vie *2 ways, pressure compensated flow regulator valve*			
	RF-A2-38	45	270
	RF-A2-12	60	270
	RF-A2-34	90	270
	RF-A2-10	190	270

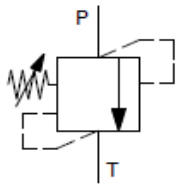
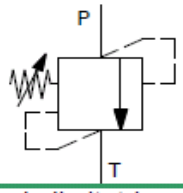
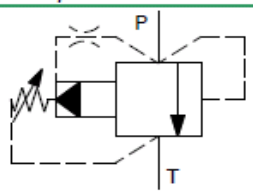
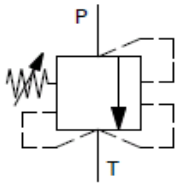
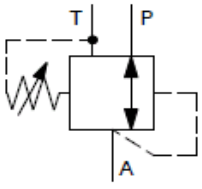
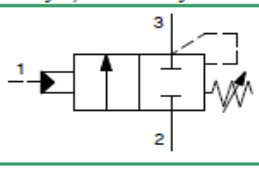
Overzicht alle kleppen

		Q [l/min]	P [bar]
Valvola regolatrice di flusso compensata, tre vie *3 ways, pressure compensated flow regulator valve*			
	RF-A-38	60	270
	RF-A-12	100	270
	RF-A-34	150	270
	RF-A-10	280	270
	RF-A-38-L	60	270
	RF-A-12-L	100	270
Valvola regolatrice di flusso compensata, due vie, con ritorno libero *2 ways, pressure compensated flow regulator valve, with free flow check*			
	RF-A2-VU-38	45	270
	RF-A2-VU-12	60	270
	RF-A2-VU-34	90	270
	RF-A2-VU-10	190	270
Valvola regolatrice di flusso compensata, tre vie, con ritorno libero *3 ways, pressure compensated flow regulator valve, with free flow check*			
	RF-A-VU-38	60	270
	RF-A-VU-12	100	270
	RF-A-VU-34	150	270
	RF-A-VU-10	280	270
Valvola regolatrice di flusso compensata, tre vie, con limitatrice di pressione *3 ways, pressure compensated flow regulator valve, with relief valve*			
	RF-A-VLP10-38	60	270
	RF-A-VLP10-12	100	270
	RF-A-VLP10-34	150	270
	RF-A-VLP10-10	280	270
Valvola regolatrice di flusso compensata tre vie azionabile elettricamente con valvola limitatrice di p *3 ways, pressure compensated flow regulator valve with solenoid valve and relief*			
	RFPAEV-VLP-38	60	270
	RFPAEV-VLP-12	100	270
	RFPAEV-VLP-34	150	270
	RFPAEV-VLP-10	380	270
Valvola regolatrice di flusso compensata, tre vie, con limitatrice di pressione *3 ways, pressure compensated flow regulator valve, with relief valve*			
	RF-GV	90	350

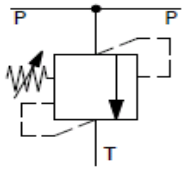
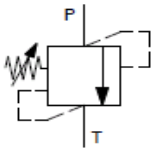
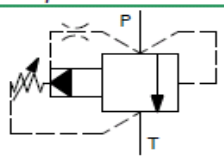
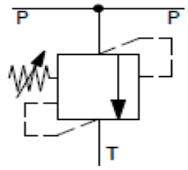
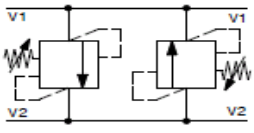
Overzicht alle kleppen

		Q [l/min]	P [bar]
	V3P-C	40	350
	V3P-38	40	350
	V2M-C	40	350
	V2M-14	25	350
	V2M-38	40	350
	VMS-C	200	350
	VFC-14	25	300
	VFC-38	40	300
	VFCA-14	25	350
	VFCA-38	40	350
	VAC38	35	300
	PM15		250
	PM15-2		250
	BM007200		250
	DM-1	30	350
	DM4	5	400
	DC3	30	350
	DC5	70	350
	VAD-F-C3	30	250
	VAD-F-C5	70	250

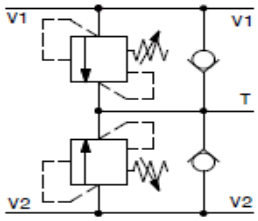
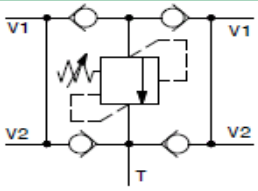
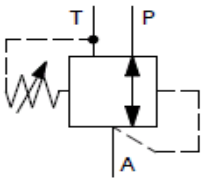
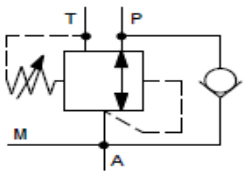
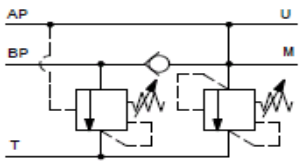
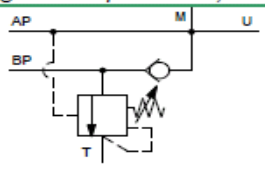
Overzicht alle kleppen

		Q [l/min]	P [bar]
Valvola limitatrice di pressione a cartuccia *Direct acting relief valve – cartridge type*			
	VLP5-C	5	400
	VLP10-C	10	350
	VLP30-C	30	350
	VLP40-C	40	300
	VLP4008-C	40	300
	VLP45-C	45	300
	VLP80-C	80	300
	VLP85-C	85	300
Valvola limitatrice di pressione diretta con pistone differenziale a cartuccia *Direct acting differential piston relief valve – cartridge type*			
	VLP130-CD	130	350
	VLP150-CD	150	350
	VLP20016-CD	200	350
	VLP40020-CD	400	350
Valvola limitatrice di pressione pilotata a cartuccia *Pilot operated relief valve – cartridge type*			
	VLP150-PC	150	350
	VLP200-PC	200	350
Valvola limitatrice di pressione diretta a cartuccia compensata in pressione *Pressure compensated, direct acting relief valve – cartridge type*			
	VLP40-CC	40	350
	VLP80-CC	80	350
	VLP130-CC	130	350
Valvola riduttrice di pressione diretta a cartuccia *Direct acting pressure reducing valve – cartridge type*			
	RP25-C	25	300
	RP40-C	40	300
Valvola di sequenza 3 vie normalmente chiusa a cartuccia *3 ways, normally closed sequence valve – cartridge type*			
	VP-C	5	350

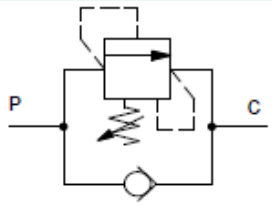
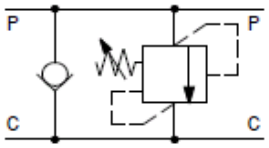
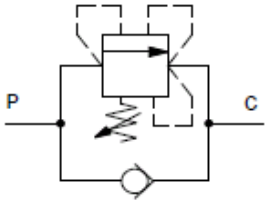
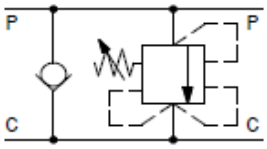
Overzicht alle kleppen

		Q [l/min]	P [bar]
Valvola limitatrice di pressione *Direct acting relief valve*			
	VLP5-18	5	350
	VLP40-14	25	350
	VLP40-38	35	350
	VLP40-12	40	350
	VLP80-12	80	300
	VLP80-34	80	300
	VLP130-34	130	300
	VLP130-10	130	300
	VLP10-14	10	350
	VLP10-38	10	350
	VLP30-14	25	350
	VLP30-38	30	350
	VLP30-12	30	350
Valvola limitatrice di pressione pilotata *Pilot operated relief valve*			
	VLP200P-34	200	250
	VLP200P-10	200	250
Valvola limitatrice di pressione *Direct acting relief valve*			
	VLP40-L-14	25	350
	VLP40-L-38	35	350
	VLP40-L-12	40	350
	VLP80-L-12	80	300
	VLP80-L-34	80	300
	VLP130-L-34	130	300
	VLP130-L-10	130	300
Valvola limitatrice di pressione *Direct acting relief valve*			
	VLP40-DI-38	35	300
	VLP40-DI-12	40	300
	VLP80-DI-12	80	300
	VLP80-DI-34	80	300
	VLP130-DI-34	130	250
	VLP130-DI-10	130	250
	In linea *In line*		
	VLP10-DIL-14	10	300
	VLP10-DIL-38	10	300
	VLP40-DIL-38	35	300
	VLP40-DIL-12	40	300
	VLP80-DIL-12	80	300
	VLP80-DIL-34	80	300
	VLP130-DIL-34	130	250
	VLP130-DIL-10	130	250

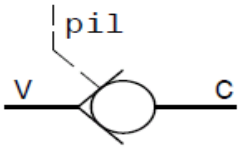
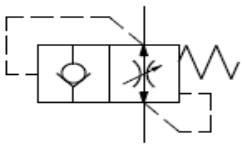
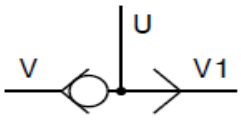
Overzicht alle kleppen

		Q [l/min]	P [bar]
Valvola limitatrice di pressione doppia e anticavitazione *Dual relief and anticavitation valve*			
	VLP40-DA-12	40	300
	VLP80-DA-12	80	300
	VLP80-DA-34	80	300
Valvola limitatrice di pressione semplice e anticavitazione *Single relief and anticavitation valve*			
	VLP40-A-12	40	300
	VLP80-A-12	80	300
	VLP80-A-34	80	300
Valvola riduttrice di pressione diretta *Direct acting pressure reducing valve*			
	RP25-38	25	300
	RP25-12	25	300
Valvola riduttrice di pressione diretta con valvola di non ritorno *Direct acting pressure reducing valve with check valve*			
	RP25-VU-38	25	300
	RP25-VU-12	25	300
Valvola di esclusione alta-bassa pressione *High - low pressure, relief and unloading valve*			
	VEP-VLP40-38	40	350
	VEP-VLP40-12	40	350
	VEP-VLP80-12	80	350
Valvola di esclusione alta-bassa pressione flangiabile su pompa ad ingranaggi *High - low pressure, relief and unloading valve - direct mounting on gear pumps*			
	VEP80-FPG	45	350

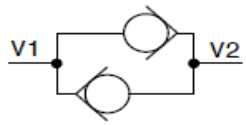
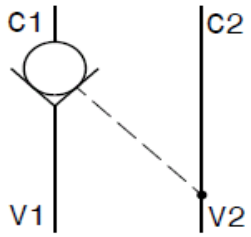
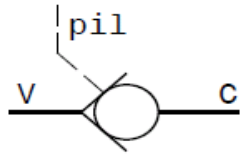
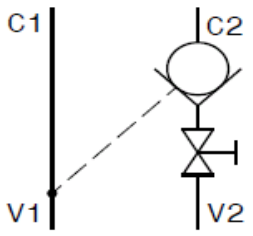
Overzicht alle kleppen

		Q [l/min]	P [bar]
Valvola di sequenza ad azione diretta *Direct acting sequence valve*			
	VSQ40-38	40	300
	VSQ40-12	40	300
	VSQ80-12	80	300
	VSQ80-34	80	300
Valvola di sequenza ad azione diretta in linea *In line, direct acting sequence valve*			
	VSQ40-L-38	40	300
	VSQ40-L-12	40	300
	VSQ80-L-12	80	300
	VSQ80-L-34	80	300
	VSQ130-L-34	130	300
	VSQ130-L-10	130	300
Valvola di sequenza ad azione diretta con esclusione della pressione primaria *Direct acting sequence valve with primary pressure cut-off*			
	VSQ40-CC-38	40	300
	VSQ40-CC-12	40	300
	VSQ80-CC-12	80	300
	VSQ80-CC-34	80	300
Valvola di sequenza ad azione diretta in linea con esclusione della pressione primaria *In line, direct acting sequence valve with primary pressure cut-off*			
	VSQ40-L-CC-38	40	300
	VSQ40-L-CC-12	40	300
	VSQ80-L-CC-12	80	300
	VSQ80-L-CC-34	80	300
	VSQ130-L-CC-34	130	300
	VSQ130-L-CC-10	130	300

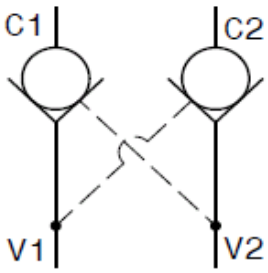
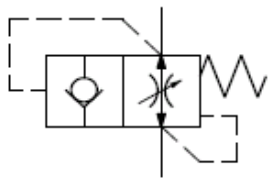
Overzicht alle kleppen

		Q [l/min]	P [bar]
Valvola unidirezionale a cartuccia *Check valve – cartridge type*			
	VNR40-C	40	350
	VNR40-08-C	40	350
	VNR60-C	60	350
	VNR80-C	80	300
	VNR130-C	130	300
	VNR200-C	200	300
	VNR200-20-C	200	300
Valvola unidirezionale pilotata a cartuccia *Pilot operated check valve – cartridge type*			
	VBP20-08-C	20	350
	VBP40-C	40	350
	VBP60-10-C	60	350
	VBP90-C	90	350
Valvola paracadute a cartuccia *Screw-in hose burst valve*			
	VPN-14	25	350
	VPN-38	50	350
	VPN-12	80	350
	VPN-34	150	350
Valvola selettrice *Shuttle valve*			
	VSF-14	20	350
	VSF-38	40	350
	VSF-12	60	350
	VSF-34	100	280
	VSM-14	20	350
	VSM-38	40	350
	VSM-12	60	350
	VSM-34	100	280
Valvola unidirezionale *Check valve*			
	VU14-SF	15	500
	VU38-SF	30	500
	VU12-SF	50	500
	VU34-SF	90	350
	VU14-SP	15	500
	VU38-SP	30	500
	VU12-SP	50	500
	VU34-SP	90	350
	VU10-SP	100	350
	VU38-MM	25	350
	VU12-MM	40	350

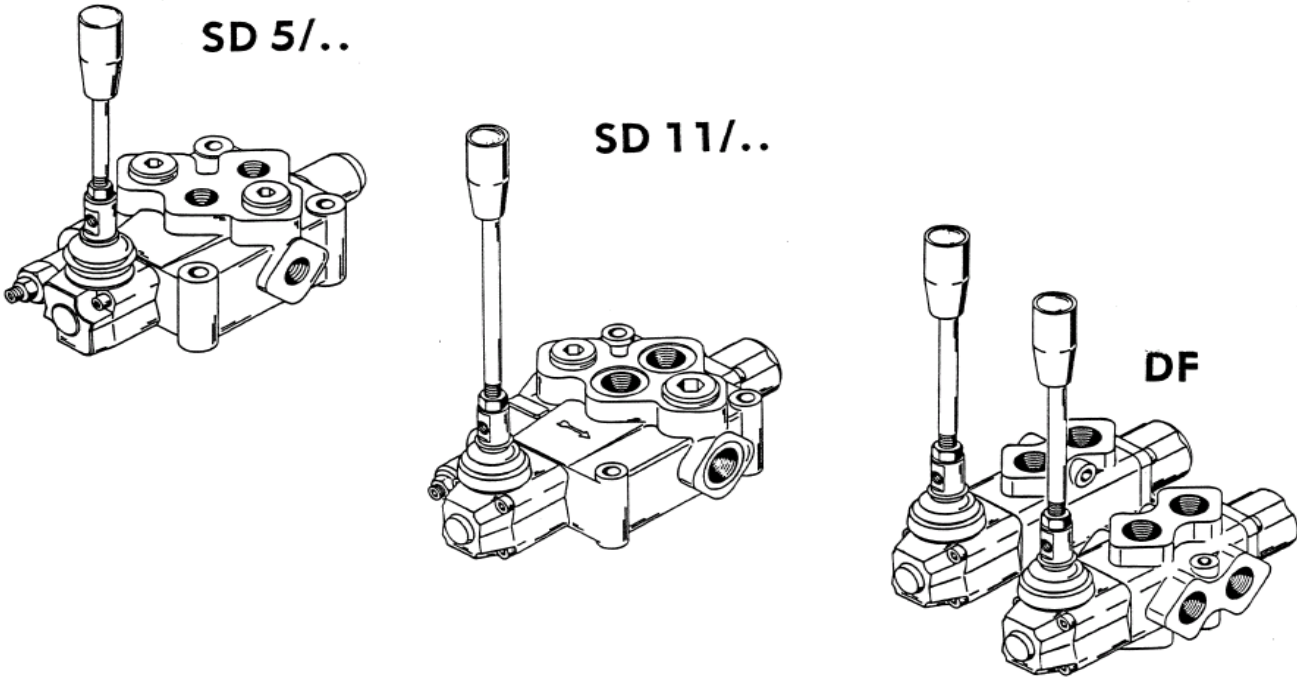
Overzicht alle kleppen

		Q [l/min]	P [bar]
Valvola bidirezionale *Double acting check valve*			
	VBD-E-38	30	350
Valvola di blocco a semplice effetto *Single effect, pilot operated check valve*			
	VBS-14-SF	20	350
	VBS-38-SF	35	350
	VBS-12-SF	50	350
	VBS-14-SP	20	350
	VBS-38-SP	35	350
	VBS-12-SP	50	350
	VBS-34-SP	80	250
	In linea *In line*		
	VBS-L-14	20	350
	VBS-L-38	35	350
	VBS-L-12	50	350
	VBS-L-34	50	350
	Flangiabile *Flangeable*		
	VBS-L-F-38	35	350
	VBS-L-F-12	50	350
Valvola di blocco semplice effetto con pilotaggio separato *Pilot operated check valve with vented pilot*			
	VBS-L-PS-14	20	350
	VBS-L-PS-38	35	350
	VBS-L-PS-12	50	350
	VBS-F-PS-38	35	350
	VBS-F-PS-12	50	350
Valvola di blocco pilotata semplice effetto con rubinetto manuale *Single effect, pilot operated check valve with manual lever*			
	VBS-R-D-38	35	300
	VBS-R-D-12	50	300
	VBS-R-S-38	35	300
	VBS-R-S-12	50	300
	Flangiabile *Flangeable*		
	VBS-F-R-D-38	35	300
	VBS-F-R-S-38	35	300

Overzicht alle kleppen

		Q [l/min]	P [bar]
Valvola di blocco a doppio effetto *Double effect, pilot operated check valve*			
	VBD-14-SF	20	350
	VBD-38-SF	35	350
	VBD-12-SF	50	350
	VBD-14-SP	20	350
	VBD-38-SP	35	350
	VBD-12-SP	50	350
	VBD-34-SP	80	250
	VBD-14-SF-M16X1.5	20	350
	VBD-38-SF-M18X1.5	35	350
	VBD-14-SP-M16X1.5	20	350
	VBD-38-SP-M18X1.5	35	350
	In linea *In line*		
	VBD-L-14	25	350
	VBD-L-38	35	350
	VBD-L-12	50	350
	VBD-L-34	80	250
	Flangiabile *Flangeable*		
	VBD-L-F-38	35	350
	VBD-L-F-12	50	350
	VBD-L-F-34	80	350
Valvola paracadute *Hose burst valve*			
	VPN-14-MF	25	350
	VPN-38-MF	50	350
	VPN-12-MF	80	350
	VPN-34-MF	150	350
	VPN-14-FF	25	350
	VPN-38-FF	50	350
	VPN-12-FF	80	350
	VPN-34-FF	150	350

SD5/SD11/DF



Bestel code SD5 / 2 38 / 111 / 38 AET

Monobloc uitvoering:
SD4 SD5/.. SD11/.. SD18/..

Compositiebloc uitvoering:
SD6/.. SD10/.. SD16/.. SD20/..

Aantal elementen:

code elementen:
gezien vanaf de zijde van het overdrukventiel

Code element - nr: 1 = **38**
Schakelschema **3**, Schuiftype **8**.

Code element - nr: 2 = **111**
Schakelschema **1** , Schuiftype **11**.

Code element - nr: 3 = **38**
Schakelschema **3**, Schuiftype **8**.

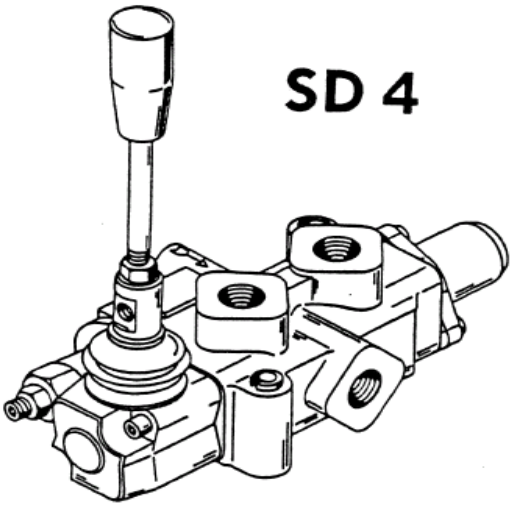
Drukdoorvoer

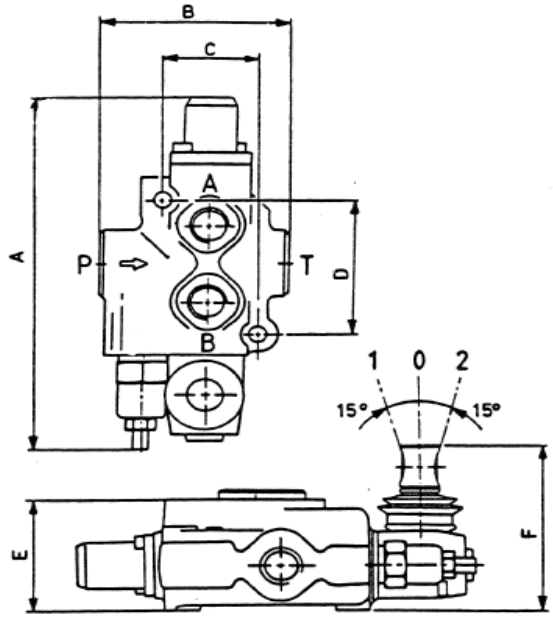
SD4

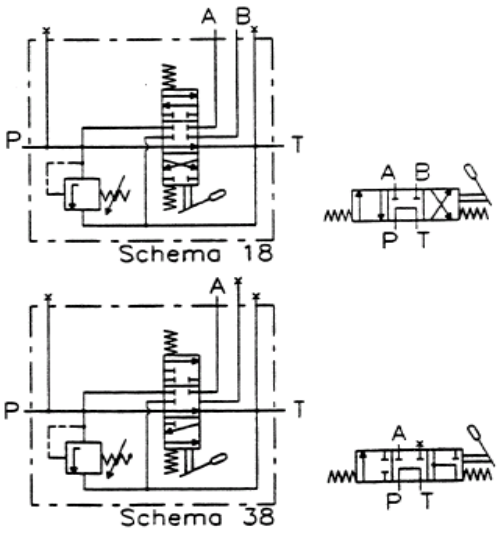
Stuurschuif

Monobloc uitvoering:

Voorzien van drukbegrenzingsventiel.
Leverbaar in 2 schakelschema's.
Diverse schuifbedieningen.
Kleine buitenafmetingen.
Exclusief handel.







Technische gegevens

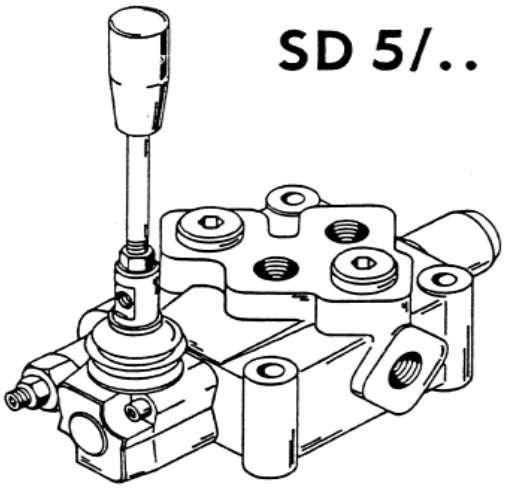
Aansluiting 3/8"Gas
Max. retourdruk: 180 bar
Standaard bereik drukbegrenzingsventiel: 50-220 bar
Afwijkende drukbereiken zijn ook leverbaar: 0-40, 20-80, 180-400 bar

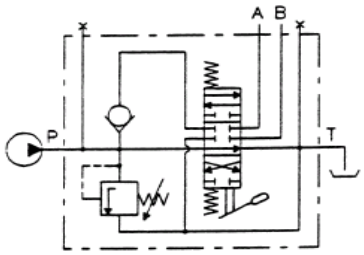
Type	Flow l/min.	Bar	A	B	C	D	E	F
SD4/1	45	250	182	93	46	70	55	86

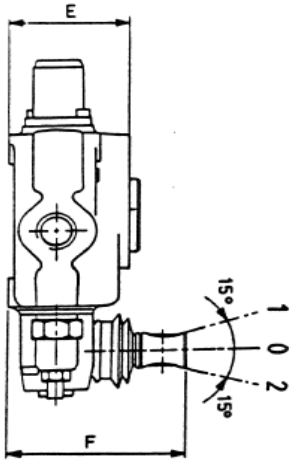
SD5
Stuurschuif

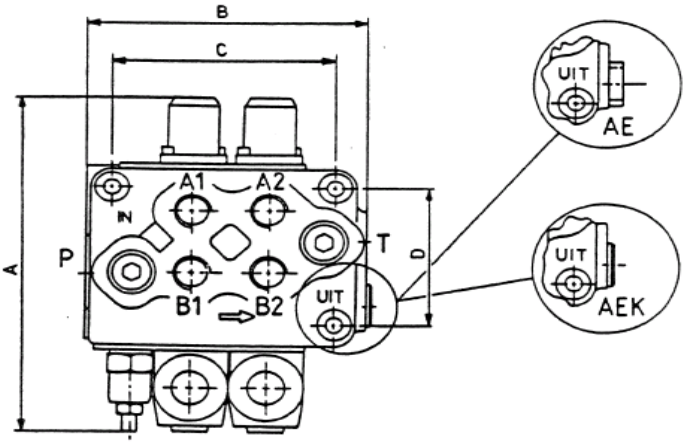
Monobloc uitvoering:

Voorzien van drukbegrenzingsventiel.
Diverse schuifbedieningen.
Terugslagklep aan invoerzijde
Kleine buitenafmetingen.
Exclusief handel.









Technische gegevens

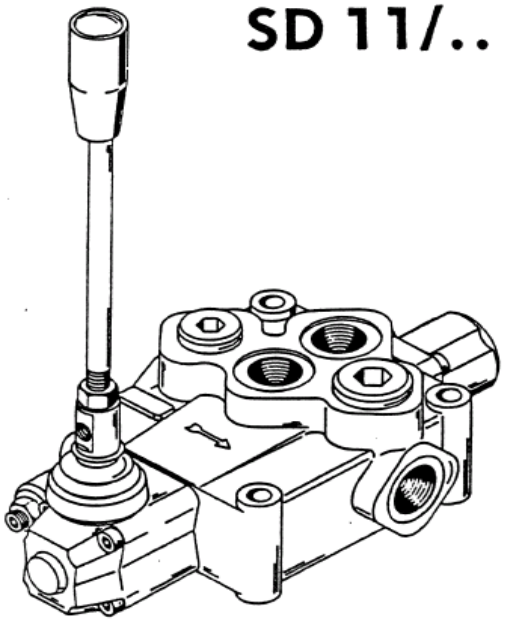
Aansluiting 3/8"Gas
Max. retourdruk: 180 bar
Standaard bereik drukbegrenzingsventiel: 50-220 bar
Afwijkende drukbereiken zijn ook leverbaar: 0-40, 20-80, 180-400 bar

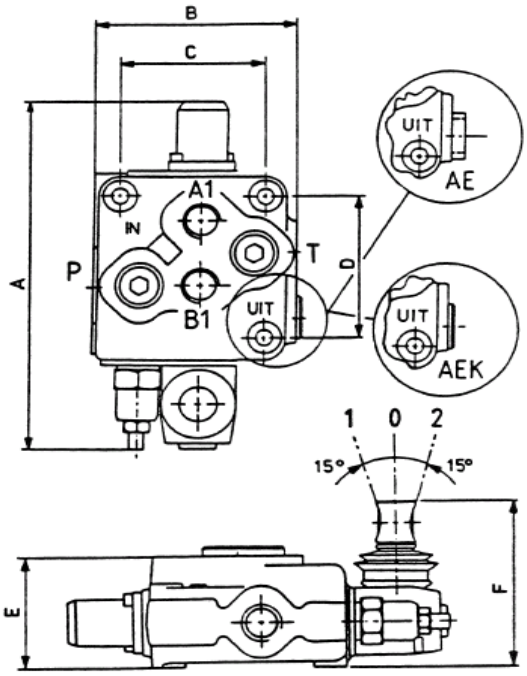
Type	Flow l/min.	Bar	A	B	C	D	E	F
SD5/1	45	400	185	101	73	81	64	90
SD5/2	45	400		138	110			
SD5/3	40	350		175	147			
SD5/4	40	350		212	184			
SD5/5	35	320		249	221			
SD5/6	35	300		286	258			

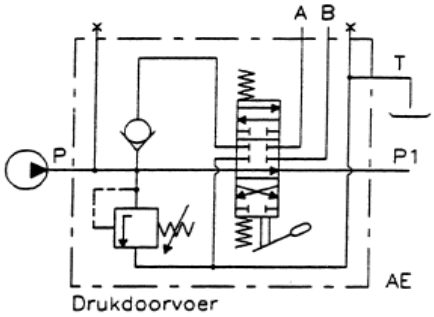
SD11
Stuurschuif

Monobloc uitvoering:

Voorzien van drukbegrenzingsventiel.
Terugslagklep aan invoerzijde.







Drukdoorvoer

Technische gegevens

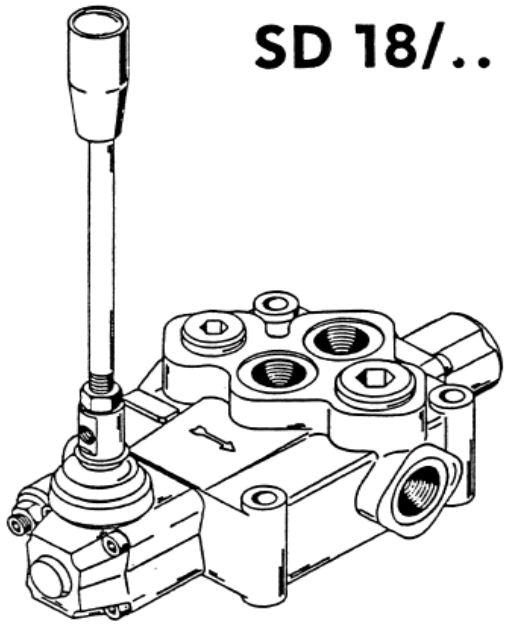
Aansluiting 1/2" Gas (poort P-A-B).
Retour aansluiting 3/4" Gas (poort T).
Max. retourdruk: 80 bar
Standaard bereik drukbegrenzingsventiel: 50-220 bar
Afwijkende drukbereiken zijn ook leverbaar: 0-40, 20-80, 180-400 bar

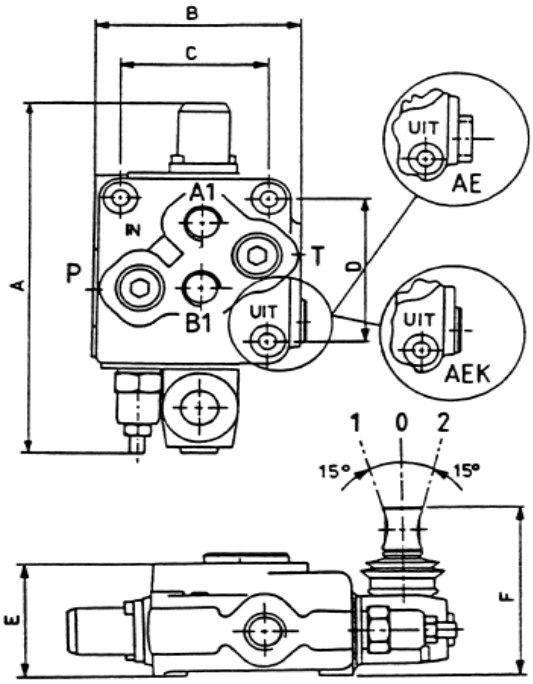
Type	Flow l/min.	Bar	A	B	C	D	E	F
SD11/1	65	350	244	129	100	103	72	103
SD11/2	65	320		174	145			
SD11/3	60	300		219	190			
SD11/4	55	250		264	235			
SD11/5	50	250		309	280			
SD11/6	50	250		354	325			

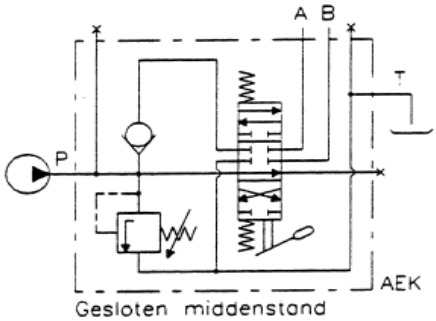
SD18
Stuurschuif

Monobloc uitvoering:

Voorzien van drukbegrenzingsventiel.
Terugslagklep aan invoerzijde.







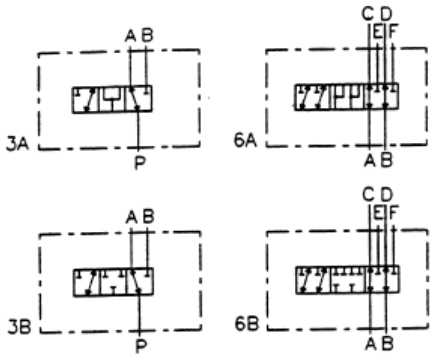
Technische gegevens

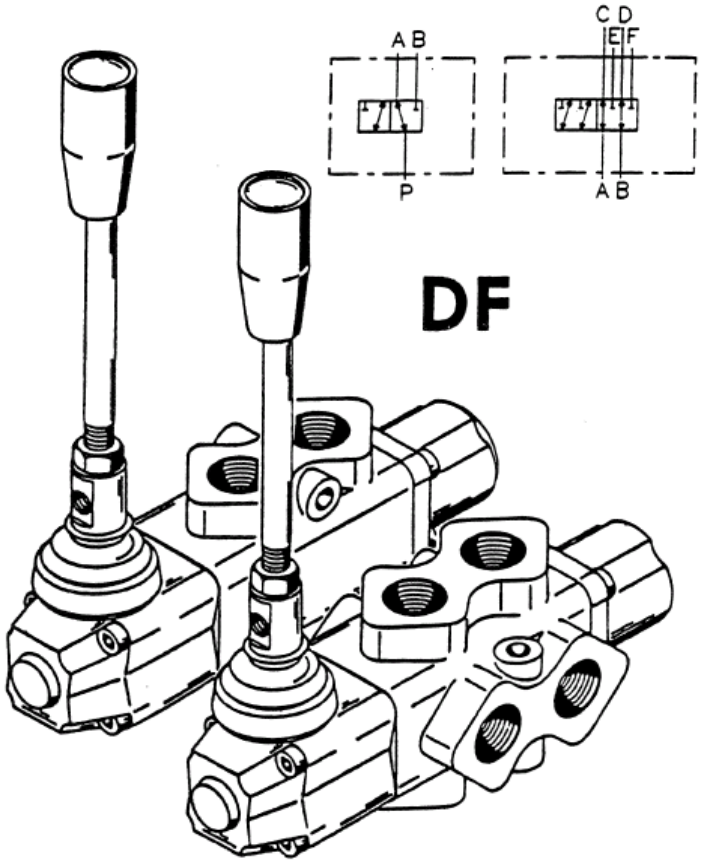
Aansluiting 3/4"Gas (poort P-A-B).
Retour aansluiting 1"Gas (poort T).
Max. retourdruk: 70 bar.
Standaard bereik drukbegrenzingsventiel: 50-220 bar
Afwijkende drukbereiken zijn ook leverbaar: 0-40, 20-80, 180-400 bar

Type	Flow l/min.	Bar	A	B	C	D	E	F
SD18/1	120	350	320	161	129	152	91	124
SD18/2	110	320		212	182			
SD18/3	105	300		265	235			
SD18/4	100	250		318	288			
SD18/5	95	250		371	341			
SD18/6	90	250		424	394			

DF

Stuurschuif





Technische gegevens:

Type	Flow l/min.	max. bar	Aansl.
DF5	60	350	3/8"G
DF10	90	350	1/2"G
DF20	140	350	3/4"G
DF25	220	350	1" G

3/2- Schuiven

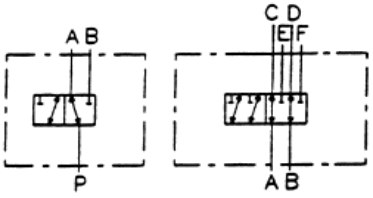
Type	Omschrijving
DF5/3A12L	arr. Pos. 1 en 2, exclusief handel
DF5/3B12L	arr. Pos. 1 en 2, exclusief handel
DF5/3A18L	veerret. Pos. 2, exclusief handel
DF10/3A12L	arr. Pos. 1 en 2, exclusief handel
DF10/3B12L	arr. Pos. 1 en 2, exclusief handel
DF20/3A12L	arr. Pos. 1 en 2, exclusief handel
DF20/3B12L	arr. Pos. 1 en 2, exclusief handel
DF25/3A12L	arr. Pos. 1 en 2, exclusief handel
DF25/3B12L	arr. Pos. 1 en 2, exclusief handel

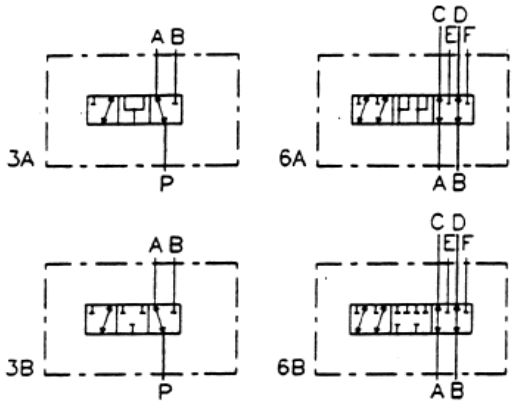
6/2- Schuiven

Type	Omschrijving
DF5/6A12L	arr. Pos. 1 en 2, exclusief hand
DF5/6B12L	arr. Pos. 1 en 2, exclusief hand
DF10/6A12L	arr. Pos. 1 en 2, exclusief hand
DF10/6B12L	arr. Pos. 1 en 2, exclusief hand
DF20/6A12L	arr. Pos. 1 en 2, exclusief hand
DF20/6AB12L	arr. Pos. 1 en 2, exclusief hand

DFE

Stuurschuif





Technische gegevens

Type	Flow l/min.	max.	Aansl.
DFE 5ES	30	160	3/8" Gas
DFE10ES	60	160	1/2" Gas
DFE20ES	100	160	3/4" Gas

3/2- schuiven

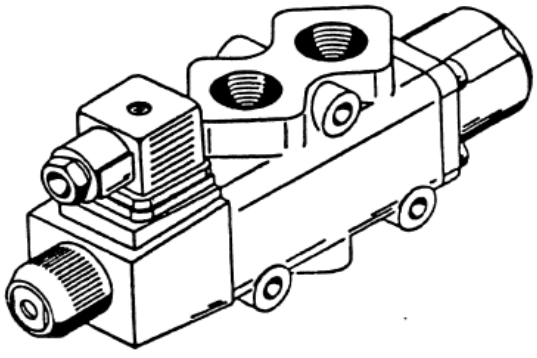
Type*	Omschrijving
DFE 5/3A18ES	open / schakelen
DFE 5/3B18ES	gesloten / schakelen
DFE10/3A18ES	open / schakelen
DFE10/3B18ES	gesloten / schakelen
DFE20/3A18ES	open / schakelen
DFE20/3B18ES	gesloten / schakelen

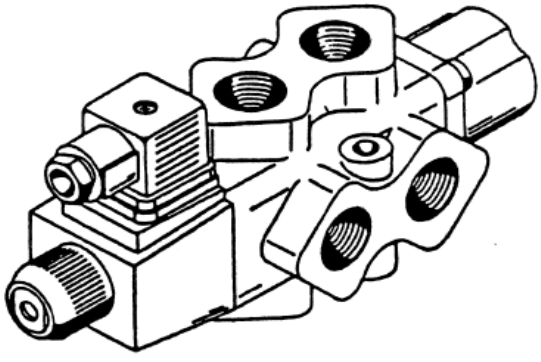
6/2- schuiven

Type*	Omschrijving
DFE 5/6B18ES	gesloten / schakelen
DFE10/6B18ES	gesloten / schakelen

* Bij bestelling gewenste spoelspanning opgeven.
12 VDC
24 VDC

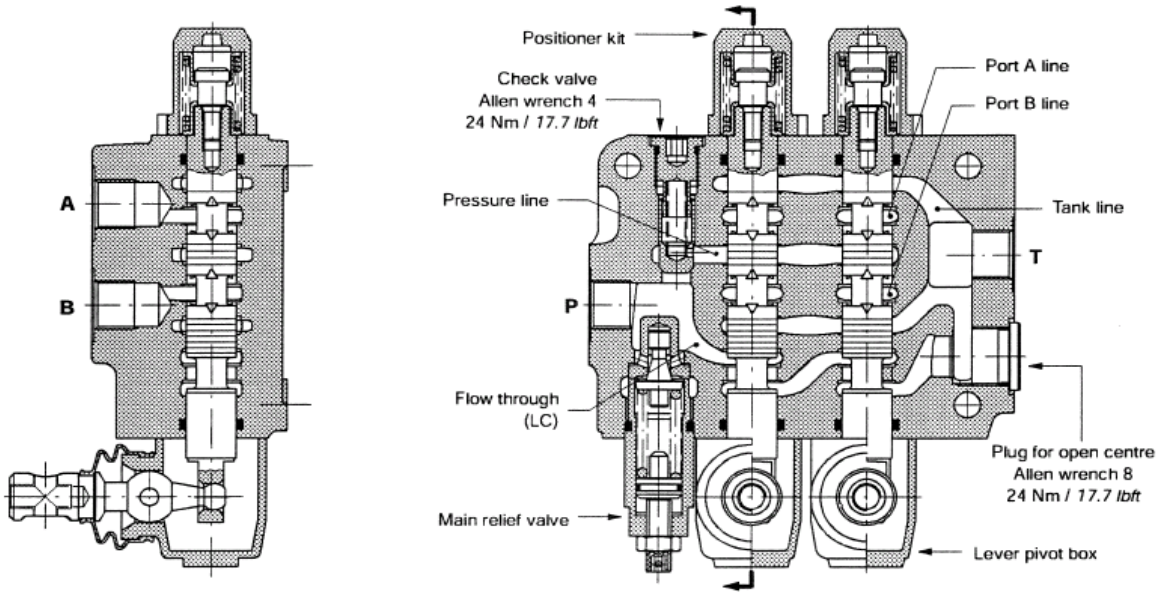
DFE



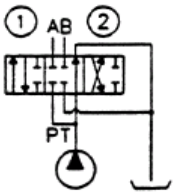


Schakelschema

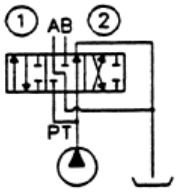
Schakelschema's



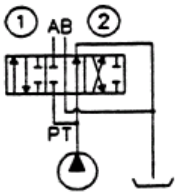
1 Dubbelwerkend
In ruststand A - B gesloten.
3 standen



1A Dubbelwerkend
In ruststand A verbonden met tank.
3 standen



1B Dubbelwerkend
In ruststand B verbonden met tank.
3 standen



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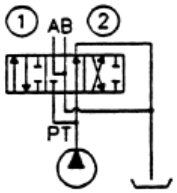
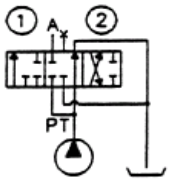
2 Dubbelwerkend
In ruststand A - B verbonden met tank.
3 standen



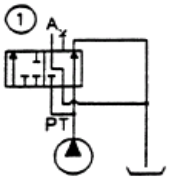
Schakelschema

Schakelschema's

3 Enkelwerkend op poort A.
In de ruststand A gesloten.
3 standen



3A Enkelwerkend op poort A.
In ruststand A verbonden met tank.
2 standen



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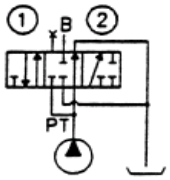
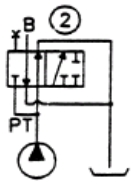
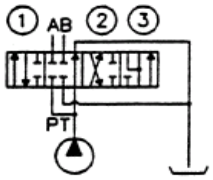
4 Enkelwerkend op poort B.
In ruststand B verbonden met tank.
3 standen



4B Enkelwerkend op poort B.
In ruststand B verbonden met tank.
2 standen



5* Dubbelwerkend
In stand 3: A - B verbondenmet tank*(behalve
SD 10 in stand 3: A -B - P - T verbonden).
4 standen



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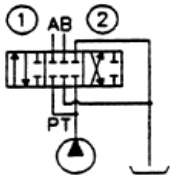
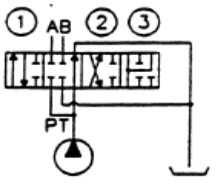
6 Dubbelwerkend
In ruststand alle poorten gesloten (AEK).
3 standen



8* Dubbelwerkend
In ruststand A - B gesloten.
In stand 3: ijlgangschakeling A - B - P verbonden.
4 standen



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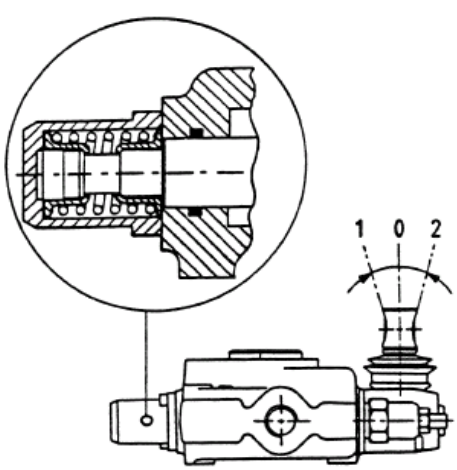
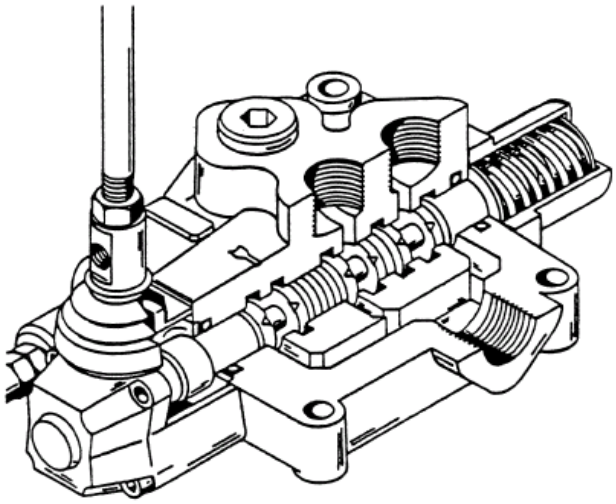
* Niet om te bouwen d.m.v. plunjer hiervoor is een speciaal huis nodig.

Schuifbediening (A-POORTZIJDE).

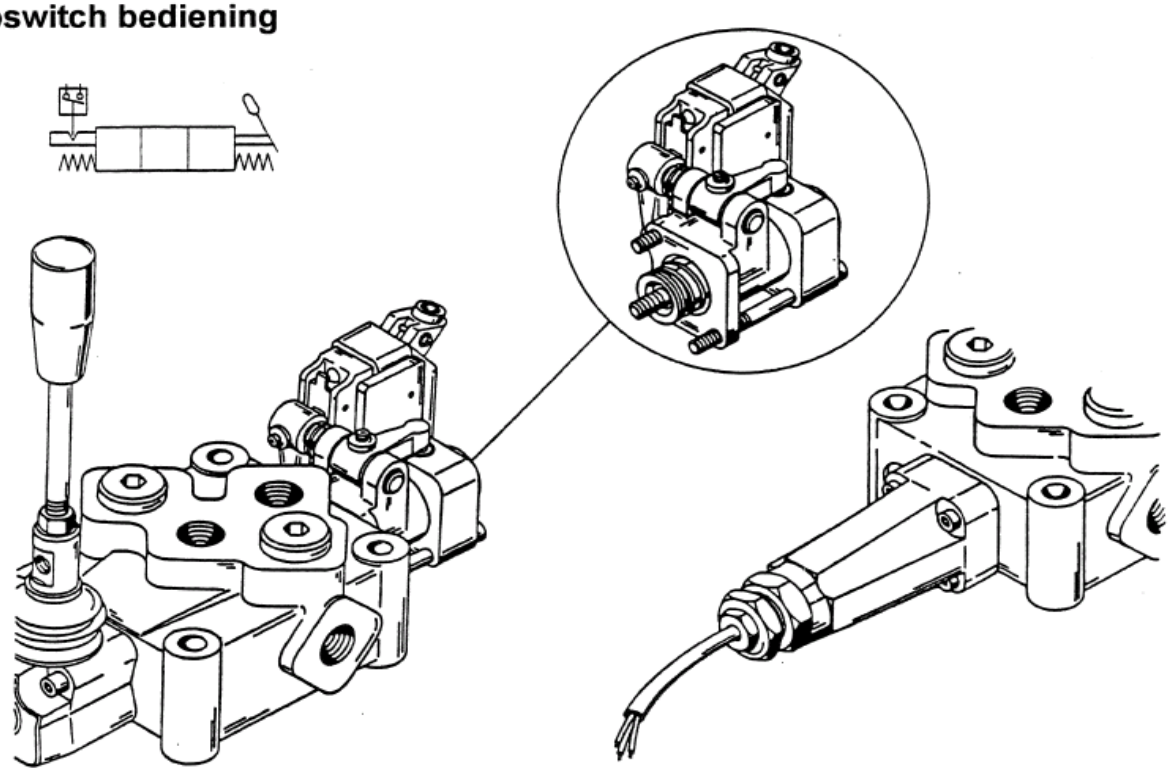




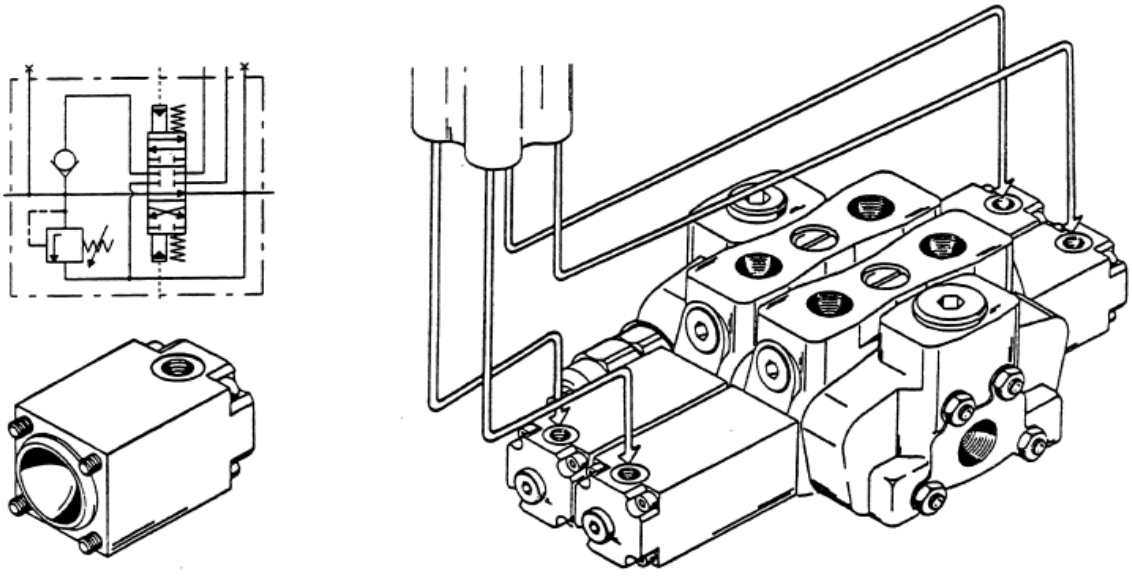
Type	Omschrijving	Schema
8	Veerretour in positie 0	1 0 2
9	Arretering in positie 1	1 0 2
10	Arretering in positie 2	1 0 2
11	Arretering in 3 posities	1 0 2
12	Arretering in positie 1 en 2	1 0 2
13	Arretering in positie 3	1 0 2 3
14	Arretering in 4 postities	1 0 2 3
15	Arretering in positie 1 en 0	1 0
16	Arretering in positie 2 en 0	0 2
17	Veerretour in positie 1	1 0 2
18	Veerretour in positie 2	1 0 2

De stuurschuiven kunnen worden voorzien van diverse schuifbedieningen en opbouw functies waarvan hier een beperkt aantal genoemd.

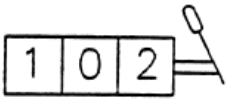
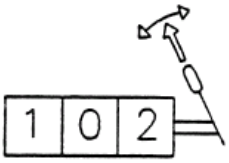
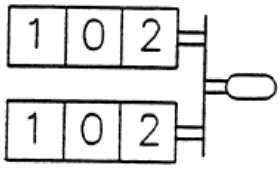
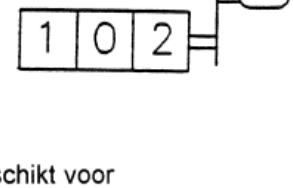
Microswitch bediening

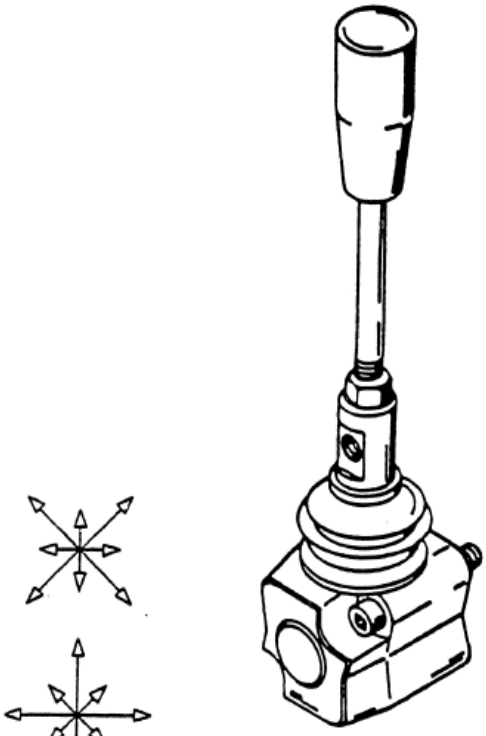


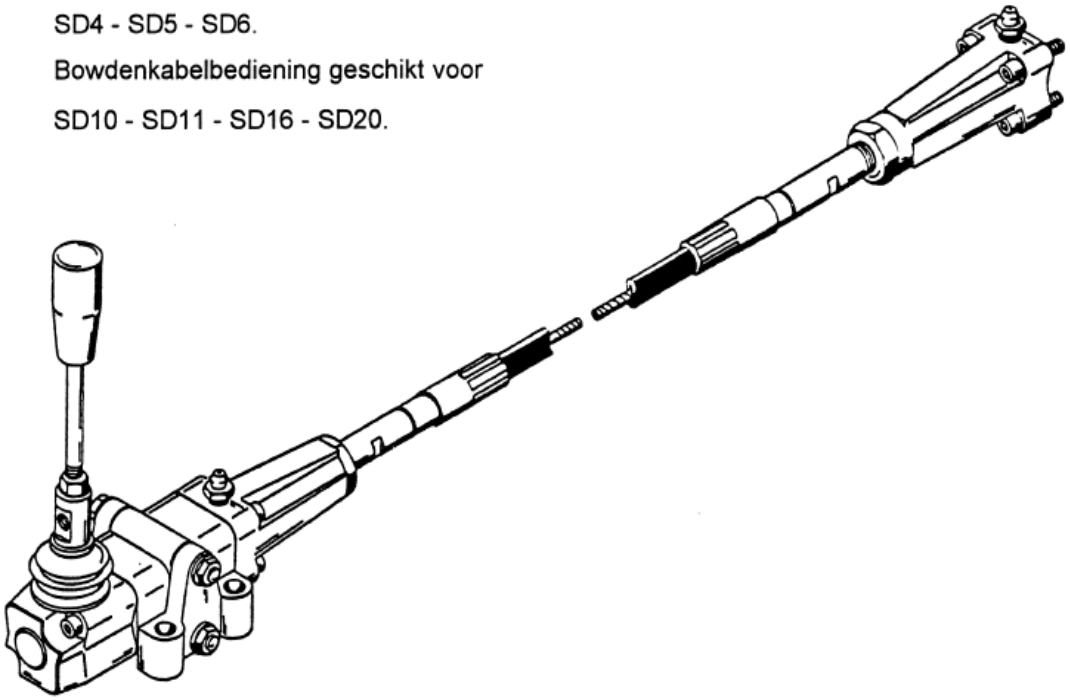
Pneumatisch- of hydraulisch bekrachtigd.



Schuifbedieningen (B-poortzijde).

Type	Omschrijving	Schema
L	Standaard handelkap.	
LE	Handelkap met arretering.	
SL	Kap t.b.v. stang met vork.	
TC	Bowden-kabelbediening.	
LC	Joystick Kruisbediening (x as).	
LCB	Joystick Kruisbediening (+ as).	
TC 5	Bowdenkabelbediening geschikt voor SD4 - SD5 - SD6.	
TC10	Bowdenkabelbediening geschikt voor SD10 - SD11 - SD16 - SD20.	

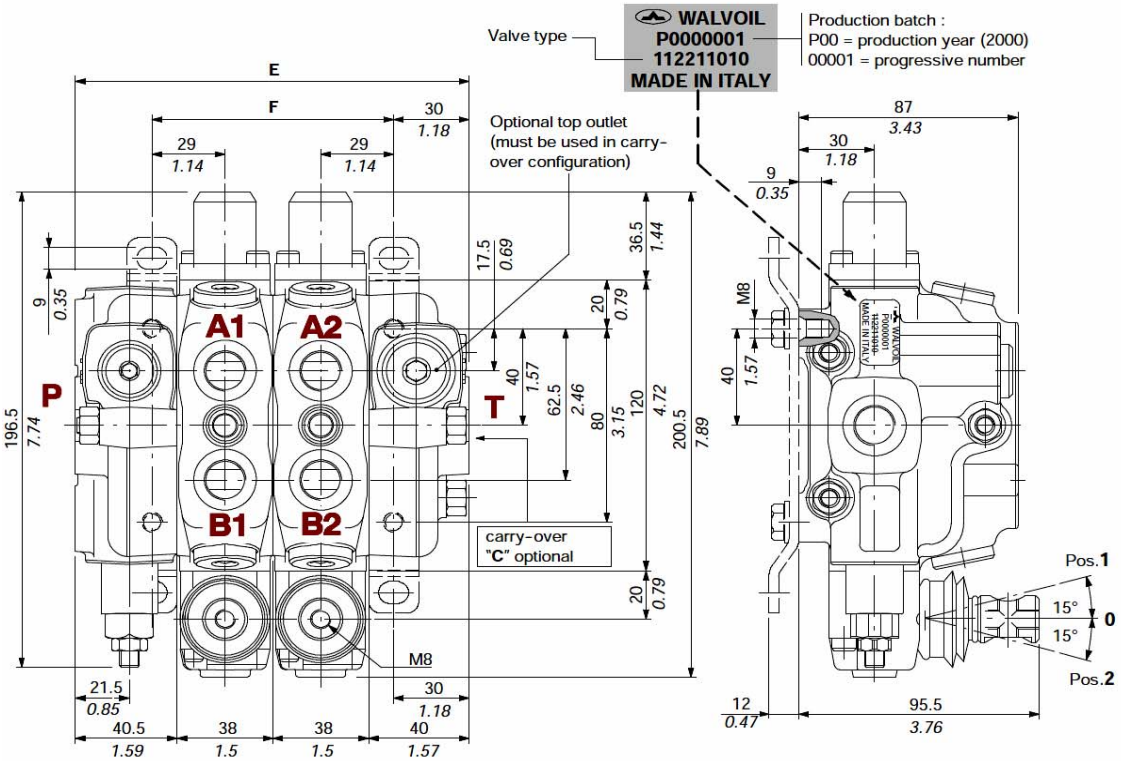




SD6

Stuurschuif (sectieblok),

- **mogelijkheid uit te breiden tot 12 secties**
- **nominale flow 45 l/min**
- **maximale werkdruk parallel 315 bar, serie 210 bar**
- **maximale druk op retour 25 bar**
- **maximale temperatuur bij NBR -20 tot 100 ºC**



TYPE	E		F		Weight	
	mm	*in*	mm	*in*	kg	*lb*
SD6/1	118.5	*4.66*	58	*2.28*	5.3	*11.7*
SD6/2	156.5	*6.16*	96	*3.78*	7.6	*16.6*
SD6/3	194.5	*7.66*	134	*5.28*	9.9	*21.8*
SD6/4	232.5	*9.15*	172	*6.77*	12.2	*26.9*
SD6/5	270.5	*10.65*	210	*8.27*	14.8	*32.6*
SD6/6	308.5	*12.15*	248	*9.76*	17.1	*37.7*

TYPE	E		F		Weight	
	mm	*in*	mm	*in*	kg	*lb*
SD6/7	346.5	*13.65*	286	*11.26*	19.4	*42.8*
SD6/8	384.5	*15.15*	324	*12.76*	21.7	*47.9*
SD6/9	422.5	*16.65*	362	*14.26*	24	*53*
SD6/10	460.5	*18.15*	400	*15.76*	26.3	*58.1*
SD6/11	498.5	*19.65*	438	*17.26*	28.6	*63.2*
SD6/12	536.5	*21.15*	476	*18.76*	30.9	*68.3*

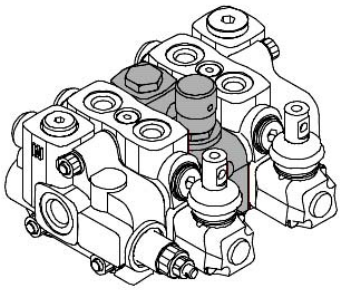
Standard threads

PORT	BSP (ISO 228/1)	UN-UNF (ISO 11926-1)	METRIC (ISO 262)
Inlet **P**	G 3/8	3/4-16 UNF-2B (SAE 8)	M18x1.5
A and **B** ports	G 3/8	9/16-18 UNF-2B (SAE 6)	M18x1.5
Outlet **T** and carry-over **C**	G 1/2	3/4-16 UNF-2B (SAE 8)	M22x1.5
PILOT PORTS			
Hydraulic	G 1/4	9/16-18 UNF-2B (SAE 6)	G 1/4
Pneumatic	NPTF 1/8-27	NPTF 1/8-27	NPTF 1/8-27

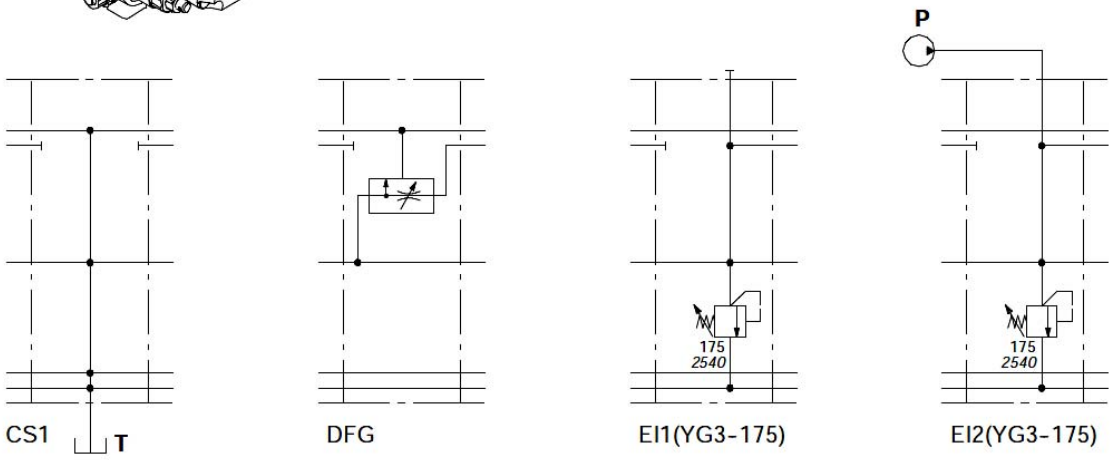
SD6

Stuurschuif (sectieblok),

Mogelijke werksecties



TYPE	CODE	DESCRIPTION
CS1	612400010	Mid return manifold section
DFG	612410030	Pressure compensated flow regulator section
EI1(YG3)	612421130	Secondary direct pressure relief valve
EI2(YG3)	612421135	Mid inlet with secondary direct pressure relief valve



Mogelijke poortveiligheden

Anti-shock valve

P(G2-63)	5KIT206112	From 40 to 80 bar / *from 580 to 1150 psi* standard setting 63 bar / *900 psi*
P(G3-100)	5KIT206113	From 63 to 200 bar / *from 900 to 2900 psi* standard setting 100 bar / *1450 psi*
P(G4-200)	5KIT206114	From 160 to 315 bar / *from 2300 to 4600 psi* standard setting 200 bar / *2900 psi*

Anti-shock and anti-cavitation valve

U(G2-63)	5KIT306112	From 63 to 125 bar / *from 900 to 1800 psi* standard setting 63 bar / *900 psi*
U(G3-100)	5KIT306113	From 100 to 250 bar / *from 1450 to 3600 psi* standard setting 100 bar / *1450 psi*
U(G4-200)	5KIT306114	From 200 to 315 bar / *from 2900 to 4600 psi* standard setting 200 bar / *2900 psi*

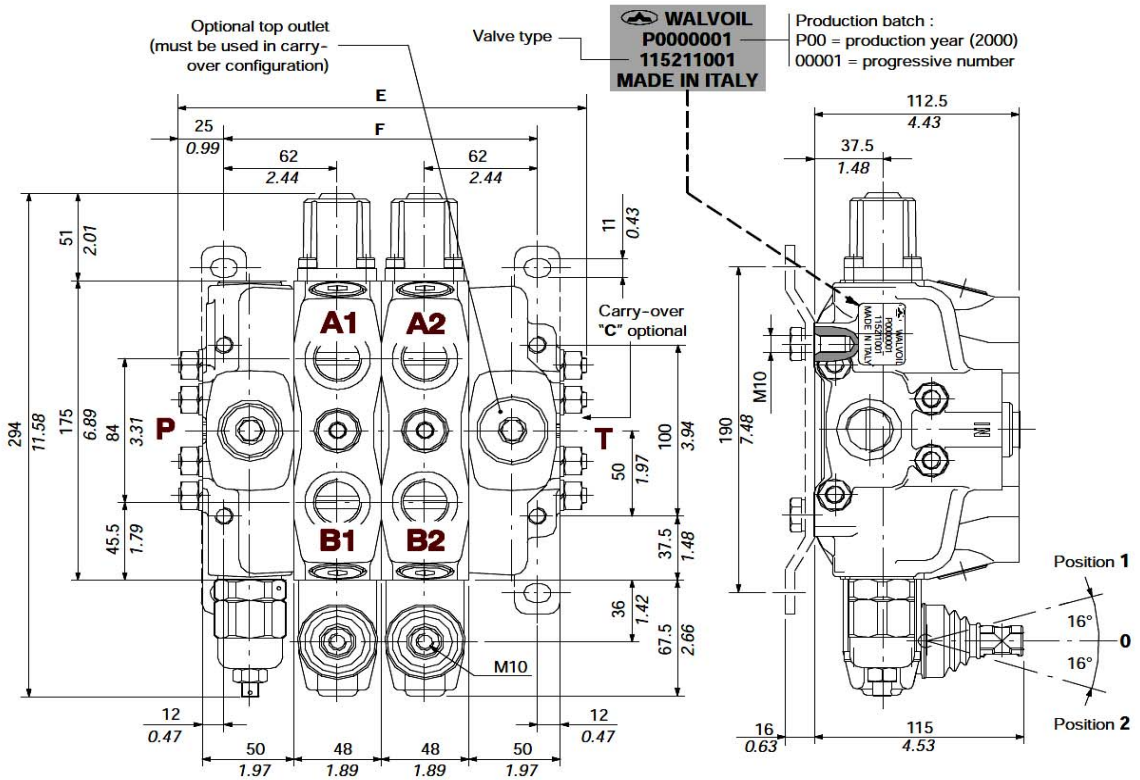
Standard setting is referred to 10 l/min flow.

C	5KIT406100	Anti-cavitation
P3T	XTAP524280	A and B ports valve blanking plugs

SD16

Stuurschuif (sectieblok),

- **mogelijkheid uit te breiden tot 12 secties**
- **nominale flow 140 l/min**
- **maximale werkdruk parallel 315 bar, serie 210 bar**
- **maximale druk op retour 25 bar**
- **maximale temperatuur bij NBR -20 tot 100 °C**



TYPE	E		F		Weight	
	mm	*in*	mm	*in*	kg	*lb*
SD16/1	176	*6.63*	124	*4.88*	13	*28.7*
SD16/2	224	*8.82*	172	*6.77*	19	*41.9*
SD16/3	272	*10.71*	220	*8.66*	24.9	*54.9*
SD16/4	320	*12.60*	268	*10.55*	30.9	*68.1*
SD16/5	368	*14.49*	316	*12.44*	36.8	*81.1*
SD16/6	416	*16.38*	364	*14.33*	42.8	*94.4*

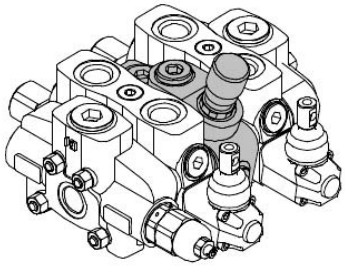
TYPE	E		F		Weight	
	mm	*in*	mm	*in*	kg	*lb*
SD16/7	464	*18.27*	412	*16.22*	48.7	*107.7*
SD16/8	512	*20.16*	460	*18.11*	54.6	*121*
SD16/9	560	*22.05*	508	*20*	60.5	*134.3*
SD16/10	608	*23.94*	556	*21.89*	66.4	*147.6*
SD16/11	656	*25.83*	604	*23.78*	72.3	*160.9*
SD16/12	704	*27.72*	652	*25.67*	78.2	*174.2*

Standard threads

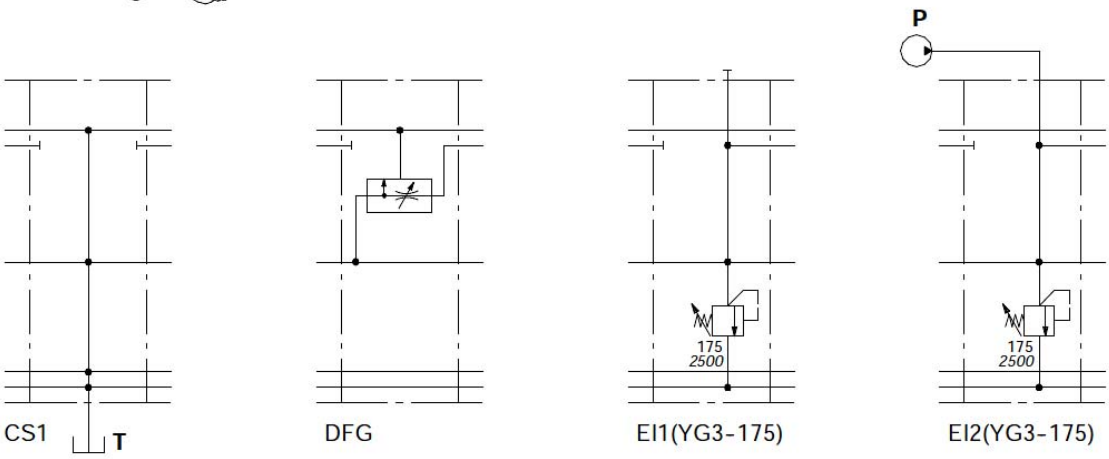
PORTS	BSP (ISO 228/1)	UN-UNF (ISO 11926-1)
Inlet **P**	G 3/4	1 5/16-12 UN-2B (SAE 16)
A and **B** ports	G 3/4	1 1/16-12 UN-2B (SAE 12)
Outlet **T** and carry-over **C**	G 1	1 5/16-12 UN-2B (SAE 16)
PILOT PORTS		
Hydraulic	G 1/4	9/16-18 UNF-2B (SAE 6)
Pneumatic	NPTF 1/8-27	NPTF 1/8-27

SD16
Stuurschuif (sectieblok),

Mogelijke werksecties



TYPE	CODE	DESCRIPTION
CS1	615401010	Mid return manifold section
DFG	615411020	Pressure compensated flow divider section
EI1(YG3)	615421010	Secondary direct operated pressure relief valve
EI2(YG3)	615421015	Mid inlet with secondary direct operated pressure relief valve



Mogelijke poortveiligheden

Anti-shock valve

P(G2-63)	XCAR216115	Range 63 to 125 bar / *from 900 to 1800 psi* standard setting 63 bar / *900 psi*
P(G3-100)	XCAR216116	Range 100 to 250 bar / *from 1450 to 3600 psi* standard setting 100 bar / *1450 psi*
P(G4-200)	XCAR216117	Range 200 to 315 bar / *from 2900 to 4600 psi* standard setting 200 bar / *290 psi*

Anti-shock and anti-cavitation valve

U(G2-63)	XCAR316112	Range 63 to 125 bar / *from 900 to 1800 psi* standard setting 63 bar / *900 psi*
U(G3-100)	XCAR316113	Range 100 to 250 bar / *from 1450 to 3600 psi* standard setting 100 bar / *1450 psi*
U(G4-200)	XCAR316114	Range 200 to 315 bar / *from 2900 to 4600 psi* standard setting 200 bar / *2900 psi*

Standard setting is referred to 10 l/min flow.

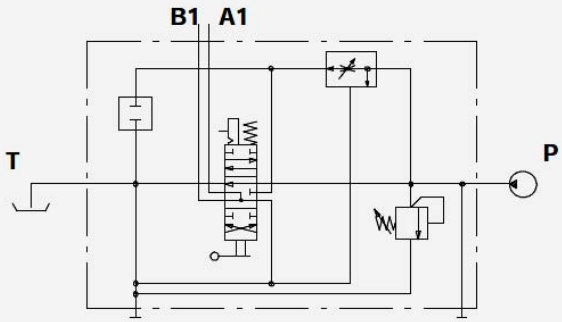
C	3XCAR416100	Anti-cavitation
P3T	3XTAP528360	A and B ports valve blanking plugs

SDM105

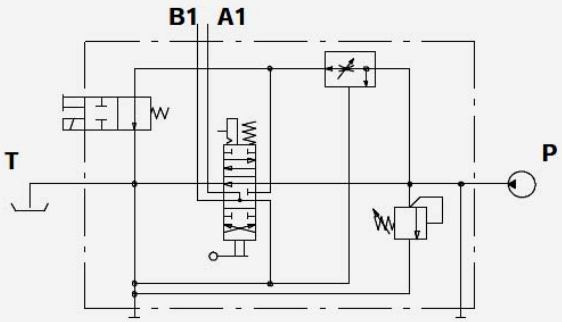
Stuurschuif met 3weg stroomregelklep
Mogelijk tot 6 secties

Nominal flow rating	*45 l/min*
Max. regulated flow	*40 l/min*
Operating pressure	*315 bar (4600 psi)*
Max backpressure on outlet port T	*25 bar (360 psi)*
Internal leakage (A/B→T, with 100 bar / 1450 psi)	*3 cm^3/min (0.2 in^3/min)*
Hydraulic fluid	*mineral base oil*
Viscosity	*-12 to 400 mm^2/s (cSt)*
Max level of fluid contamination	*19/16-ISO4406*
Fluid temperature	from -20° to 80° C
Ambient temperature	*from -30° to 60° C*

Hydraulisch schema



Senza valvola di messa a scarico
Less exhaust valve



Con valvola di messa a scarico
With exhaust valve

SDM105

Stuurschuif met 3weg stroomregelklep
Mogelijk tot 6 secties

Bestelgegevens

SDM105/1(JG3-175) M / 2 10 L / EL-12VDC

numero di sezioni . . . . . **1** .. **6**
sections number

tensione bobina (12 - 24 Vdc)
coil voltage (12 - 24 Vdc)

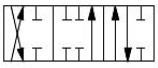
valvola di sovrapressione diretta tarata a 175 bar **JG3-175**
main relief direct operated valve set to 2540 psi
senza valvola di sovrapressione . . . . . **SV**
less main relief valve

LT . . . . . senza valvola di messa a scarico
less exhaust valve
EL . . . . con valvola di messa a scarico
with exhaust valve

L . . . . . con leva
with lever
SLP . . . senza leva con piastrina
less lever with dust cover

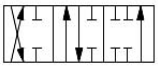
volantino per regolazione manuale della portata
manual flow regulator with graduated handwheel

AB



cursore doppio effetto, A e B a chiusi al centro **1**
double acting spool, A and B closed in neutral

cursore doppio effetto, A e B a scarico al centro **2**
double acting spool, A and B open to tank in neutral



cursore doppio effetto, A a scarico e B in pressione al centro **9T**
double acting spool, A open to pressure and B open to tank in neutral

P T LC

8 . . . . ritorno a molla in centro
spring centered to neutral

10 . . . ritenuta in posizione 2, con ritorno a molla in centro
detent in position 2, spring centered to neutral

11 . . . ritenuta nelle 3 posizioni
detent in 3 positions

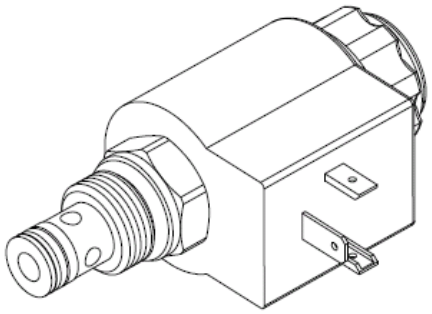
BOCCA - *PORTS*	BSP (ISO 228/1)	METRICA - *METRIC* (ISO 6149)	UN-UNF (ISO 11926-1)
P	G 3/8	M18x1,5	3/4-16 UNF-2B (SAE 8)
A - B			9/16-18 UNF-2B (SAE 6)
T			3/4-16 UNF-2B (SAE 8)

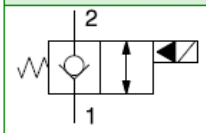
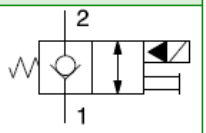
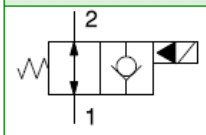
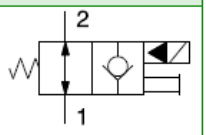
SV

Ook leverbaar

Meer informatie op aanvraag mogelijk

EV40
Cartridge 2/2 klep



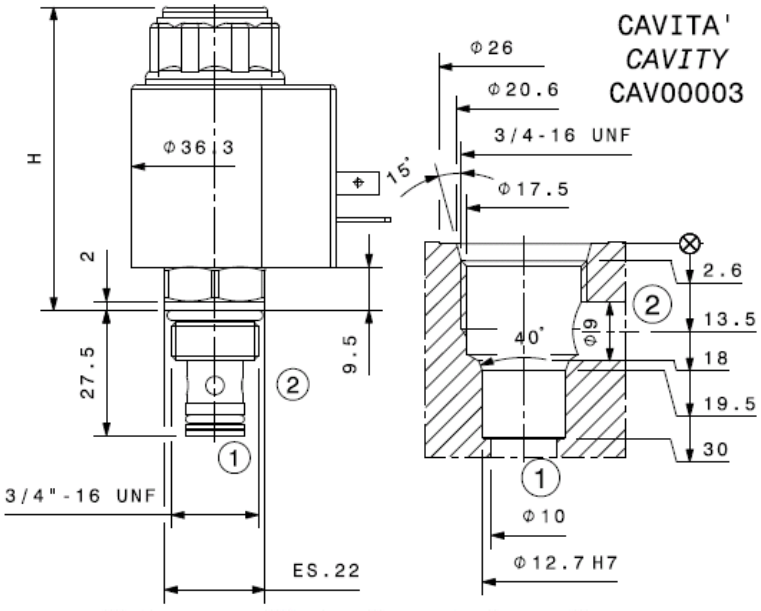
EV40-C-A	EV40-CM-C-A
	
EV40-C-B	**EV40-CM-C-B**
	

Portata massima *Max flow*	40 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	27 ÷ 30 Nm

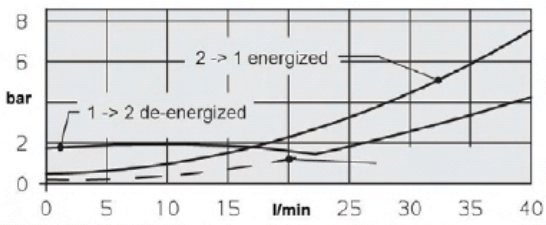
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Modello *Type*	H	Emergenza *Override*
EV40-C-A	**57.5**	/
EV40-CM-C-A	**71**	a vite / *screw*
EV40-C-B	**70.5**	/
EV40-CM-C-B	**71.5**	a spingere / *push*

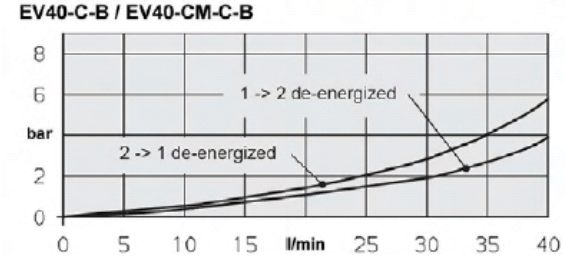
Tensione ***Voltage***	**12 V CC-DC** **24 V CC-DC** **110 V CC-DC** **110V/50Hz CA-AC** **230V/50Hz CA-AC** **24V/50Hz CA-AC**
Connettore *Connector*	DIN 43650



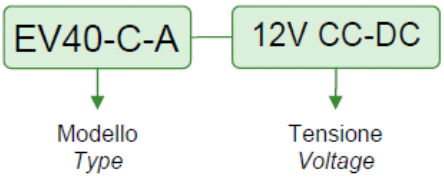
EV40-C-A / EV40-CM-C-A



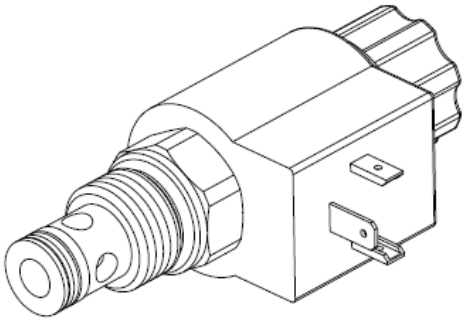
EV40-C-B / EV40-CM-C-B

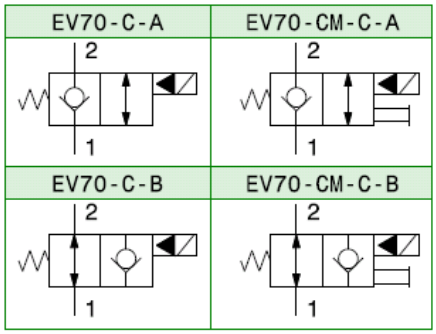


Sigla di ordinazione / Ordering code



EV70
Cartridge 2/2 klep



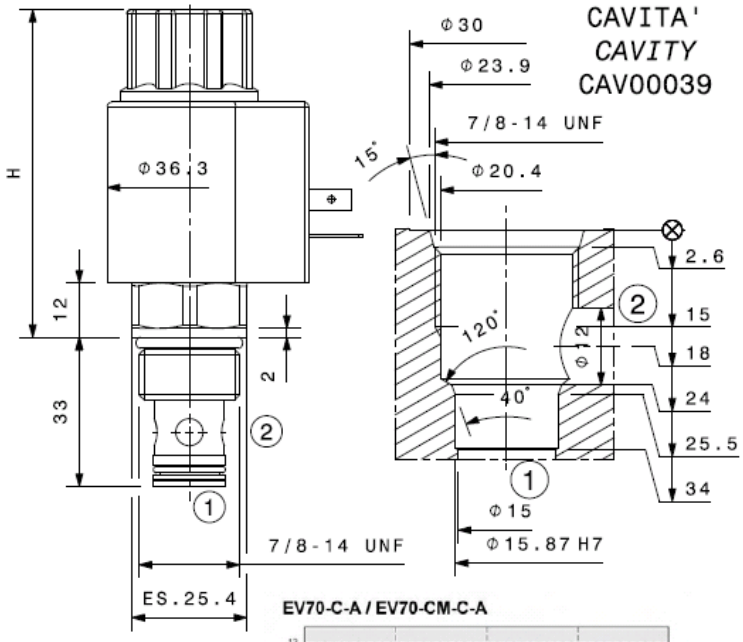


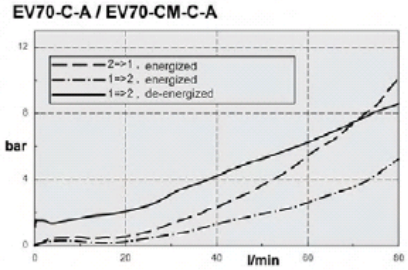
Portata massima *Max flow*	70 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	45 ÷ 50 Nm

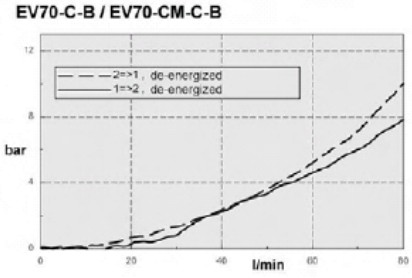
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Modello *Type*	H	Emergenza *Override*
EV70-C-A	**60**	/
EV70-CM-C-A	**74**	a vite / *screw*
EV70-C-B	**73**	/
EV70-CM-C-B	**74**	a spingere / *push*

Tensione ***Voltage***	**12 V CC-DC** **24 V CC-DC** **110 V CC-DC** **110V/50Hz CA-AC** **230V/50Hz CA-AC** **24V/50Hz CA-AC**
Connettore *Connector*	DIN 43650







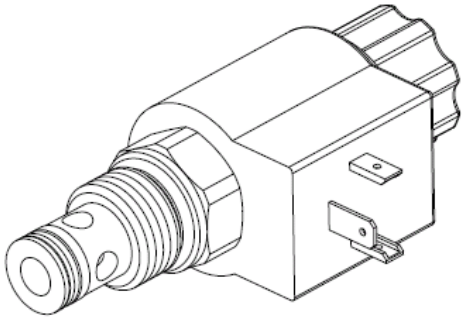
Sigla di ordinazione / Ordering code

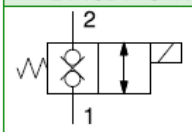
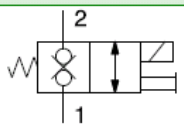
EV70-C-A — 12V CC-DC

Modello *Type* — Tensione *Voltage*

EV40DT

Cartridge 2/2 klep volledig gesloten



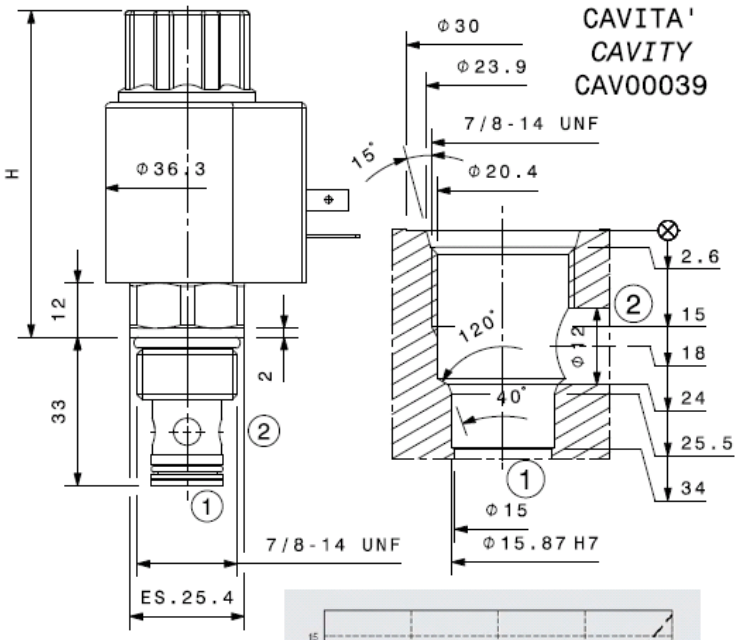
EV40DT-C-A	EV40DT-CM-C-A
	

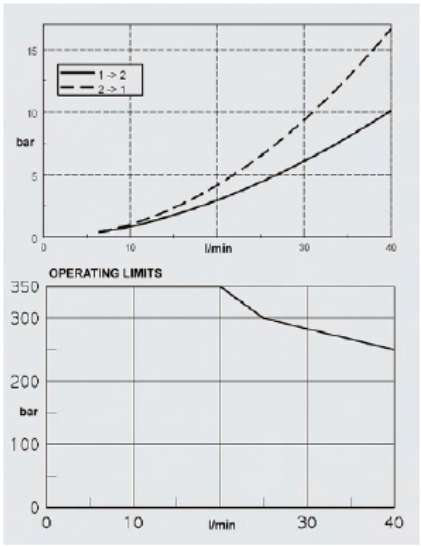
Portata massima *Max flow*	40 l/min
Pressione massima *Max pressure*	350 bar
Coppia di serraggio *Installation torque*	45 ÷ 50 Nm

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

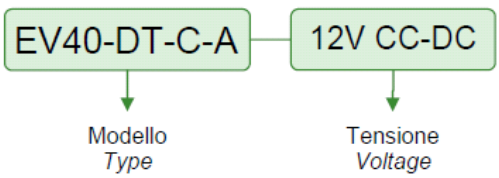
Modello *Type*	H	Emergenza *Override*
EV40DT-C-A	**80**	*/*
EV40DT-CM-C-A	**85**	a spingere / *push*

Tensione ***Voltage***	**12 V CC-DC** **24 V CC-DC** **110 V CC-DC** **110V/50Hz CA-AC** **230V/50Hz CA-AC** **24V/50Hz CA-AC**
Connettore *Connector*	DIN 43650



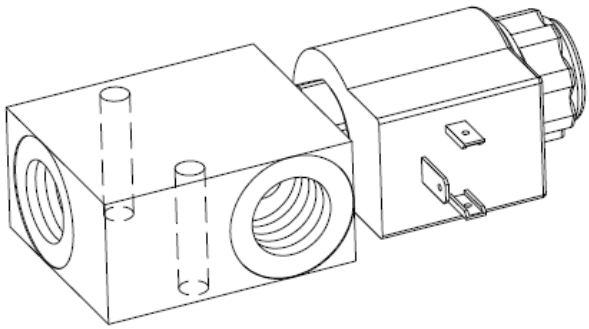


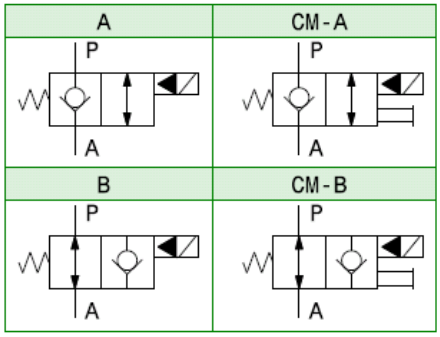
Sigla di ordinazione / Ordering code



EV40

2/2 klep normaly open of gesloten, ook leverbaar in staal



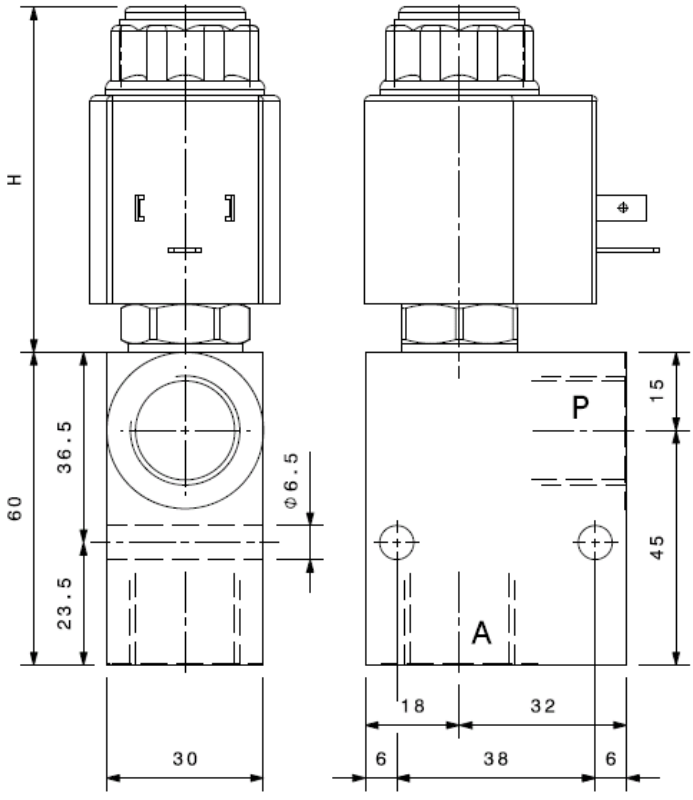


Portata massima *Max flow*	40 l/min
Pressione massima *Max pressure*	350 bar

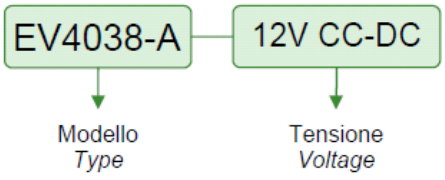
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filitration*	25 µ

Modello *Type*	P,A	H	Emergenza *Override*
EV4038-A	3/8"GAS	**57**	/
EV4038-CM-A	3/8"GAS	**71**	a vite / *screw*
EV4038-B	3/8"GAS	**70**	/
EV4038-CM-B	3/8"GAS	**71**	a spingere *push*
EV4012-A	1/2"GAS	**57**	/
EV4012-CM-A	1/2"GAS	**71**	a vite / *screw*
EV4012-B	1/2"GAS	**70**	/
EV4012-CM-B	1/2"GAS	**71**	a spingere *push*

Tensione ***Voltage***	**12 V CC-DC** **24 V CC-DC** **110 V CC-DC** **110V/50Hz CA-AC** **230V/50Hz CA-AC** **24V/50Hz CA-AC**
Connettore *Connector*	DIN 43650

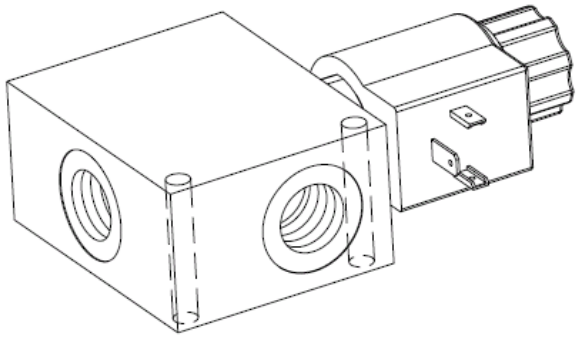


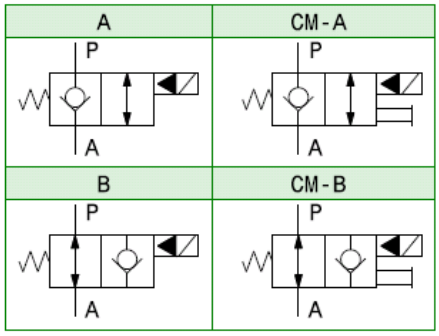
Sigla di ordinazione / Ordering code



EV70

2/2 klep normaly open of gesloten, ook leverbaar in staal



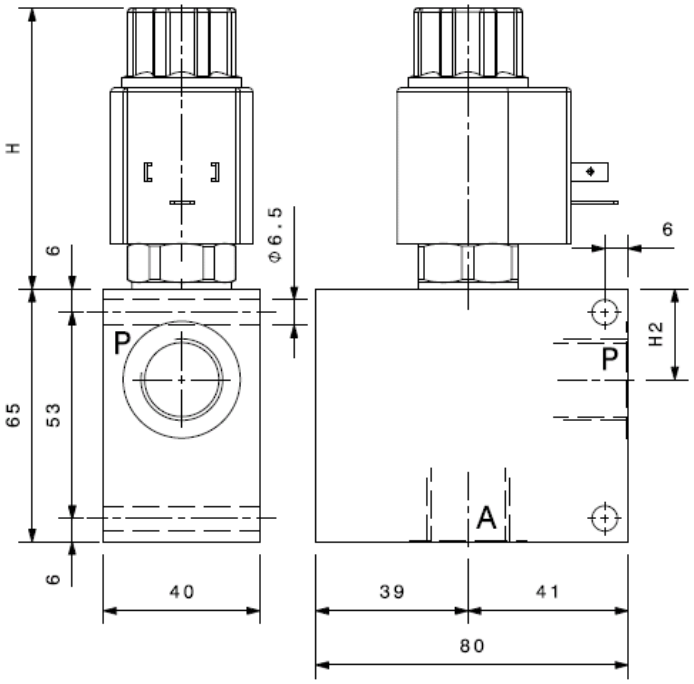


Portata massima *Max flow*	70 l/min
Pressione massima *Max pressure*	350 bar

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C *Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*	
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C
Filtrazione assoluta *Absolute filtration*	25 µ

Modello *Type*	P,A	H	Emergenza *Override*
EV7012-A	1/2"GAS	**60**	/
EV7012-CM-A	1/2"GAS	**74**	a vite / *screw*
EV7012-B	1/2"GAS	**73**	/
EV7012-CM-B	1/2"GAS	**74**	a spingere *push*
EV7034-A	3/4"GAS	**60**	/
EV7034-CM-A	3/4"GAS	**74**	a vite / *screw*
EV7034-B	3/4"GAS	**73**	/
EV7034-CM-B	3/4"GAS	**74**	a spingere *push*

Tensione ***Voltage***	**12 V CC-DC** **24 V CC-DC** **110 V CC-DC** **110V/50Hz CA-AC** **230V/50Hz CA-AC** **24V/50Hz CA-AC**
Connettore *Connector*	DIN 43650



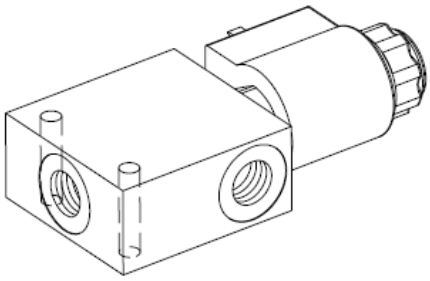
Dimensioni *Dimensions*	H2
EV7012	23,5
EV7034	25

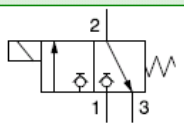
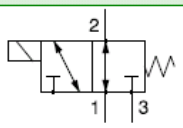
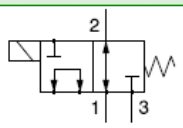
Sigla di ordinazione / Ordering code

EV7012-A — 12V CC-DC

Modello *Type* — Tensione *Voltage*

EV3
3/2 klep



SC	KC	KL
		
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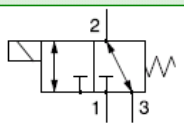
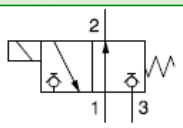
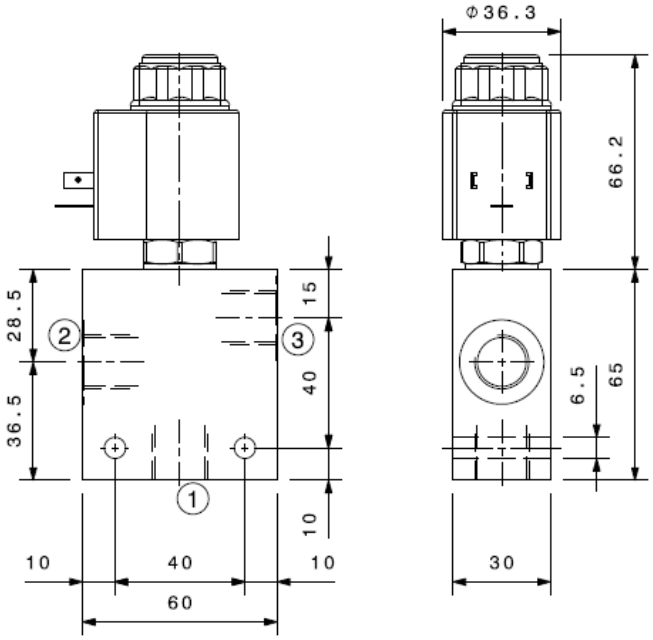
		

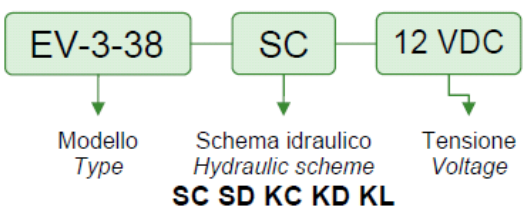
Portata massima *Max flow*	17 l/min
Pressione massima *Max pressure*	350 bar
Trafila Leakage	90 cm^3/min (250 bar, 34 mm^2/s)
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Filtrazione Filtration	CLASS 21/19/16 ISO 4406
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C

Modello *Type*	1,2,3
EV-3-14	**1/4" GAS**
EV-3-38	**3/8" GAS**
EV-3-12	**1/2" GAS**

Tensione ***Voltage***	**12 V DC** **24 V DC** **110 V DC**
Connettore *Connector*	DIN 43650
Corrente a 20°C *Current draw 20°C*	1.5 A - 12 V DC 0.8 A - 24 V DC

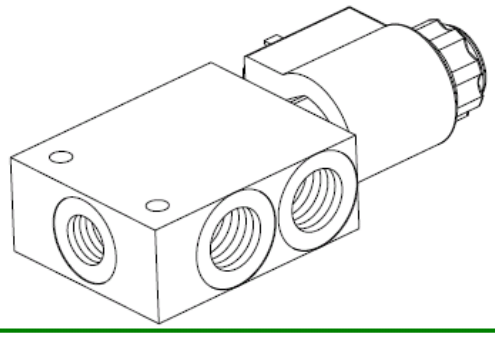


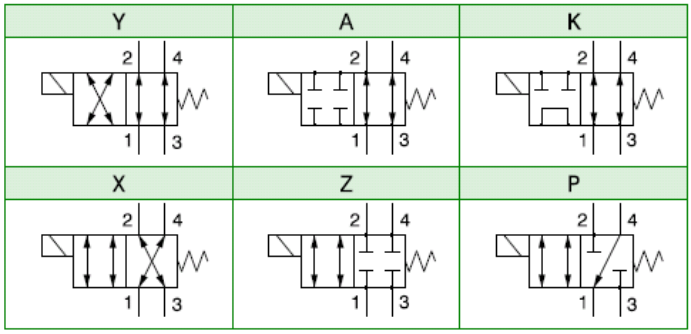
Sigla di ordinazione / Ordering code



EV4

4/2 klep

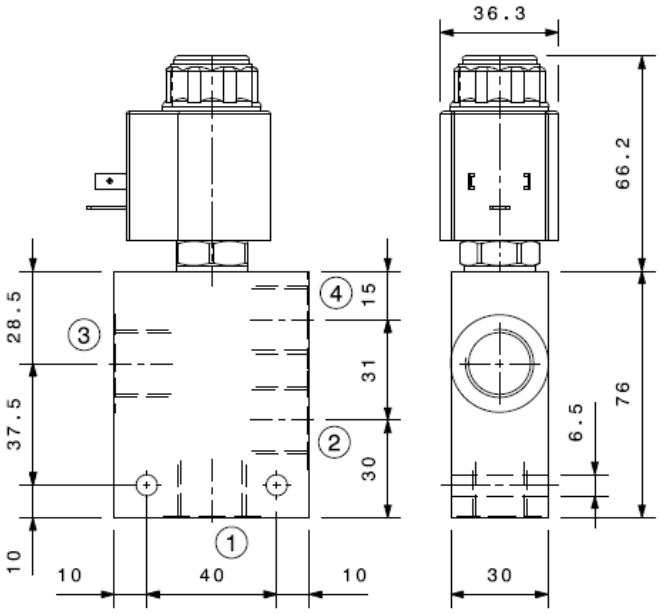




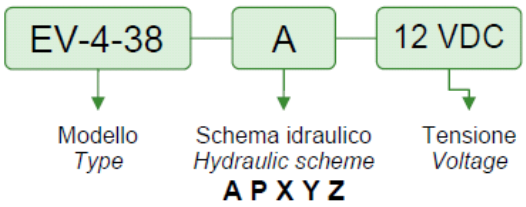
Portata massima *Max flow*	17 l/min
Pressione massima *Max pressure*	350 bar
Trafila Leakage	90 cm^3/min (250 bar, 34 mm^2/s)
Viscosità consigliate *Recommended viscosity*	10 ÷ 420 cSt
Filtrazione Filtration	CLASS 21/19/16 ISO 4406
Temperature di lavoro *Working temperature*	-20 ÷ +90 °C

Modello *Type*	1,2,3,4
EV-4-14	**1/4" GAS**
EV-4-38	**3/8" GAS**
EV-4-12	**1/2" GAS**

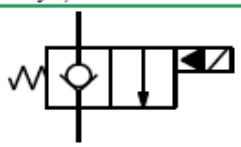
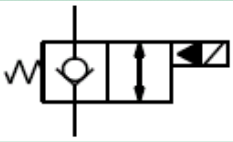
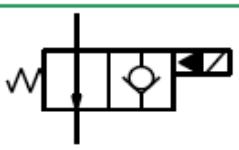
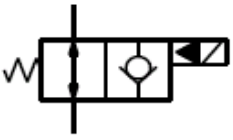
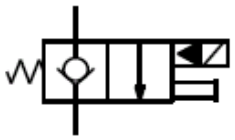
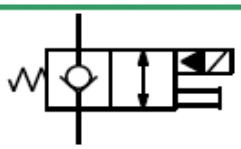
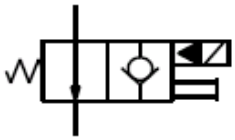
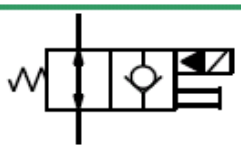
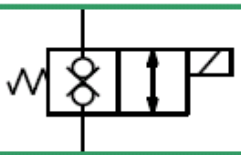
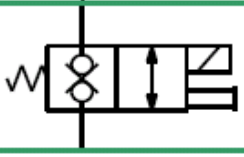
Tensione ***Voltage***	**12 V DC** **24 V DC** **110 V DC**
Connettore *Connector*	DIN 43650
Corrente a 20°C *Current draw 20°C*	1.5 A - 12 V DC 0.8 A - 24 V DC



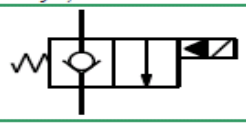
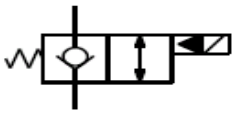
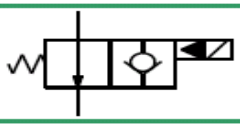
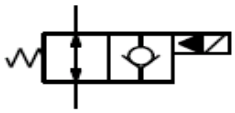
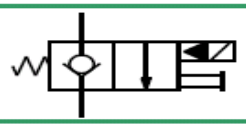
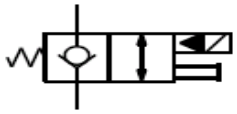
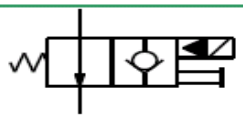
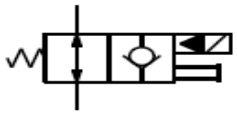
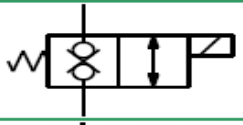
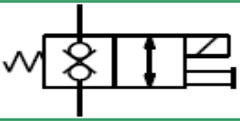
Sigla di ordinazione / Ordering code



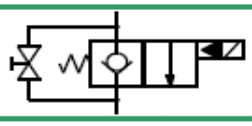
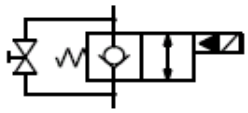
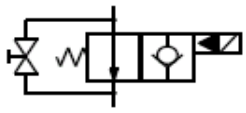
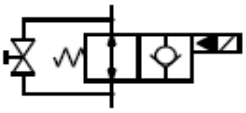
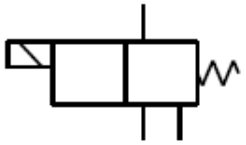
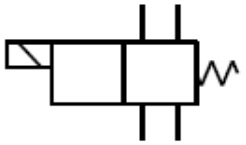
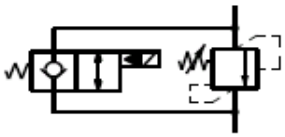
Overzicht alle elektrisch bediende kleppen van CBF

		Q [l/min]	P [bar]
Elettrovalvola 2 vie a cartuccia *2 ways, solenoid valve – cartridge type*			
	EV25-C-A	25	250
	EV40-C-A	40	350
	EV70-C-A	70	350
	EV150-C-A	150	350
	EV25-C-B	25	250
	EV40-C-B	40	350
	EV70-C-B	70	350
	EV150-C-B	150	350
	EV25-CM-C-A	25	250
	EV40-CM-C-A	40	350
	EV70-CM-C-A	70	350
	EV150-CM-C-A	150	350
	EV25-CM-C-B	25	250
	EV40-CM-C-B	40	350
	EV70-CM-C-B	70	350
	EV150-CM-C-B	150	350
	EV40DT-C-A	40	350
	EV40DT-CM-C-A	40	350

Overzicht alle elektrisch bediende kleppen van CBF

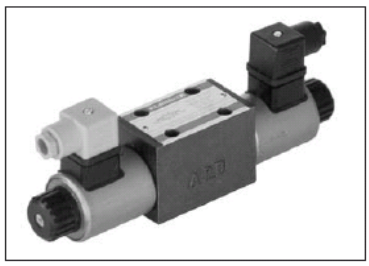
		Q [l/min]	P [bar]
Elettrovalvola 2 vie *2 ways, solenoid valve*			
	EV2514-A	25	250
	EV2538-A	25	250
	EV4038-A	40	350
	EV4012-A	40	350
	EV7012-A	70	350
	EV7034-A	70	350
	EV15034-A	150	350
	EV15010-A	150	350
	EV2514-B	25	250
	EV2538-B	25	250
	EV4038-B	40	350
	EV4012-B	40	350
	EV7012-B	70	350
	EV7034-B	70	350
	EV15034-B	150	350
	EV15010-B	150	350
	EV2514-CM-A	25	250
	EV2538-CM-A	25	250
	EV4038-CM-A	40	350
	EV4012-CM-A	40	350
	EV7012-CM-A	70	350
	EV7034-CM-A	70	350
	EV15034-CM-A	150	350
	EV15010-CM-A	150	350
	EV2514-CM-B	25	250
	EV2538-CM-B	25	250
	EV4038-CM-B	40	350
	EV4012-CM-B	40	350
	EV7012-CM-B	70	350
	EV7034-CM-B	70	350
	EV15034-CM-B	150	350
	EV15010-CM-B	150	350
	EV4038-DT-A	40	350
	EV4038-DT-CM-A	40	350

Overzicht alle elektrisch bediende kleppen van CBF

		Q [l/min]	P [bar]
	EV2514-A-VE	25	250
	EV2538-A-VE	25	250
	EV4014-A-VE	40	350
	EV4038-A-VE	40	350
	EV4012-A-VE	40	350
	EV7012-A-VE	70	350
	EV7034-A-VE	70	350
	EV15034-A-VE	150	350
	EV15010-A-VE	150	350
	EV2514-B-VE	25	250
	EV2538-B-VE	25	250
	EV4014-B-VE	40	350
	EV4038-B-VE	40	350
	EV4012-B-VE	40	350
	EV7012-B-VE	70	350
	EV7034-B-VE	70	350
	EV15034-B-VE	150	350
	EV15010-B-VE	150	350
Elettrovalvola 3 e 4 vie *3 and 4 ways, solenoid valve*			
	EV-3-14	17	350
	EV-3-38	17	350
	EV-3-12	17	350
	EV-4-14	17	350
	EV-4-38	17	350
	EV-4-12	17	350
Elettrovalvola 2 vie con limitatrice di pressione *2 ways, solenoid valve with relief valve*			
	EV40-A-VLP40-38	40	300
	EV40-A-VLP40-12	40	300
	EV70-A-VLP80-34	70	300
	EV40-B-VLP40-38	40	300
	EV40-B-VLP40-12	40	300
	EV70-B-VLP80-34	70	300

KV4/2, KV4/3

Elektrisch ventiel (directional)



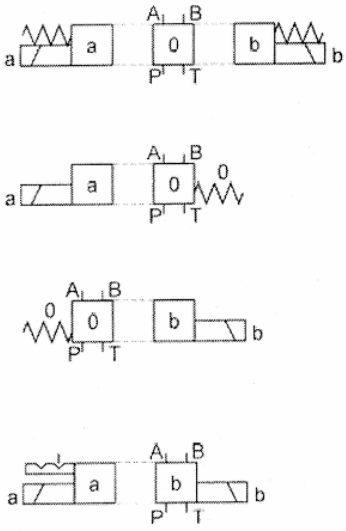
NG6
Drukbereik tot 350 bar
Flow tot 75 L/min

Directional valves type KV with direct solenoid operation control the direction of the hydraulic medium flow.

These directional valves consist of a housing (1), a control spool (3), and one solenoid (2) with two return springs (4) in 4/2-way directional valves, and two solenoids (2) with two return springs (4) in 4/3-way directional valves. In 4/3-way directional valves the centre position of the control spool is the neutral position. The change-over to the operating position (a) and (b) is done by energizing the solenoids (2) "a" and "b" respectively, whereby the solenoid plunger acts on the control spool (3) via the operating pin (5), thus clearing the corresponding flow ways and establishing relevant links between ports A, B, P, and T.

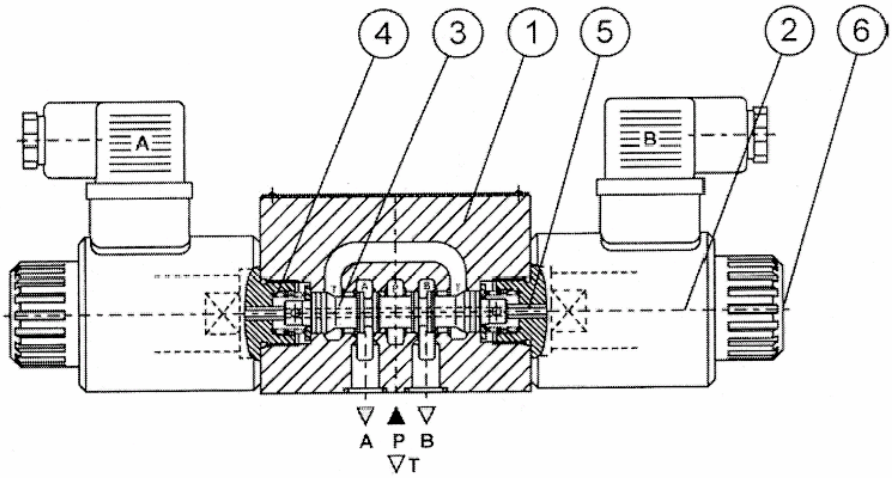
When the solenoid (2) is de-energized, the control spool (3) is returned to its neutral position by the return spring (4). The change-over can be done manually by pressing the emergency hand operator (6).

Spool types



KV-4/2-5KO-6-81

Directional valve with two operating position, two solenoids without springs allow the control spool to be held in the operating position (detent). The control spool remains in the operation position also when the solenoids are de-energized.



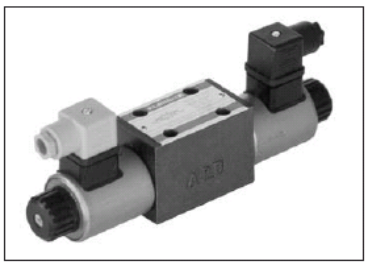
KV4/2, KV4/3

Elektrisch ventiel (directional)

NG6

Drukbereik tot 350 bar

Flow tot 75 L/min



Eigenschappen

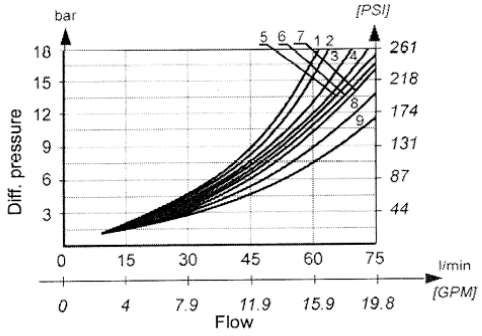
Hydraulic			
Size			6
Flow rate		L/min *[GPM]*	see ΔP-Q curves
Operating pressure	Ports A, B, P	bar *[PSI]*	350 *[5 076]*
	Port T	bar *[PSI]*	250 *[3 625]*
Viscosity range		mm^2/s *[SUS]*	15 to 380 *[69.5 to 1 760]*
Oil temperature range		°C *[°F]*	-20 to +70*[-4 to 158]*
Filtration		NAS 1638	8
Mass	4/2	Kg *[lb]*	1,9 *[4.2]*
	4/3		2,7 *[5.9]*
Mounting position			Optional
Electrical			
Supply voltage	Direct	V	12, 24, 48
	Alternating		110, 230
Power		W	29*
Switch-on time**		ms	50 to 80
Switch-off time**		ms	30 to 55
Switching frequency		1/h	15 000
Ambient temperature		°C *[°F]*	to 50 *[122]*
Coil temperature		°C *[°F]*	to 180 *[356]*
Duty cycle			Continious

* 12 V supply voltage - 36 W.

** The switching-on and off times apply to 24 V DC solenoids.

ΔP-Q Performance curves

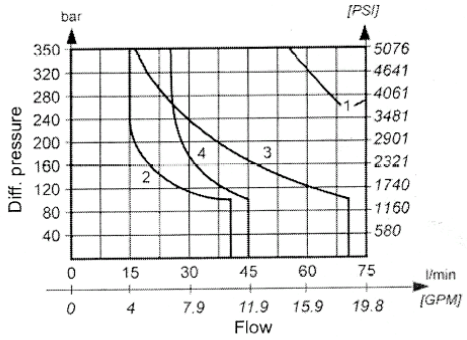
Measured at 50°C *[122°F]* and viscosity of 32 mm^2/s *[148 SUS]*.



Spool	Flow path P-A	P-B	A-T	B-T	P-T
1	8	8	6	6	-
2	5	5	4	4	1
3	8	8	7	7	-
6	5	5	9	9	-
81	5	5	1	1	-
51A, 51B	5	5	1	1	-
41A, 41B	7	7	-	-	-

ΔP-Q Operating limits

Measured at 50°C *[122°F]* and viscosity of 32 mm^2/s *[148 SUS]*.



Spool	curve
1	1
2	4
3	3
6	3
81	1
51A, 51B	1
41A, 41B	2

The operating limits of the valve are determined at a voltage 10% below the nominal rating. The curves refer to application with symetrical flow throw the valve (P-A and B-T). In the case of asymetric flow (e.g. one part not used) reduced values may result.

Note: For valves with adjustment of the switching time reduced values of the operating limits may result.

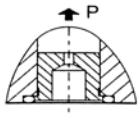
KV4/2, KV4/3

Elektrisch ventiel (directional)

Ordering code

KV - / -5KO- 6 - - *

- Working ports
- Number of control spool positions
- Spool type
- Supply voltage
- Plug-in connector
- Throttle
- Seal type
- Constant action restrictor
- Special requirements to be briefly specified



If flow rates greater than permissible occur during change-over, a cartridge throttle must be fitted into P-line of the directional valve.

Working ports

3 working ports = **3**
4 working ports = **4**

Number of control spool positions

two positions = **2**
three positions = **3**

Supply voltage

direct voltage		alternating voltage	
24 V	= **no desig.**	12 V	= **12 AC**
12 V	= **12 DC**	24 V	= **24 AC**
48 V	= **48 DC**	48 V	= **48 AC**
110 V	= **110 DC**	110 V	= **110 AC**
230 V	= **230 DC**	230 V	= **230 AC**

- Alternating voltage solenoids are fitted with a bridge rectifier.
- With solenoids of over 48 V an earthing clamp (⏚) to ISO 4400 must be connected.

* To fulfil EMC (89/336/EEC) a capacitor must be built in (see 10.2.2)

Plug-in connector

without signal lamp K1 = **no design**
with signal lamp K1L = **L**

Throttle

without throttle in "P" line = **no desig.**
throttle 0,8 mm dia = **D08**
throttle 1,0 mm dia = **D10**
throttle 1,2 mm dia = **D12**

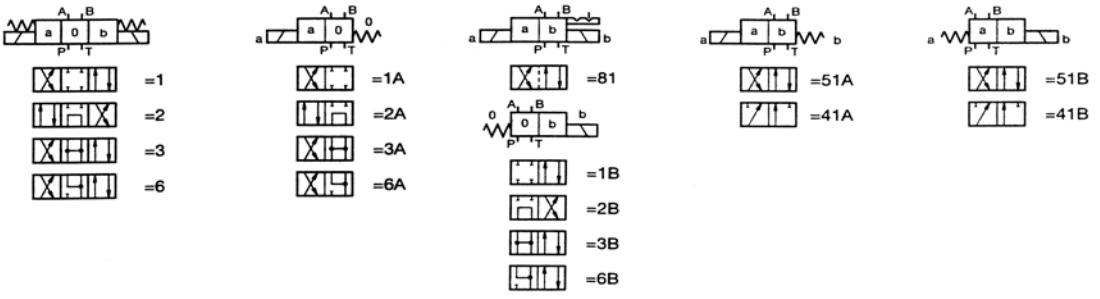
Seal type

NBR seals for mineral oil HL, HLP, to DIN 51524 = **no desig.**
FPM seals for HETG, HEES, HEPG to VDMA 24568 = **E**

Constant action restrictor

Without restrictor = **no desig.**
Restrictor 0,3 dia. = **UD**

Spool types

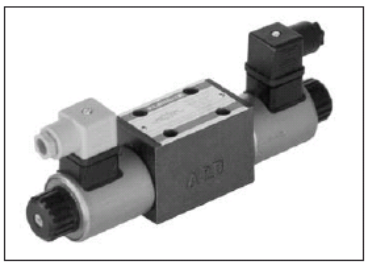


- Port T in the valves with spool type 41A and 41B to be used as lekage line.

Important note:
Valves with adjustment of the switching time - a constant or short - time static oil pressure of at least ≥ 4 bar must prevail at connection T of the directional control valve to maintain the pressure in the spring chambers.

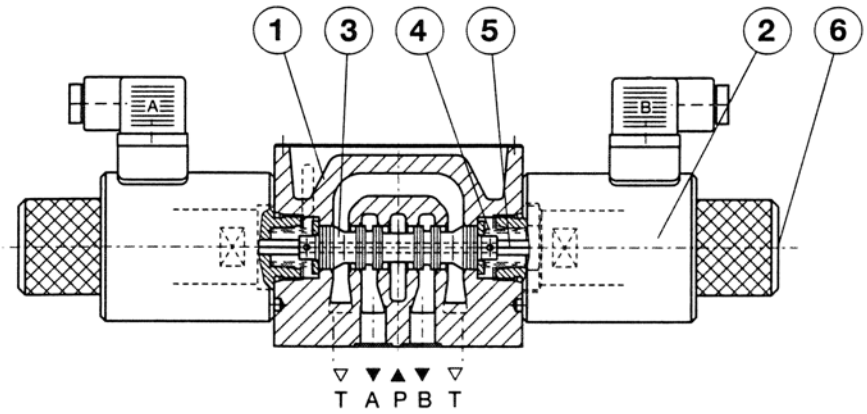
KV4/2, KV4/3

Elektrisch ventiel (directional)



NG10
Drukbereik tot 350 bar
Flow tot 120 L/min

Description of operation



Directional valves type KV with direct solenoid operation control the direction of the hydraulic medium flow.

These directional valves consist of a housing (1), a control spool (3), and one solenoid (2) with two return springs (4) in 4/2-way directional valves, and two solenoids (2) with two return springs (4) in 4/3-way directional valves. In 4/3-way directional valves the centre position of the control spool is the neutral position. The change-over to the operating position (a) and (b) is done by energising the solenoids (2) "a" and "b" respectively, whereby the solenoid plunger acts on the control spool (3) via the operating pin (5), thus clearing the corresponding flow ways and establishing relevant links between ports A, B, P, and T. For selection of spool types refer to page 3.8.2.

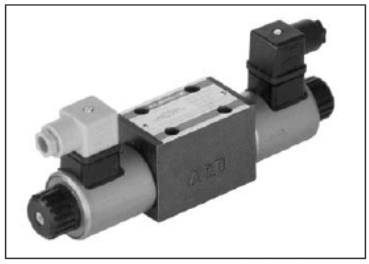
When the solenoid (2) is de-energised, the control spool (3) is returned to its neutral position by the return spring (4). The change-over can be done manually by pressing the emergency hand operator (6).

KV-4/2-5KO-10-81

Directional valve with two operating position, two solenoids without springs allows the control spool to be held in the operating position (detent). The control spool remains in the operation position also when the solenoids are de-energised.

KV4/2, KV4/3

Elektrisch ventiel (directional)



NG10
Drukbereik tot 350 bar
Flow tot 120 L/min

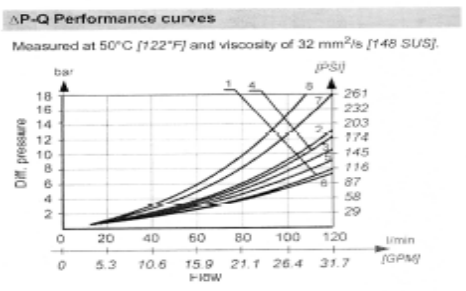
Eigenschappen

Hydraulisch

Grootte				**16**
Flow		**L/min [GPM]**		**zie ΔP-Q curves**
Werk druk	**Met YZ**	**bar [PSI]**		**350 [5076]**
	Zonder YZ	**bar [PSI]**		**250 [3625]**
Werk temperatuur		**°C [°F]**		**-20 tot +70 [-4 tot +158]**
Viscosity		**mm²/s [SUS]**		**15 tot 380 [3,24 tot 82]**
Gewicht	**4/2**	**Kg [lb]**		**6,5 [14,3]**
	4/3	**Kg [lb]**		**7,3 [16,1]**
Filtratie		**NAS 1638**		**8**

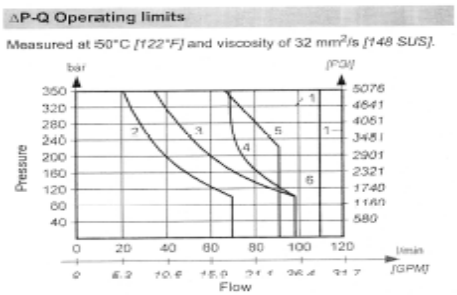
Elektrisch

Voltage	**Direct**	**V**		**12, 24, 48 DC**
	Alternating	**V**		**110, 230**
Power		**W**		**45**
Schakel frequency		**1/h**		**15000**
Switch-on tijd		**ms**		**70 tot 95**
Switch-of tijd		**ms**		**40 tot 80**
Temperatuur patroon		**°C [°F]**		**tot +50 [tot +122]**
Temperatuur spoel		**°C [°F]**		**tot +180 [tot +356]**
Werk cycle				**Continu**



Flow path

Spool	P-A	P-B	A-T	B-T	
1	1	1	5	6	
2	3	3	2	7	8
3	6	6	3	4	-
6	1	1	2	2	-
9	6	6	2	2	-
81	1	1	3	3	-
51A, 51B	1	1	3	3	-
41A, 41B	6	6	-	-	-



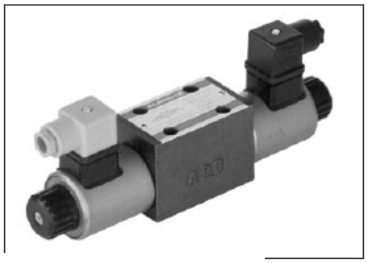
Spool	curve
1	1
2	4
3	5
6	3
9	6
81	1
51A, 51B	1
41A, 41B	2

The operating limits of the valve are determined at a voltage 10% below the nominal rating. The curves refer to application with symetrical flow throw the valve (P-A and B-T). In the case of asymetric flow (e.g. one part not used) reduced values may result.

Note: For valves with adjustment of the switching time reduced values of the operating limits may result.

KV4/2, KV4/3

Elektrisch ventiel (directional)

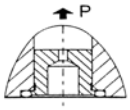


NG10
Drukbereik tot 350 bar
Flow tot 120 L/min

Ordering code

KV - / -5KO- 10 - - *

- Working ports
- Number of control spool positions
- Spool type
- Supply voltage
- Plug-in connector
- Throttle
- Seal type
- Constant action restrictor
- Special requirements to be briefly specified



If flow rates greater than permissible occur during change-over, a cartridge throttle must be fitted into P-line of the directional valve.

Working ports

3 working ports = **3**
4 working ports = **4**

Number of control spool positions

two positions = **2**
three positions = **3**

Supply voltage

direct voltage		alternating voltage	
24 V	= **no desig.**	12 V	= **12 AC**
12 V	= **12 DC**	24 V	= **24 AC**
48 V	= **48 DC**	48 V	= **48 AC**
110 V	= **110 DC**	110 V	= **110 AC**
230 V	= **230 DC**	230 V	= **230 AC**

- Alternating voltage solenoids are fitted with a bridge rectifier.
- With solenoids of over 48 V an earthing clamp (⏚) to ISO 4400 must be connected.

Plug-in connector

without signal lamp K1 = **no design**
with signal lamp K1L = **L**

Throttle

without throttle in "P" line = **no desig.**
throttle 0,8 mm dia = **D08**
throttle 1,0 mm dia = **D10**
throttle 1,2 mm dia = **D12**

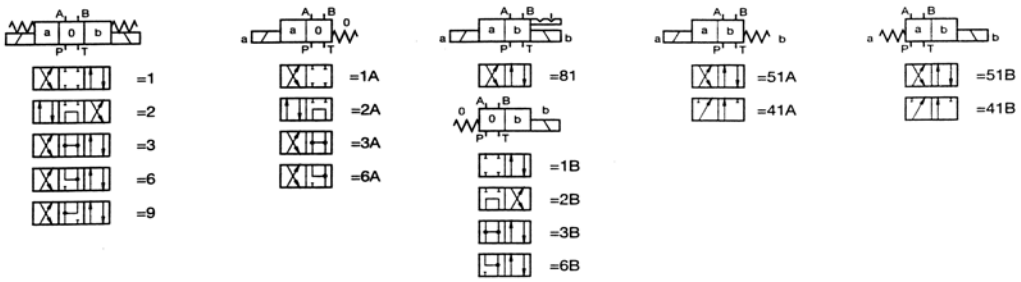
Seal type

NBR seals for mineral oil HL, HLP, to DIN 51524 = **no desig.**
FPM seals for HETG, HEES, HEPG to VDMA 24568 = **E**

Constant action restrictor

Without restrictor = **no desig.**
Restrictor 0,5 dia. = **UD**

Spool types



- Port T in the valves with spool type 41A and 41B to be used as lekage line.

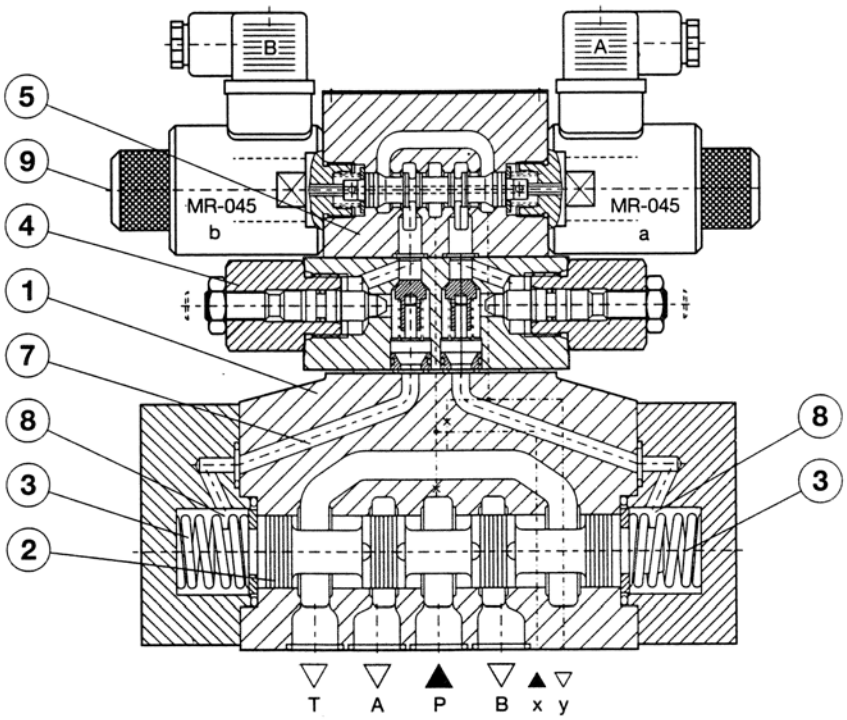
Important note:
Valves with adjustment of the switching time - a constant or short - time static oil pressure of at least ≥ 4 bar must prevail at connection T of the directional control valve to maintain the pressure in the spring chambers.

KV4/2, KV4/3

Elektrisch ventiel (directional)

NG16
Drukbereik tot 350 bar
Flow tot 300 L/min

Description of operation

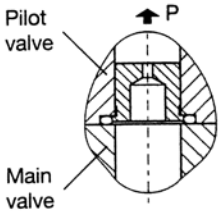


Directional valves type KV with indirect, solenoid-hydraulic operation control the hydraulic fluid flow direction.
These valves consist of the main valve (1), a control spool (2), two return springs (3) in 4/3-way valves and none in 4/2-way valves, a double throttle check/valve (4) and a pilot valve (5). The pilot valve (5) is connected with the pressure chambers (8) via the pilot line (7). Feeding of the pilot valve oil is either or external (via the port "x"). Change-over of the control spool to one of the operating position is activated by the introduction of oil via the pilot valve (5) into one of the pressure chambers (8). A pressure rise in chambers provokes the movement of the control spool (2). Suitable links between ports A,B,P,T according to spool types are established as set forth in the table.
When the solenoid of the pilot valve (5) are de-energised a link between the pressure chamber (8) and the return line "y" for the pilot oil discharge is established. A pressure drop in the chamber actuates the main valve return spring (3) which automatically return the control spool to the neutral position.

Dischange of the return pilot oil from the pressure chambers is either internal or external (via the port "y").
Manual change-over of the main valve is also possible by pressing the emergency hand operator (9).
Indirect directional valves can also be provided with a manual pilot valve. These valves are manually operated by moving the operating lever.

Throttle

If the pilot oil supply rate (x) is greater than permissible a cartridge throttle shall be fitted into the P line of the directional valve.



KV4/2, KV4/3

Elektrisch ventiel (directional)

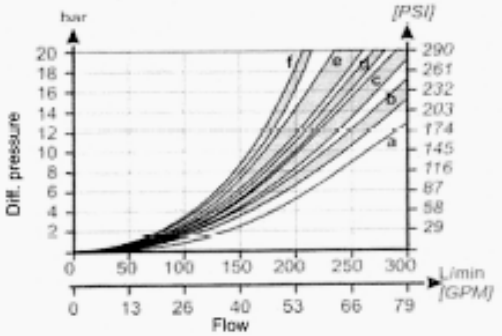
NG16
Drukbereik tot 350 bar
Flow tot 300 L/min

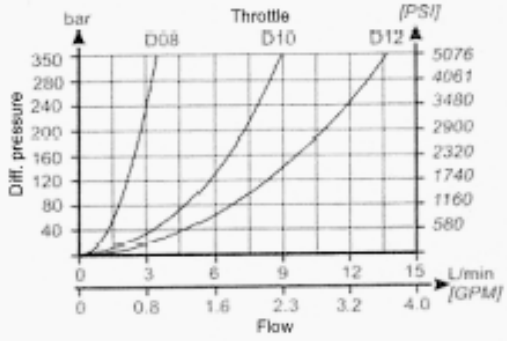
Flow rate	l/min *[GPM]*		300 *[79.2]*
Operating pressure	bar*[PSI]*	Ports A, B, P	350 *[5076.3]*
		Port T	250 *[3625.9]*
Pilot oil pressure (x-external)	bar *[PSI]*		50-250 *[720.2-3625.9]*
Pilot oil pressure (x-internal) **Pre-load valve is fitted into P-port of the main valve** **Without Pre-load valve in the P-port of the main valve**			In valve types with internal pilot oil supply (x) the spool types 2, 3, and 4 are possible only when the oil flow in the direction from P towards T achieves the flow rate Q = 150 L/min *[39.6 GPM]*, with the control spool in the centre position.
Oil temperature range	°C *[°F]*		-20 to +70 *[-4 to 158]*
Viscosity range	mm^2/S		15 to 380
Required pilot oil volume	cm^3 *[cu.in]*	2 positions valve	7,8 *[0.47]*
		3 positions valve	3,9 *[0.24]*
Mass	Kg *[lb]*	Main valve	8 *[17.6]*
		4/3 pilot valve	2,5 *[5.5]*
		4/2 pilot valve	2,2 *[4.8]*
		Throttle/check valve	1,45 *[3.2]*
		Pressure reducing valve	1,70 *[3.7]*
Mounting position			Optional, horizontal for spool types 4/2
Switch-on time **Solenoid change-over from the operating to the centre position**	(ms)	3 positions valve 2 positions valve	60 85
Switch-off time **Solenoid change-over from the operating to the centre position**	(ms)	3 positions valve 2 positions valve	45 50
Filtration	NAS 1638		8
Ambient temperature range	°C *[°F]*		+50 *[122]*
Coil temperature range	°C *[°F]*		+180 *[356]*
Power	W		29 (12V supply voltage - 36W)
Voltage	V		12, 24, 48, 110, 230

The switch-on and switch-off times apply to 24 V DC solenoids.

ΔP-Q Performance curves

Measured at 50°C *[122°F]* and viscosity of 32 mm^2/s *[148 SUS]*.





Spool type	P-A	P-B	A-T	B-T	P-T
1, R1, 51B, 51A, F51, R51	e	e	e	f	-
2, R2	a	b	c	e	f
3, R3	b	b	c	d	-
4, R4	b	c	c	e	-
5, R5	b	c	c	e	-
6, R6	b	c	d	e	-

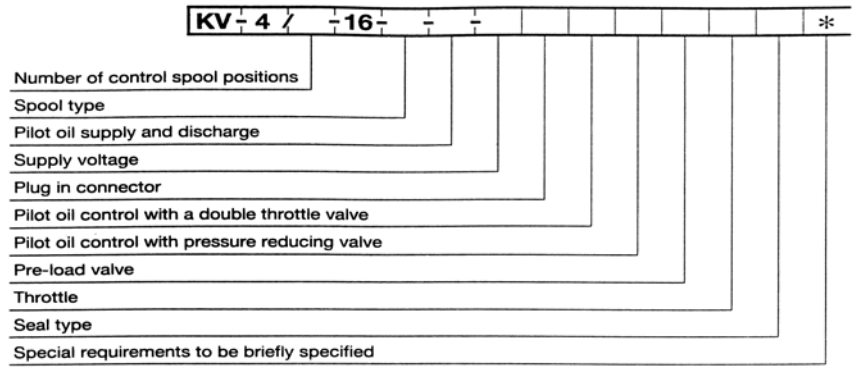
See Model Code for spool type choice.

KV4/2, KV4/3

Elektrisch ventiel (directional)

NG16
Drukbereik tot 350 bar
Flow tot 300 L/min

Ordering code



Number of control spool position

two positions = **2**
three positions = **3**

Pilot oil supply and discharge

external x,y = **Z**
internal x,y = **N**
internal x, external y = **XN**
internal y, external x = **YN**

for supply and discharge with spool types 2 and 3, refer to the table of technical data

Supply voltage

direct voltage		alternating voltage	
24 V	= **no desig.**	12 V	= **12 AC**
12 V	= **12 DC**	24 V	= **24 AC**
48 V	= **48 DC**	48 V	= **48 AC**
110 V	= **110 DC**	110 V	= **110 AC**
230 V	= **230 DC**	230 V	= **230 AC** *

- Alternating voltage solenoids are fitted with a bridge rectifier.
- With solenoids of over 48 V an earthing clamp (⏚) to DIN 43650 must be connected.

* To fulfil EMC (89/336/EEC) a capacitor must be built in (see 10.2.2)

Plug-in connector

without signal lamp K1 = **no design**
with signal lamp K1L = **L**

Pilot oil control with a double throttle valve

without a double throttle valve = **no desig.**
with a double throttle valve = **H**

Pilot oil control with pressure reducing valve

without pressure reducing valve = **no desig.**
with pressure reducing valve = **RT**

Pre-load valve

without pre-load valve = **no desig.**
with pre-load valve = **V**

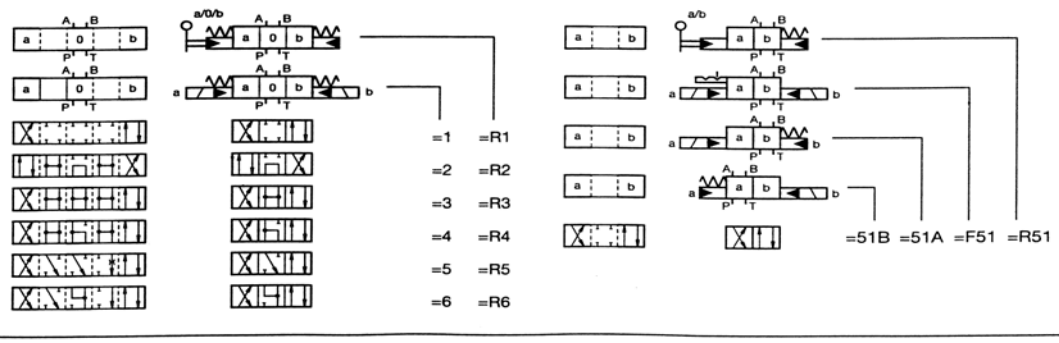
Throttle

without throttle in "P" line = **no desig.**
throttle 0,8 mm dia = **D08**
throttle 1,0 mm dia = **D10**
throttle 1,2 mm dia = **D12**

Seal type

NBR seals for mineral oil HL, HLP, to DIN 51524 = **no desig.**
FPM seals for HETG, HEES, HEPG to VDMA 24568 = **E**

Spool types

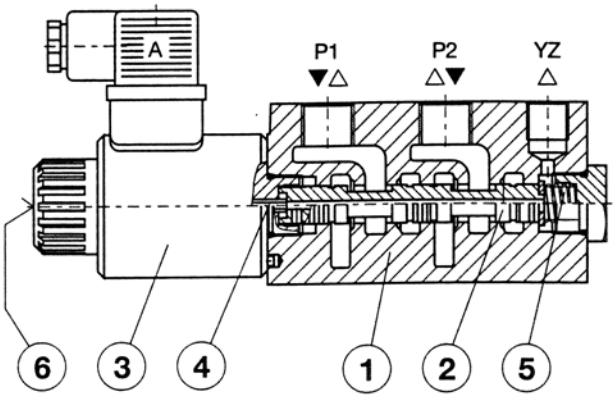


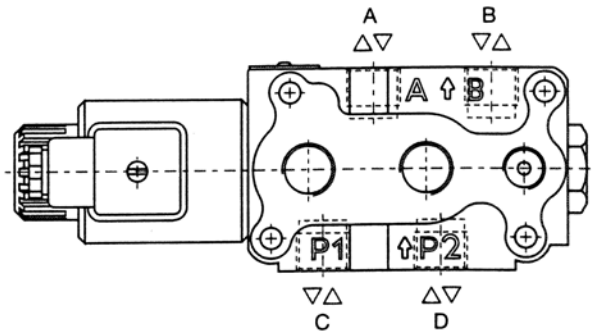
KV6/2

Elektrisch ventiel (directional)

NG6
Drukbereik tot 350 bar
Flow tot 50 L/min

Description of operation





Directional valves type KV with direct solenoid operation control the direction of the hydraulic medium flow. They are mostly used as link between two consumers and the basic directional valve, when we want to control both consumers alternately by means of one basic directional valve.

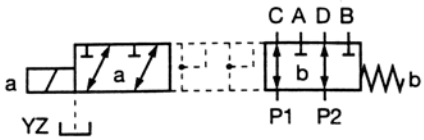
The KV type directional valves consist of a housing (1), a control spool (2), a solenoid (3) and a return spring (5).

Change-over to the operating position is done by energising the solenoid (3), whereby the solenoid plunger acts on the control spool (2) via the operating pin (4), thus clearing the corresponding flow ways and establishing respective links between the ports P1, A, B and P2.

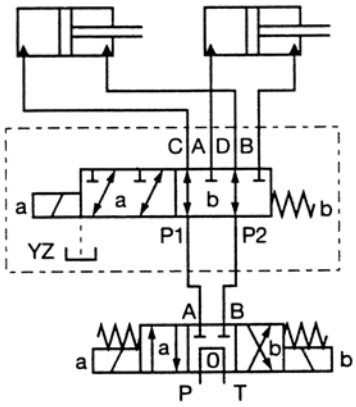
When the solenoid (3) is de-energised, the control spool (2) is returned to its neutral position by the return spring (5), thus establishing again the links between ports P1, C, D and P2.

The change-over can also be done manually by pressing the emergency hand operator (6).

Symbol



Mounting example



KV6/2

Elektrisch ventiel (directional)

NG6
Drukbereik tot 350 bar
Flow tot 50 L/min

Eigenschappen

Hydraulisch

Grootte				**6**
Flow		**L/min [GPM]**		**50 [13,2]**
Werk druk	**met YZ**	**bar [PSI]**		**350 [5076]**
	zonder YZ	**bar [PSI]**		**250 [3625]**
Werk temperatuur		**ºC [ºF]**		**-20 tot +70 [-4 tot +158]**
Viscosity		**mm²/s [SUS]**		**15 tot 380 [3,24 tot 82]**
Gewicht		**Kg [lb]**		**6,5 [14,3]**
Filtratie		**NAS 1638**		**8**

Elektrisch

Voltage	**Direct**	**V**		**12, 24 DC**
Power		**W**		**29**
Schakel frequency		**1/h**		**15000**
Temperatuur patroon		**ºC [ºF]**		**tot +50 [tot +122]**
Temperatuur spoel		**ºC [ºF]**		**tot +180 [tot +356]**
Werk cycle				**Continu**

KV6/2

Elektrisch ventiel (directional)

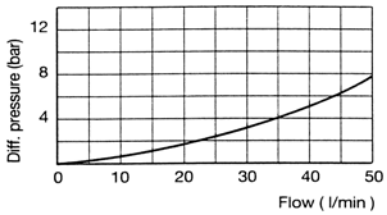
NG6
Drukbereik tot 350 bar
Flow tot 50 L/min

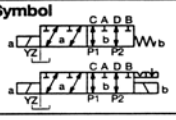
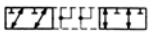
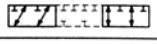
Ordering code

KV - 6/2 - 6 - | | | | | | | | | *

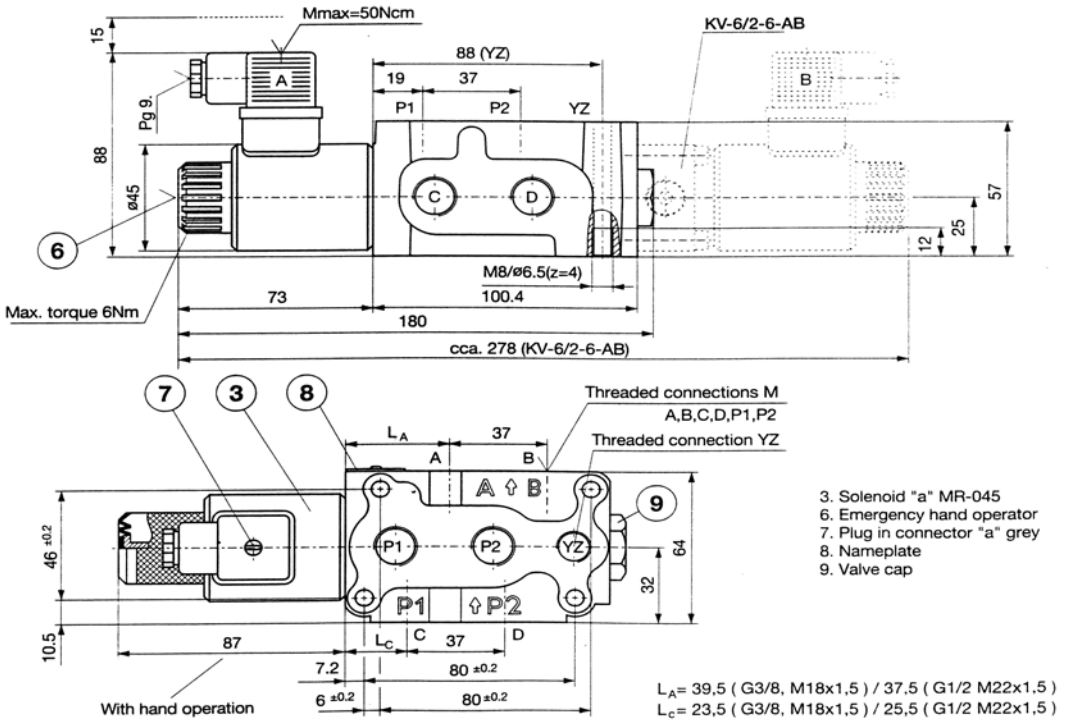
- Symbol
- Overlap
- Hand operator
- Supply voltage
- Threaded connections
- Drainage
- Plug-in connector
- Seal type
- Special requirements to be briefly specified

Δ p-Q Performance curves
(measured at t = 50 °C and υ = 32 mm²/s)



Symbol		**Overlap**	
	= no desig.		= no desig.
	= AB		= P
Hand operator		**Supply voltage**	
without hand operator	= no desig.	direct voltage 24 V	= no desig.
with hand operator	= G	direct voltage 12 V	= 12 DC
Threaded connections M / YZ		**Plug-in connector**	
M18x1,5 (YZ=M14x1,5)	= no desig.	without signal lamp K1	= no desig.
M22x1,5 (YZ=M14x1,5)	= M22	with signal lamp K1L	= L
G3/8 (YZ=G1/4)	= 3/8	**Drainage**	
G1/2 (YZ=G1/4)	= 1/2	without YZ	= no desg.
		with YZ	= YZ
Seal type			
NBR seals for mineral oil HL, HLP to DIN 51524			= no desig.
FPM seals for HETG, HEES, HEPG to VDMA 24568			= E

Dimensions (mm)

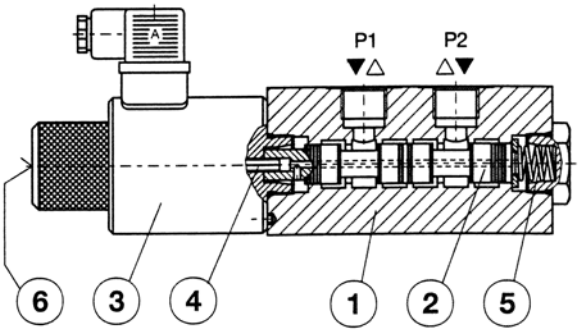


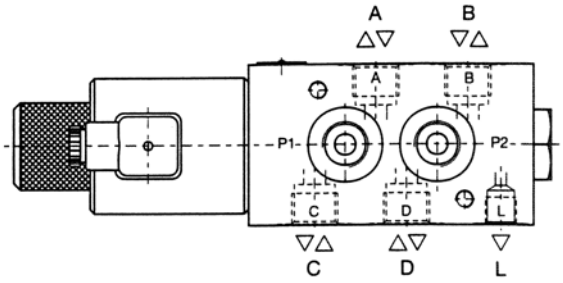
KV6/2

Elektrisch ventiel (directional)

NG10
Drukbereik tot 350 bar
Flow tot 120 L/min

Description of operation





Directional valves type KV with direct solenoid operation control the direction of the hydraulic medium flow. They are mostly used as link between two consumers and the basic directional valve, when we want to control both consumers alternately by means of one basic directional valve.

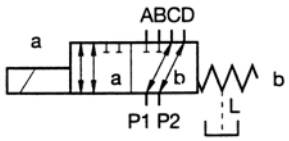
The KV type directional valves consist of a housing (1), a control spool (2), a solenoid (3) and a return spring (5).

Change-over to the operating position is done by energising the solenoid (3), whereby the solenoid plunger acts on the control spool (2) via the operating pin (4), thus clearing the corresponding flow ways and establishing respective links between the ports P1, A, B and P2.

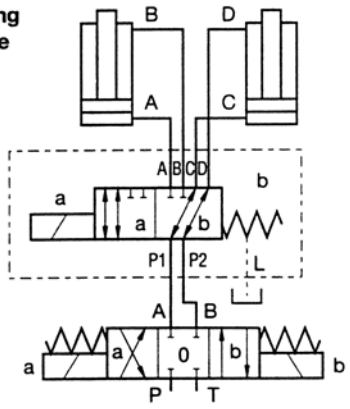
When the solenoid (3) is de-energised, the control spool (2) is returned to its neutral position by the return spring (5), thus establishing again the links between ports P1, C, D and P2.

The change-over can also be done manually by pressing the emergency hand operator (6).

Symbol



Mounting example



KV6/2

Elektrisch ventiel (directional)

NG10
Drukbereik tot 350 bar
Flow tot 120 L/min

Eigenschappen

Hydraulisch

Grootte				**10**
Flow		**L/min [GPM]**		**120 [31,7]**
Werk druk	**Met YZ**	**bar [PSI]**		**350 [5076]**
	Zonder YZ	**bar [PSI]**		**250 [3625]**
Werk temperatuur		**ºC [ºF]**		**-20 tot +70 [-4 tot +158]**
Viscosity		**mm²/s [SUS]**		**15 tot 380 [3,24 tot 82]**
Gewicht		**Kg [lb]**		**5,5 [12,12]**
Filtratie		**NAS 1638**		**8**

Elektrisch

Voltage		**V**		**12, 24 DC**
Power		**W**		**45**
Schakel frequency		**1/h**		**15000**
Temperatuur patroon		**ºC [ºF]**		**tot +50 [tot +122]**
Temperatuur spoel		**ºC [ºF]**		**tot +180 [tot +356]**
Werk cycle				**Continu**

KV6/2

Elektrisch ventiel (directional)

NG10
Drukbereik tot 350 bar
Flow tot 120 L/min

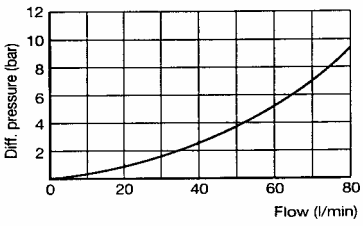
Ordering code

KV-6/2-10 - _ _ _ _ *

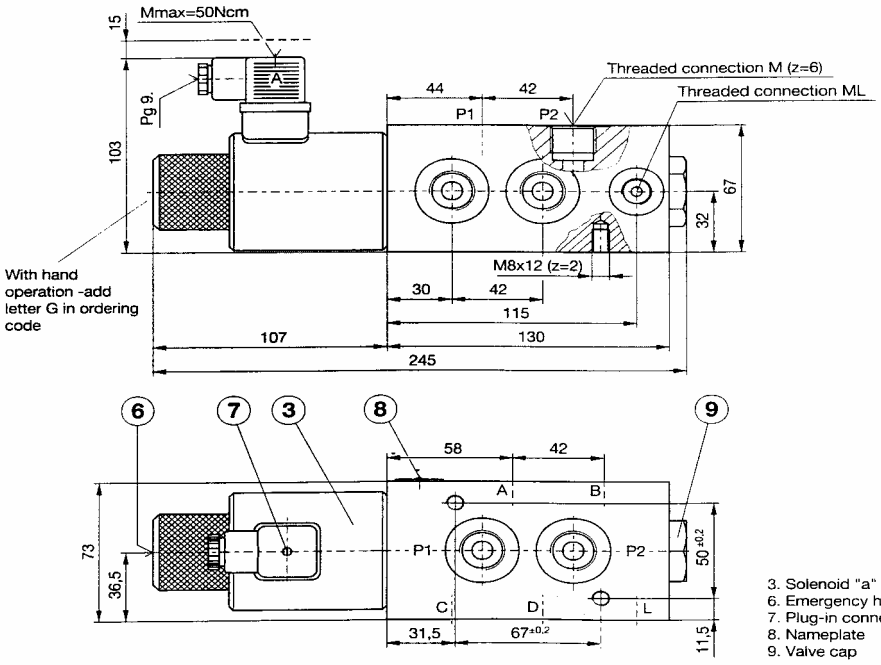
- Supply voltage
- Threaded connections
- Plug-in connector
- Seal type
- Special requirements to be briefly specified

Supply voltage	
direct voltage 24 V	= no desig.
direct voltage 12 V	= 12 DC
Threaded connections M / ML	
M 22x1,5 / M14x1,5	= no desig.
M 27x2 / M14x1,5	= M 27
G 1/2 / G 1/4	= G 1/2
G 3/4 / G 1/4	= G 3/4
Plug-in connector	
without signal lamp K1	= no desig.
with signal lamp K1L	= L
Seal type	
NBR seals for mineral oil HL, HLP, to DIN 51524	= no desig.
FPM seals for HETG, HEES, HEPG to VDMA 24568	= E

Δ p-Q Performance curves
(measured at t = 50 °C and υ = 32 mm²/s)



Dimensions (mm)



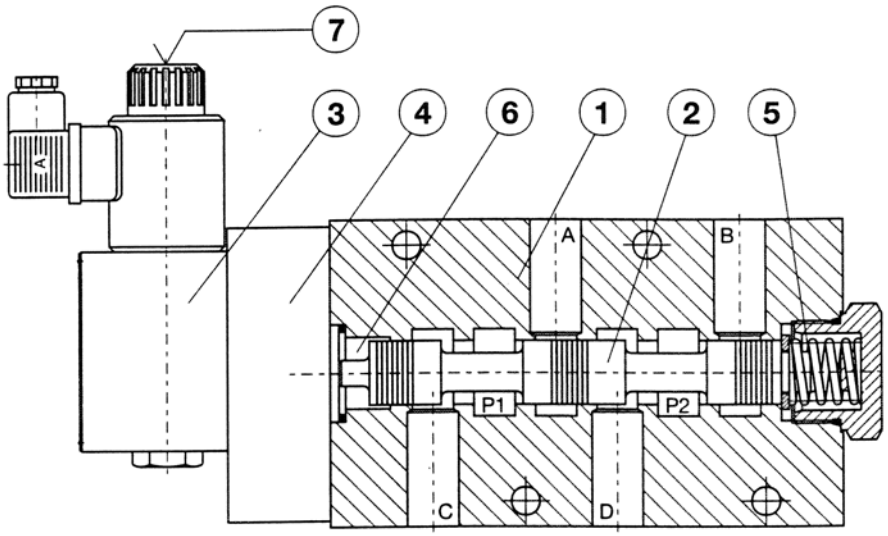
3. Solenoid "a" - MR-060
6. Emergency hand operator
7. Plug-in connector "a" - grey
8. Nameplate
9. Valve cap

KV6/2

Elektrisch ventiel (directional)

NG16
Drukbereik tot 350 bar
Flow tot 250 L/min

Description of operation



Directional valves type KV-6/2-16 with indirect, solenoid-hydraulics operation control the direction of the hydraulic medium flow. They are mostly used as link between two consumers and the basic directional valve, when we want to control both consumers alternately by means of one basic directional valve.

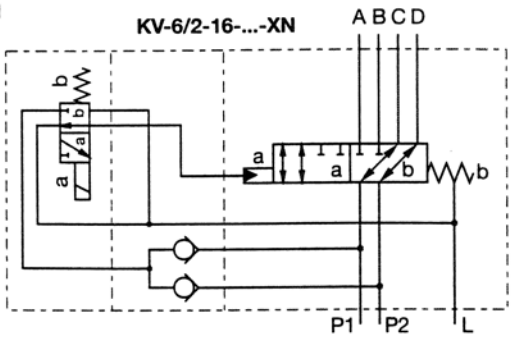
The KV type directional valves consist of a housing (1), a control spool (2), a pilot valve (3) a sendwich plate (4) and a return spring (5).

Change-over to the operating position is done by energising the solenoid of the pilot valve (3). A pressure rise in the pressure chamber (6), provoke the movement of the control spool (2), thus clearing the corresponding flow ways and establishing respective links between the ports P1, A, B and P2.

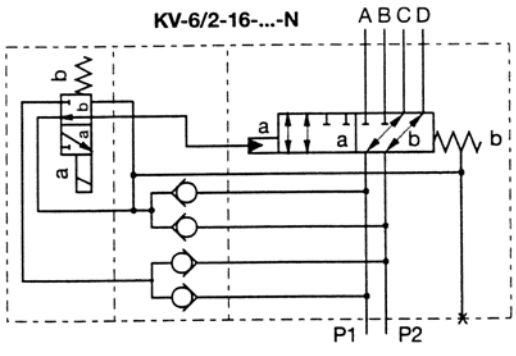
When the solenoid of the pilot valve is de-energised, the control spool (2) is returned to its neutral position by the return spring (5), thus establishing again the links between ports P1, C, D and P2. The change-over can also be done manually by pressing the emergency hand operator (7) of the pilot valve.

Symbol

KV-6/2-16-...-XN



KV-6/2-16-...-N



KV6/2

Elektrisch ventiel (directional)

NG16
Drukbereik tot 350 bar
Flow tot 250 L/min

Eigenschappen

Hydraulisch

Grootte				**16**
Flow		**L/min [GPM]**		**250 [31,7]**
Werk druk		**bar [PSI]**		**15 to 350 [5076]**
	L poort of retour	**bar [PSI]**		**250 [3625]**
Werk temperatuur		**ºC [ºF]**		**-20 tot +70 [-4 tot +158]**
Viscosity		**mm²/s [SUS]**		**15 tot 380 [3,24 tot 82]**
Gewicht		**Kg [lb]**		**22 [48,5]**
Filtratie		**NAS 1638**		**8**

Elektrisch

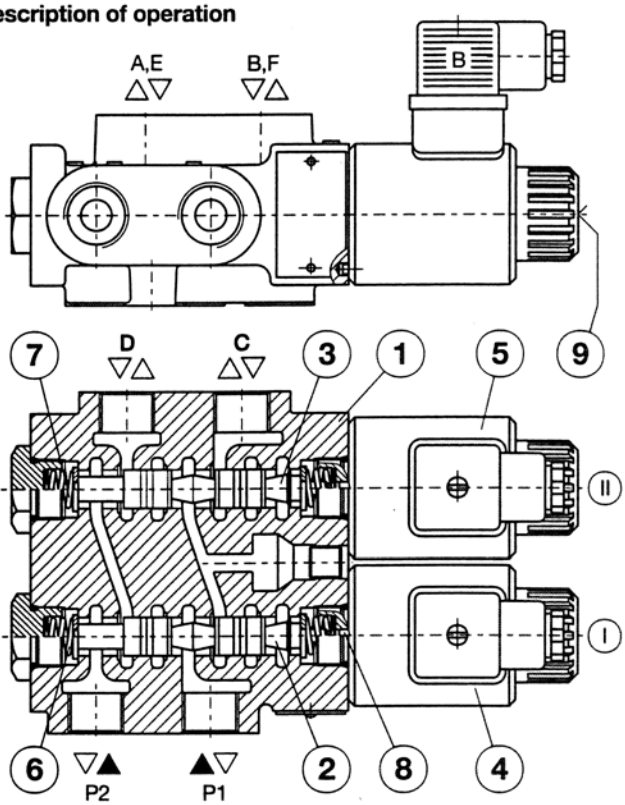
Voltage	**Direct**	**V**		**12, 24 DC**
Power		**W**		**29**
	12v DC			**36**
Schakel frequency		**1/h**		**15000**
Temperatuur patroon		**ºC [ºF]**		**tot +50 [tot +122]**
Temperatuur spoel		**ºC [ºF]**		**tot +180 [tot +356]**
Werk cycle				**Continu**

KV8/3

Elektrisch ventiel (directional)

NG6
Drukbereik tot 350 bar
Flow tot 50 L/min

Description of operation



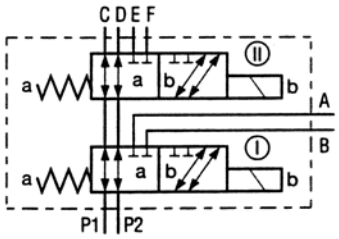
Directional valves type KV with direct solenoid operation control the direction of the hydraulic medium flow. They are mostly used as link between three consumers and the basic directional valve, when we wish to control both consumers alternately by means of one basic directional valve.

The KV type directional valves consist of a housing (1), a control spool (2,3), two solenoids (4,5) with return spring (6,7). Change-over to one of the operating positions is done by combination of operation of solenoids (4,5), whereby the solenoid plunger acts on the control spool (2,3) via the operating pin (8), thus clearing the corresponding flow ways and establishing respective links between the ports P1, A, B, C, D, E, F and P2, as seen forth in the schematic diagram of a mounting example.

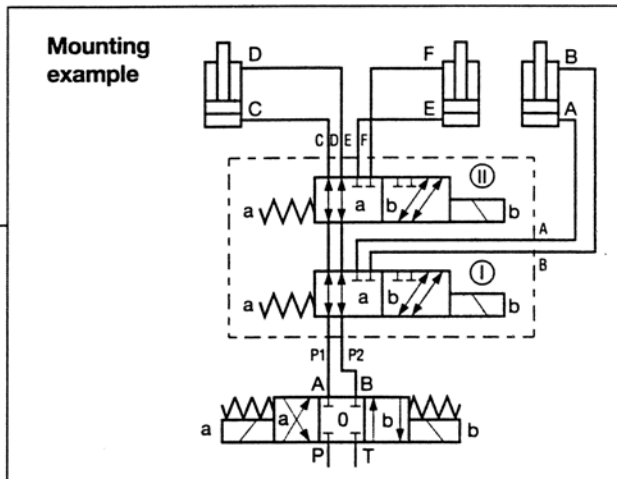
When the solenoid (4,5) is de-energised, the control spool (2.3) is returned to their neutral position by the return spring (6,7).

The change-over can also be done manually by pressing the emergency hand operator (9).

Symbol



Mounting example



KV8/3

Elektrisch ventiel (directional)

NG6
Drukbereik tot 350 bar
Flow tot 50 L/min

Ordering code

KV-8/3-6 - - - - - *

- Supply voltage
- Threaded connections
- Plug-in connector
- Seal type
- Special requirements to be briefly specified

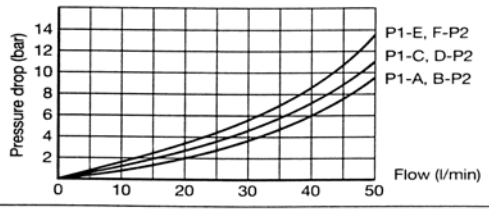
Supply voltage
direct voltage 24 V = no desig.
direct voltage 12 V = 12 DC

Threaded connections
M 18x1.5 = no desig.
M 22x1,5 = M 22
G 3/8 = G 3/8
G 1/2 = G 1/2

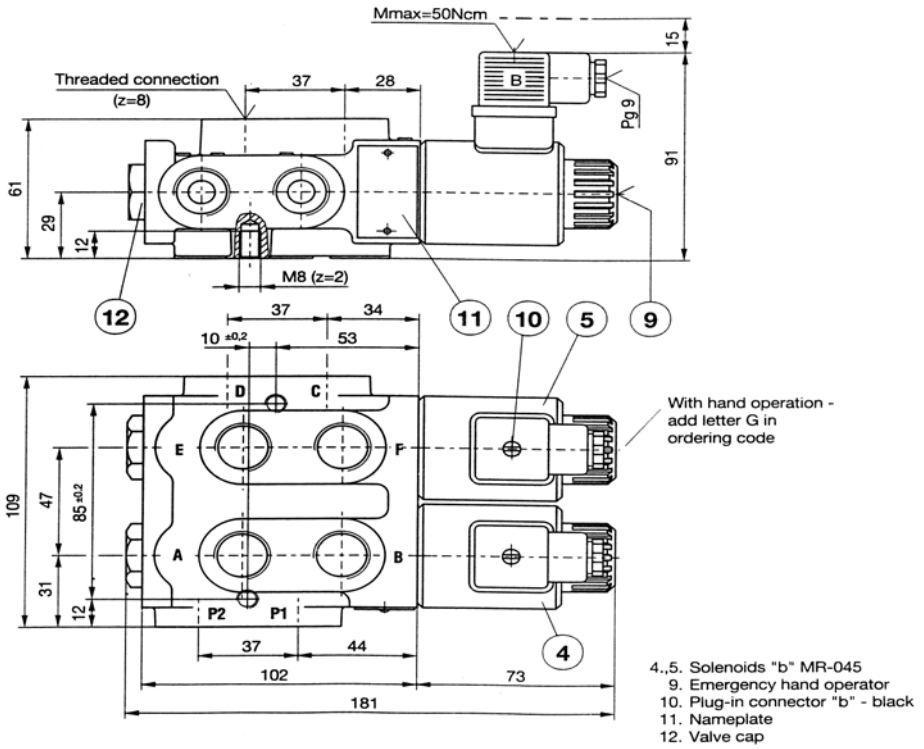
Plug-in connector
without signal lamp K1 = no desig.
with signal lamp K1L = L

Seal type
NBR seals for mineral oil HL, HLP, to DIN 51524 = no desig.
FPM seals for HETG, HEES, HEPG to VDMA 24568 = E

Δ p-Q Performance curves
(measured at t = 50 °C and υ = 32 mm²/s)



Dimensions (mm)



4.,5. Solenoids "b" MR-045
9. Emergency hand operator
10. Plug-in connector "b" - black
11. Nameplate
12. Valve cap

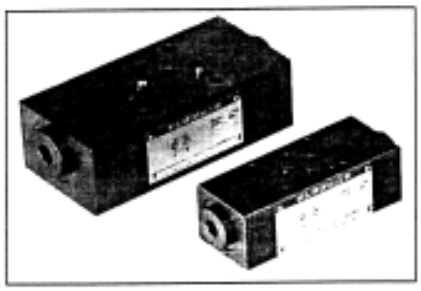
VP-NOV

Gestuurde terugslagklep

CHECK VALVE type VP-NOV

- NS-6, 10
- to 315 bar
- to 100 l/min

- Direct operated
- Connecting dimensions to ISO 4401
- Flow shut-off in both or one service line
- For vertical stacking - sandwich plate design
- Height and width of the valves to ISO 7790 norms



VP-NOV-10-.., VP-NOV-6-..

Description of operating

Pilot operated check valves type VP-NOV enable the hydraulic fluid flow in the service lines to be automatically shut off and made free, respectively.
Free flow direction is always from the valve side "V" to the subplate side "P". In the opposite direction is the valve blocked for the hydraulic fluid flow. Free flow in port A in direction P to V is achieved by means of pressure in port B, and vice versa.
To assure zero leakage there is necessary to discharge ports A and B towards T in the zero position of the directional valve.

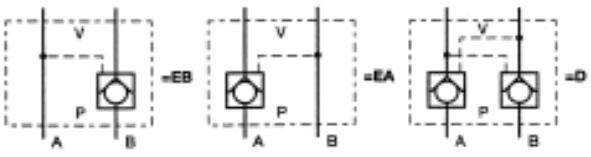
Ordering code

VP-NOV- - - -*

- Size
- Check valve in port
- Seal type
- Special requirements to be briefly specified

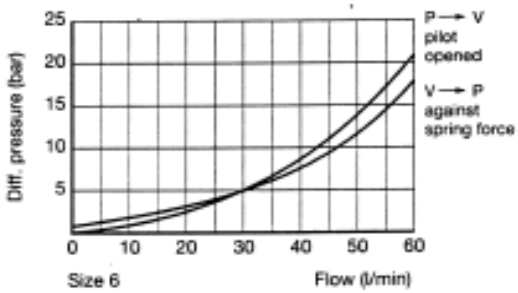
Size	Seal type	
Size 6 = 6 Size 10 = 10	NBR seals for mineral oil HL, HLP, to DIN 51524 FPM seals for HETG, HEES, HEPG to VDMA 24568	= no desig. = E

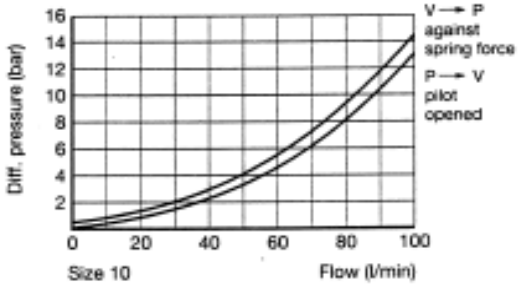
Check valve in port (symbol)



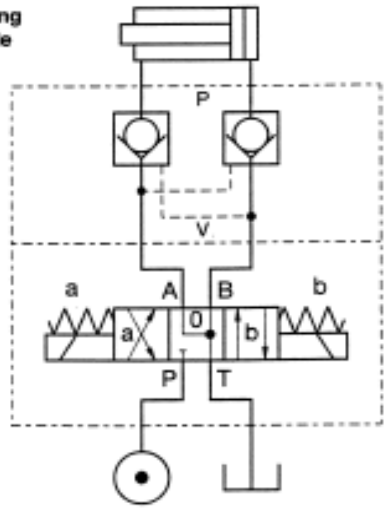
Performance curves

Δ p - Q Performance curves of the flow in direction V to P (through check valve) and in direction P to V (check valve pilot opened with p_s=80 bar).
Measured at t = 50 °C and υ = 32 mm²/s





Mounting example



Technical data

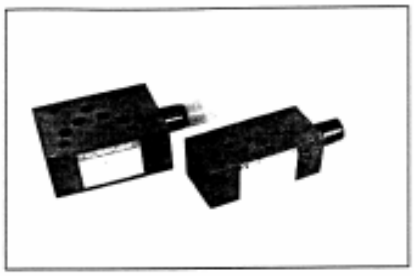
Size		6	10
Flow rate	l/min	60	100
Operating pressure	bar	315	315
Cracking pressure	bar	1	0,5
Area ratio		1:3,9	1:3,6
Oil temperature range	°C	-20 to +70	-20 to +70
Viscosity range	mm²/s	15 to 380	15 to 380
Filtration	NAS 1638	9	9
Mass	kg	1,8	3,5

VP-RT

Poortveiligheid en overdrukventiel

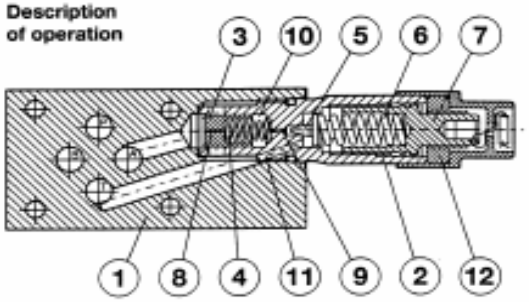
PRESSURE RELIEF VALVE type VP-RT

- NS 6,10
- to 315 bar
- to 100 l/min
- Pilot operated
- Connecting dimensions to ISO 4401
- For vertical stacking - sandwich plate design
- Two pressure setting ranges



VP-RT-10, VP-RT-6

Description of operation



Pilot operated pressure relief valves type VP-RT of sandwich plate design, for vertical stacking, are used for maintaining and limiting the maximum pressure in a hydraulic system.

These valves consist of a stack plate (1), pressure relief valve housing (2), main spool insert (3) with a spring (4), pilot poppet (5), spring (6) and pressure setting element (7). The P-line of this pressure relief valve is connected with the hydraulic system. The hydraulic medium pressure acts on the front side of the main spool insert (3). The bores (8,9) permit the introduction of pilot oil into the pressure chamber (10) and the application of pressure to the opposite side of the main spool insert.
This pressure relief valve remains in closed position till the system pressure exceeds the valve set at the spring (6). A pressure rise in the system above the value set by the pressure setting element (7), provokes the movement of the pilot poppet (5) of the seat, freeing the pilot oil discharge through the bores (9) and (11). A pressure drop in the pressure chamber (10) rises the main spool insert (3), thus clearing the hydraulic medium flow in the direction from port P towards port T.
Loosening of the pressure setting element is prevented by a countemut (12).

Ordering code

VP-RT- - - - - -*

- Nominal size
- Pressure setting in line
- Pressure setting range
- Seal type
- Special requirements to be briefly specified

Nominal size
Size 6 = 6
Size 10 = 10

Pressure setting in line

setting in line A	= EA
setting in line B	= EB
setting in line P	= EP
setting in line A and B (for size 6 only)	= D

Pressure setting range
to 100 bar = 100
to 315 bar = 315

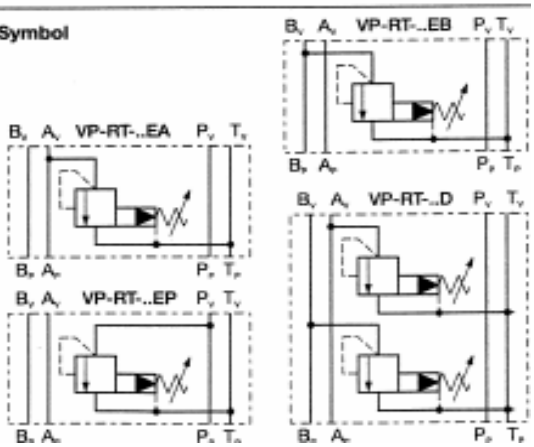
Seal type

NBR seals for mineral oil HL, HLP, to DIN 51524	= no desig.
FPM seals for HETG, HEES, HEPG to VDMA 24568	= E

Technical data

Size		6	10
Flow rate	l/min	50	100
Pressure setting range	bar	to 315	to 315
Oil temperature range	°C	-20 to +70	-20 bis +70
Viscosity range	mm²/s	15 to 380	15 to 380
Mass	kg	1,2-1,7(D)	2,6
Filtration	NAS 1638	9	9

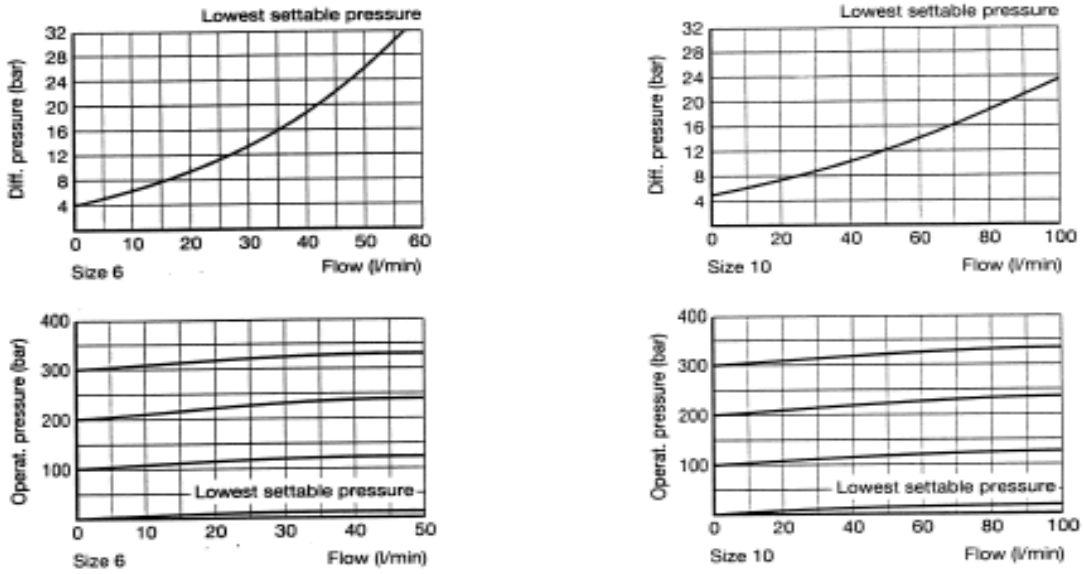
Symbol



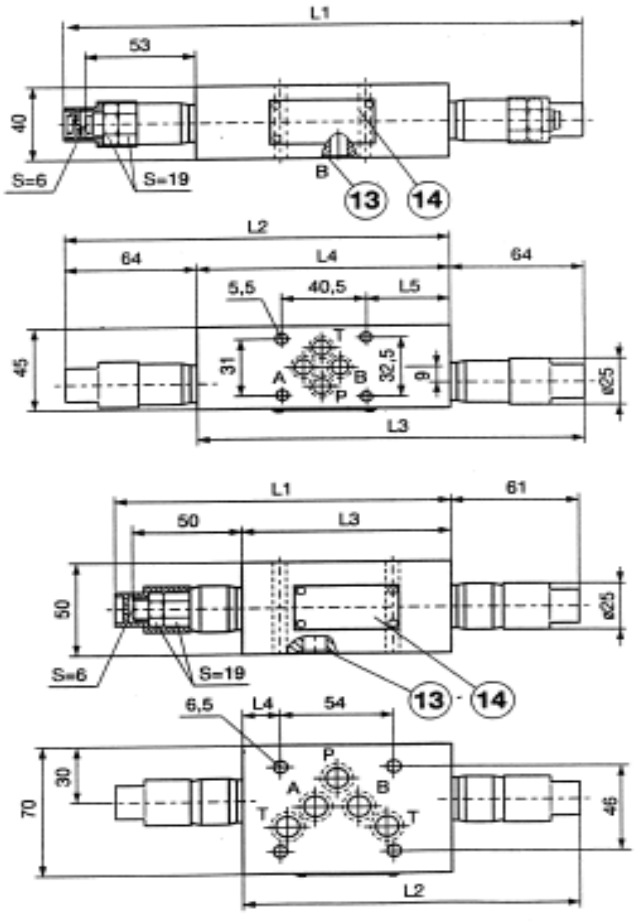
VP-RT

Poortveiligheid en overdrukventiel

Δ p - Q Performance curves (measured at t = 50 °C and υ = 32 mm²/s)



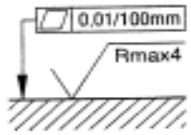
Dimensions (mm)



	VP-RT-6-EA	VP-RT-6-EB	VP-RT-6-EP	VP-RT-6-D
L1	-	-	-	249
L2	154	-	-	-
L3	-	154	154	-
L4	90	90	90	121
L5	9	40,5	40,5	40

13. O-ring 9,2x1,78
14. Nameplate

The value set on the pressure setting element is protected by means of a lead stamp Ø11 and a wire Ø1,1 mm.



Required quality of the mating surface

	VP-RT-10-EP	VP-RT-10-EA	VP-RT-10-EB
L1	156	161	-
L2	-	-	161
L3	96,5	100,5	100,5
L4	28,5	28,5	18

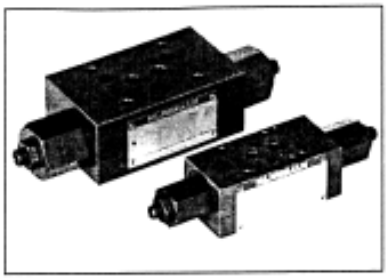
13. O-ring 12x2
14. Nameplate

The value set on the pressure setting element is protected by means of a lead stamp Ø11 and a wire Ø1,1 mm.

VP-NDV
Snelheidsregelventiel

THROTTLE/CHECK VALVE type VP-NDV

- NS-6, 10
- to 315 bar
- to 100 l/min
- Connecting dimensions to ISO 4401
- For flow control in both service lines
- For throttling in supply - and return lines
- For vertical stacking - sandwich plate design
- Height and width of the valves to ISO 7790 norms



VP-NDV-10-.., VP-NDV-6-..

Description of operating

Throttle/check valves type VP-NDV are used for throttling the pilot and main flow of the hydraulic fluid in the line A and B. These valves consist of two throttling spools with setting screws and two check valves which are built in a housing.
In direction V to P (see the hydraulic symbol) flows the hydraulic fluid with low pressure loss through the check valve. In direction P to V is the hydraulic fluid flow throttled depending on adjustment of the throttling spool.

Ordering code

VP-NDV- - -*

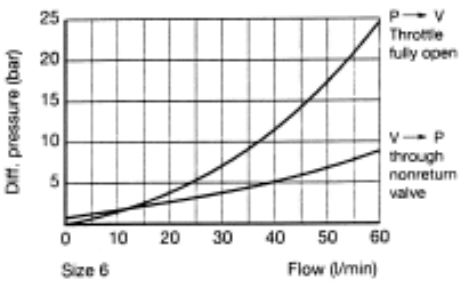
- Size
- Seal type
- Special requirements to be briefly specified

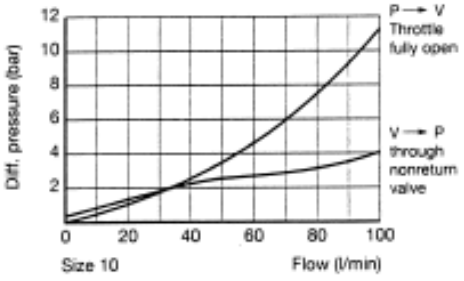
Size
Size 6 = 6
Size 10 = 10

Seal type
NBR seals for mineral oil HL, HLP, to DIN 51524 = no desig.
FPM seals for HETG, HEES, HEPG to VDMA 24568 = E

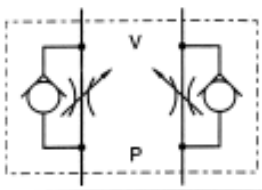
Performance curves

Δ p - Q Performance curves of the flow in direction V to P (through the nonreturn valve with throttle closed) and in direction P to V (throttle in fully open position). Measured at t = 50 °C and υ = 32 mm²/s





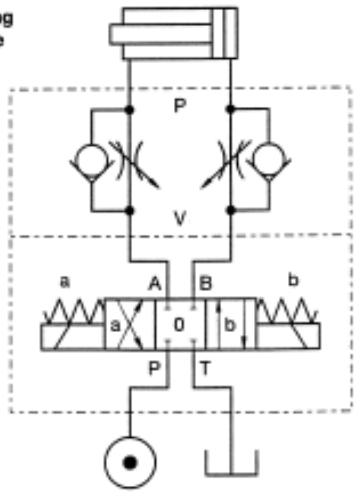
Symbol



Technical data

Size		6	10
Flow rate	l/min	60	100
Operating pressure	bar	315	315
Cracking pressure	bar	0,4	0,4
Oil temperature range	°C	-20 to +70	-20 to +70
Viscosity range	mm²/s	15 to 380	15 to 380
Filtration	NAS 1638	9	9
Mass	kg	1,45	3,3

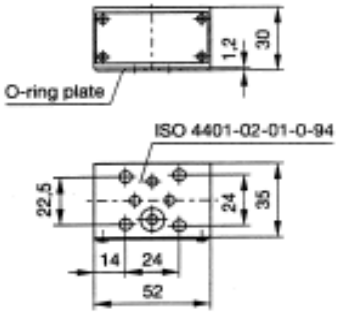
Mounting example



VP-NV-4, VP-NOV-4

CHECK VALVE type VP-NV-4

Dimensions (mm)



Ordering code

VP-NV-4 - - - *

- To be fitted into line
- Seal type
- Special requirements to be briefly specified

To be fitted into line ...

- To be fitted into line P =P
- To be fitted into line T =T

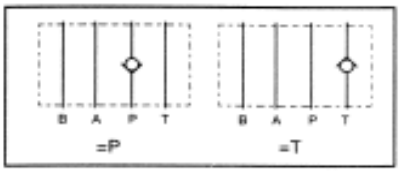
Seal type

- NBR seals for mineral oil HL, HLP, to DIN 51524 =no design.
- FPM seals for HETG, HEES, HEPG to VDMA 24568 =E

Technical data

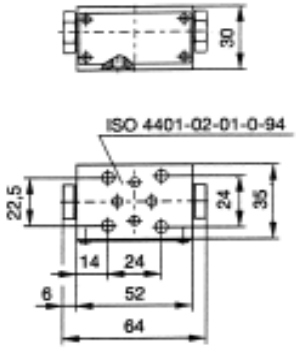
Size		4
Flow rate	l/min	20
Operating pressure	bar	315
Cracking pressure	bar	1
Masse	kg	0,35

Symbol



CHECK VALVE type VP-NOV-4

Dimensions (mm)



Ordering code

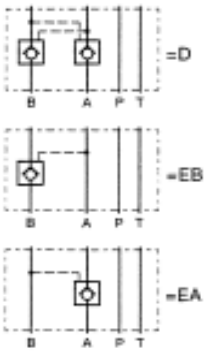
VP-NOV-4 - - - *

- Check valve in port
- Seal type
- Special requirements to be briefly specified

Seal type

- NBR seals for mineral oil HL, HLP, to DIN 51524 =no design.
- FPM seals for HETG, HEES, HEPG to VDMA 24568 =E

Check valve in port (Symbol)



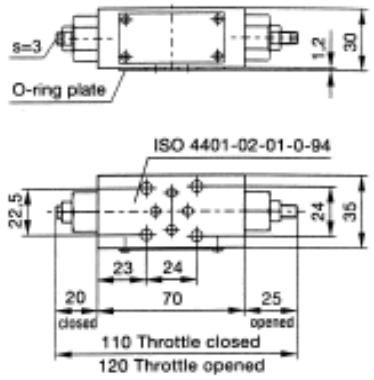
Technical data

Size		4
Flow rate	l/min	20
Operating pressure	bar	315
Cracking pressure	bar	1
Area ratio		3
Masse	kg	0,40

VP-NDV-4, VP-TS-4-4

THROTTLE/CHECK VALVE type VP-NDV-4

Dimensions (mm)



Ordering code

VP-NDV-4 - - *

Seal type

Special requirements to be briefly specified

Seal type

- NBR seals for mineral oil HL, HLP, to DIN 51524 =no design.
- FPM seals for HETG, HEES, HEPG to VDMA 24568 =E

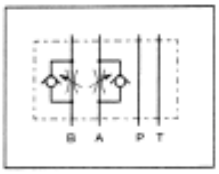
Technical data

Size		4
Flow rate	l/min	20
Operating pressure	bar	315
Cracking pressure	bar	1
Mass	kg	0,55

Assembly Instructions

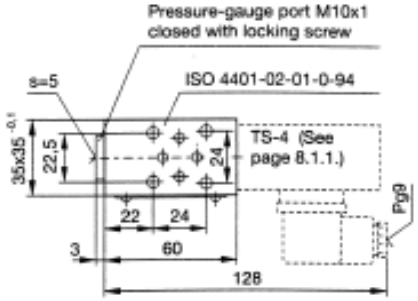
With these valves there can be throttling of the hydraulic fluid flow in return line or supply line achieved. Direction of throttling can be selected by turning the instalation position of the valve around the longitudinal axis. The O-ring plate is always mounted on the subplate side.

Symbol



STACKING SANDWICH PLATE type VP-TS-4-4 FOR PRESSURE SWITCH

Dimensions (mm)



Ordering code

VP-TS-4 - - - *

Signal TS-4 pressure switch from line...

Seal type

Special requirements to be briefly specified

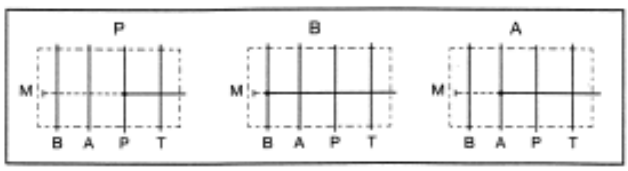
Signal TS-4 pressure switch from line...

A =A
B =B
P =P

Seal type

- NBR seals for mineral oil HL, HLP, to DIN 51524 =no design.
- FPM seals for HETG, HEES, HEPG to VDMA 24568 =E

Symbol



Technical data

Size		4
Flow rate	l/min	20
Pressure	bar	315
Mass	kg	0,55