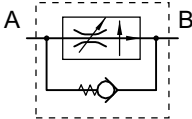
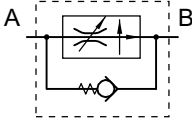
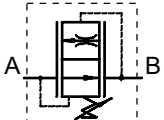
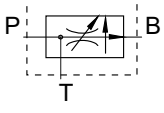
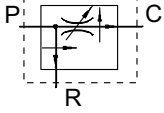
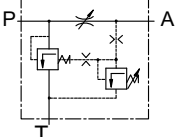
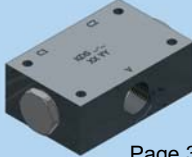
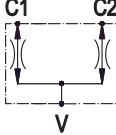




**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

FLOW CONTROL VALVES

 Page 3.1	RD2 .. 
 Page 3.2	RD2- .. N 
 Page 3.3	SB ... 
 Page 3.4	VRF C3/.../.. 
 Page 3.5	VRF C3C/.../.. 
 Page 3.6	VRF C3/V/.../.. 
 Page 3.7	KDS.../.. 

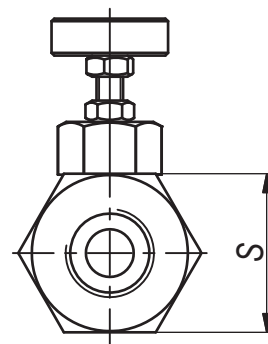
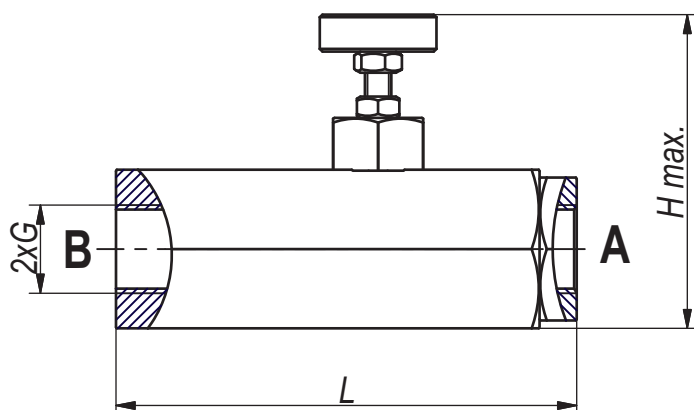
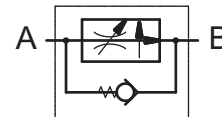
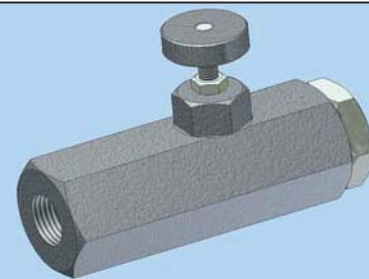


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

FLOW CONTROL VALVE

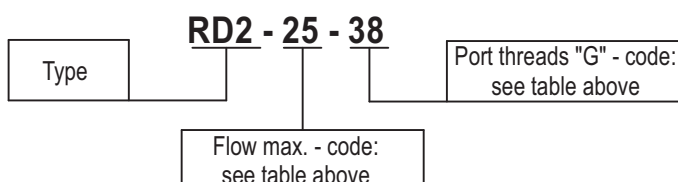
RD2 ..



Type	P _{max.} bar	Q _{max.} L/min	Q _{min.} L/min	L mm	H mm	G	S mm
RD2-10	250	10	1	83	54	G1/4	30
RD2-25		25	1,5	87	60	M18x1,5	30
RD2-25-38		25	1,5	87	60	G3/8	30
RD2-40		40	1,5	87	70	G3/8	36
RD2-40-12		40	1,5	101	70	G1/2	32

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C .
Temperature range: -20°C...+80°C
Filtration absolute: 15 µm

ORDERING CODE



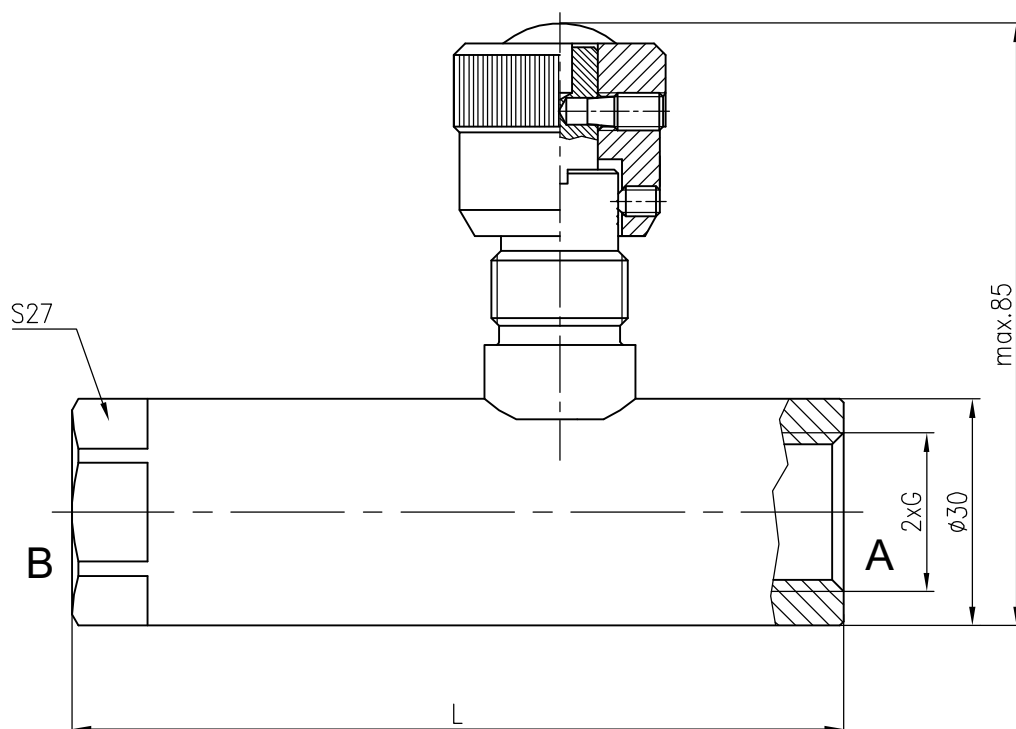
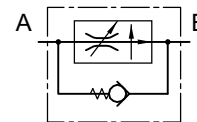


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

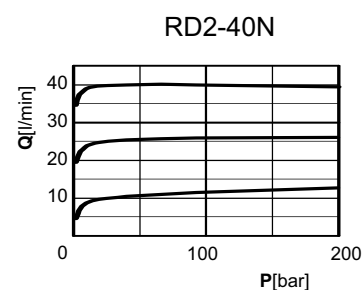
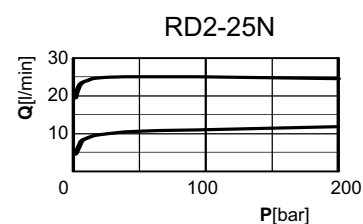
FLOW CONTROL VALVE

RD2 - .. N



Type	Q _{max} L/ min	Q _{min.} L/ min	P _{max.} bar	L mm	G
RD2-25N	25	2	200	92	G3/ 8"
RD2-40N	40	3		102	G1/ 2"

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50 °C .
Temperature range: -20 °C...+80 °C.
Filtration absolute: 25 µm



ORDERING CODE

Type

RD2 - 25 N

Body material - code:
inox - **N**

Flow max - code:
see table above



**Hidro
Pnevmo
Tehnika**

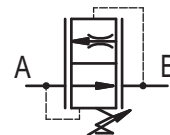
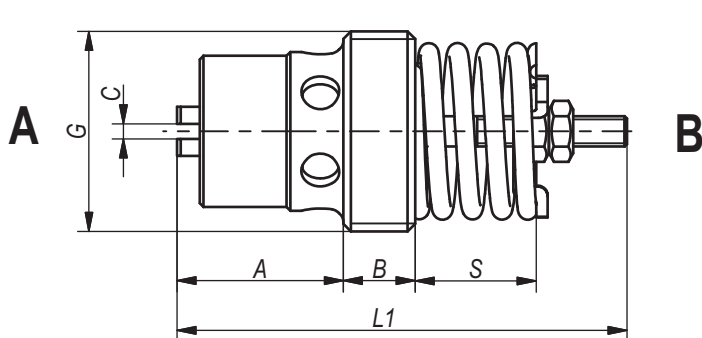
3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

ADJUSTABLE FLOW-LIMITING VALVE

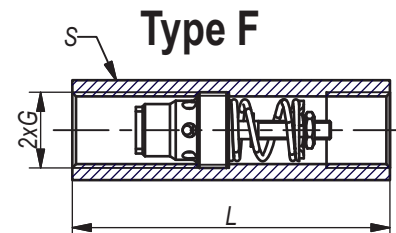
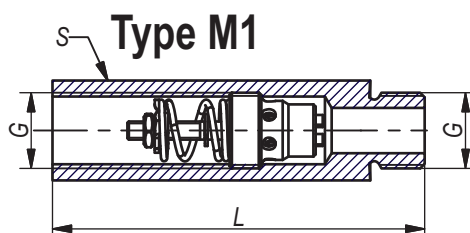
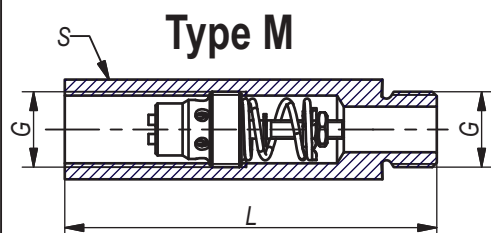
SB



Type C



Type	Flow rate range	Setting range for S	Working pressure range	L1	A	B	C	G
	<i>L/min.</i>	<i>mm</i>	<i>bar</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	
SB 11 C	2,5...4	9,5...14,5	15...320	43	13,5	7	1,2	G3/8
SB 13 C	4...6,3							
SB 15 C	6,3...10							
SB 17 C	10...16							
SB 19 C	16...25							
SB 21 C	16...21	13...18,5		49	16	8	2	G1/2
SB 23 C	21...28							
SB 25 C	28...37							
SB 27 C	37...50							
SB 29 C	50...67							
SB 31 C	37...50	16...22		61	21	10	2	G3/4
SB 33 C	50...67							
SB 35 C	67...90							
SB 37 C	90...120							
SB 39 C	120...150							



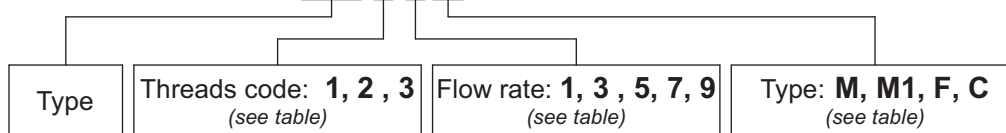
All performances and calibration
are carried out by using
hydraulic oil with
viscosity approx. 46 cSt at 50°C
Temperature range: -20...+80°C
Filtration absolute: 25 μ m

Type	G	L	S
		<i>mm</i>	<i>mm</i>
SB ... M(M1)	G3/8	82	22
SB ... M(M1)	G1/2	96	27
SB ... M(M1)	G3/4	106	36

Type	G	L	S
		<i>mm</i>	<i>mm</i>
SB ... F	G3/8	70	22
SB ... F	G1/2	80	27
SB ... F	G3/4	100	36

ORDERING CODE

SB 1 1 C



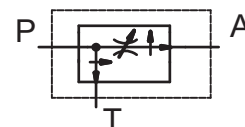


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

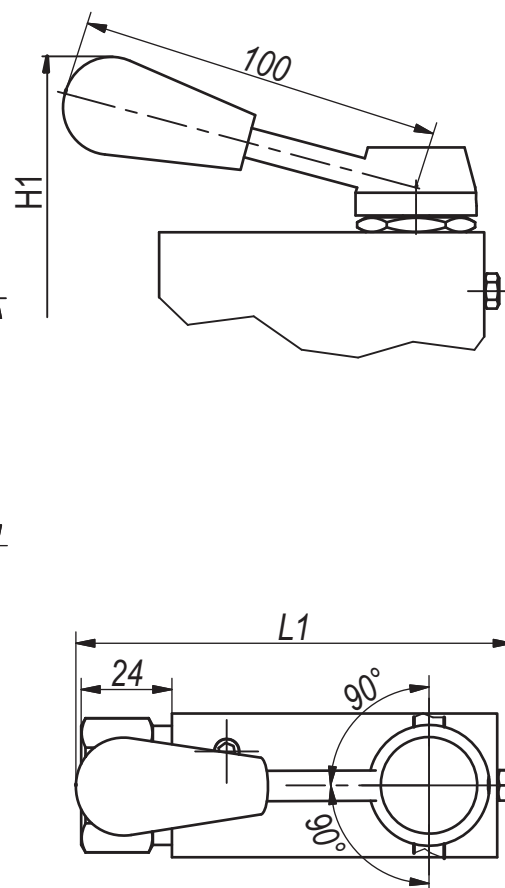
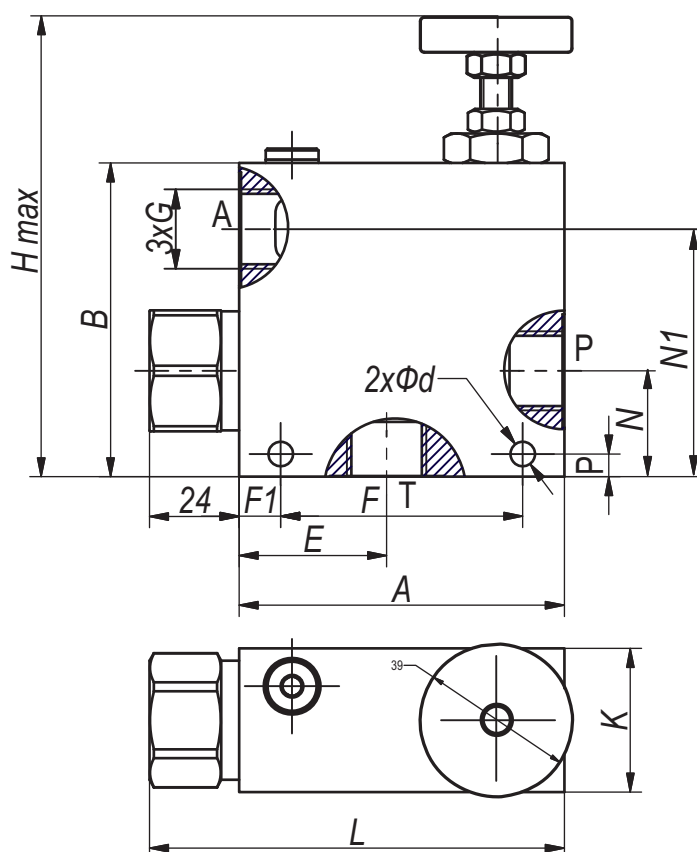
FLOW CONTROL VALVE THREE-WAY

VRF C3/./..



VRF C3/V/..

VRF C3/L/..



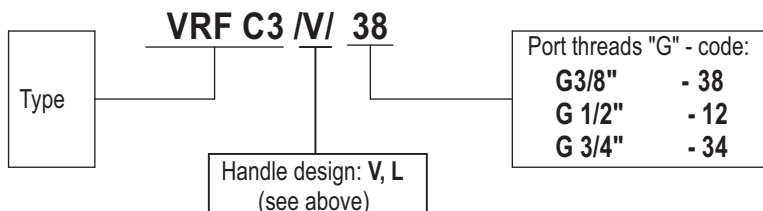
Type	P _{max.}	Q _{min.}	Q _{max.} [L/min]		G	A	B	E	F	F1	N	N1	P	K	H	H1	L	L1	d
	bar	L/min	At port P	At port A		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
VRF C3/./38	250	2	50	30	G3/8"	86	83	39	64	11	28	65,5	6	38	126	129	110	115	6,5
VRF C3/./12			80	50	G1/2"														
VRF C3/V/34			120	70	G3/4"	91	110	39	75	8	34	87,5	7	50	151	-	115	-	8,5
VRF C3/L/34						95				10	35				-	160	-	129	

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C .

Temperature range: -20°C...+80°C

Filtration absolute: 25 µm

ORDERING CODE



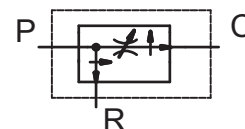
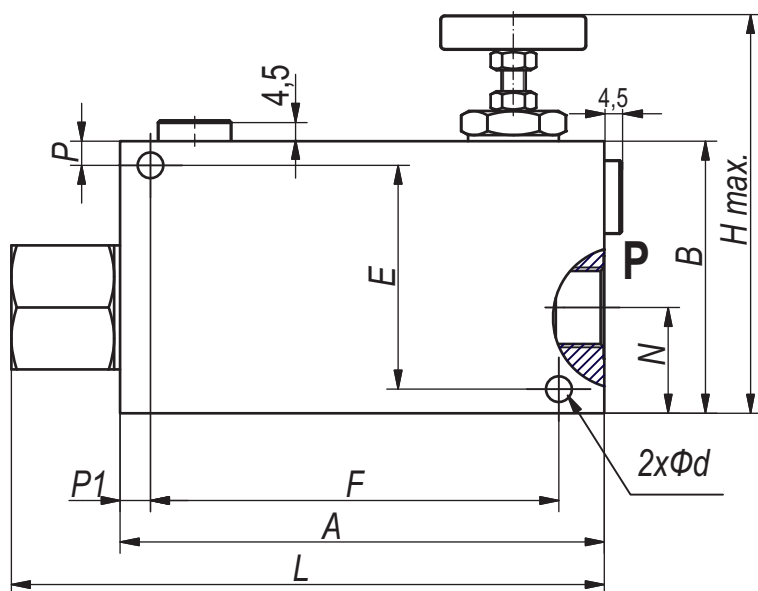
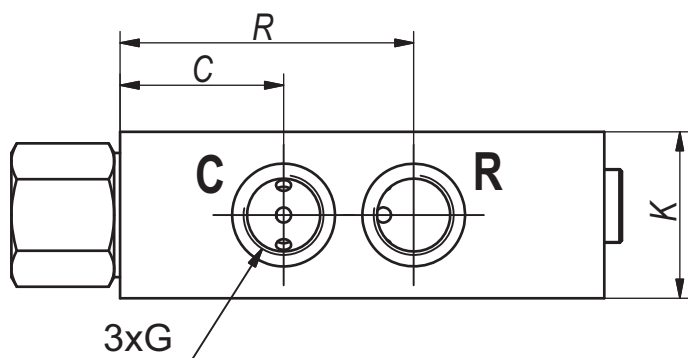
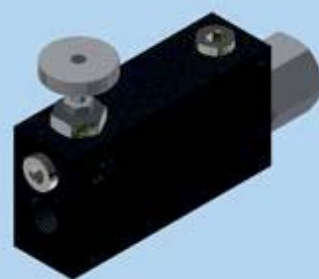


**Hidro
Pnevmo
Tehnika**

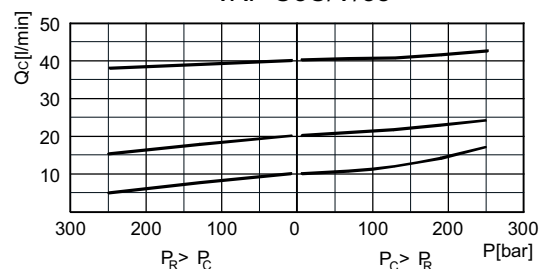
3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

FLOW CONTROL VALVE THREE-WAY

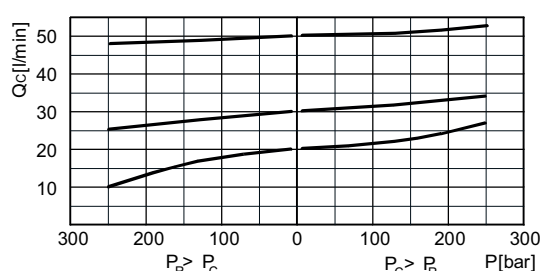
VRF C3C/V/..



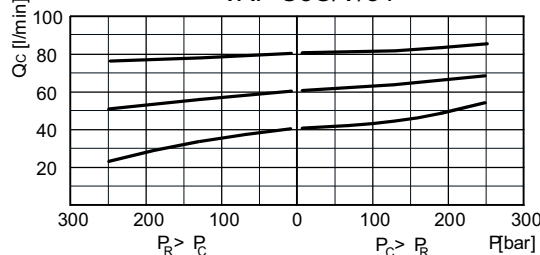
VRF C3C/V/38



VRF C3C/V/12



VRF C3C/V/34



Type	P _{max} bar	Q _{min} L/min	Q _{max} [L/min.]		G	A	B	C	E	F	P1	P	K	N	R	H	L	d
			At port P	At port C		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
VRF C3C/V/38	250	2	60	40	G3/8"	134	70	45	58	114	6	6	40	28	82	113	171	6,5
VRF C3C/V/12			90	50	G1/2"	160	90	54	74	135	8	8	55	35	97	140	196	8,5
VRF C3C/V/34			165	90	G3/4"													

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C.
Temperature range: -20°C...+80°C
Filtration absolute: 15 µm

ORDERING CODE

VRF C3C/V/ 38

Type

Port threads "G" - code:

G3/8" - 38
G 1/2" - 12
G 3/4" - 34

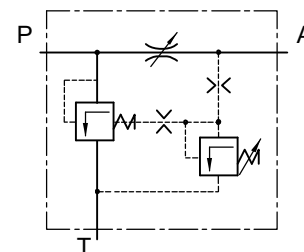
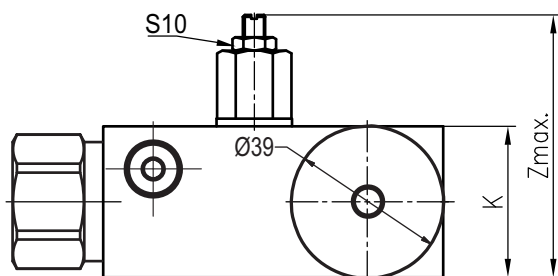
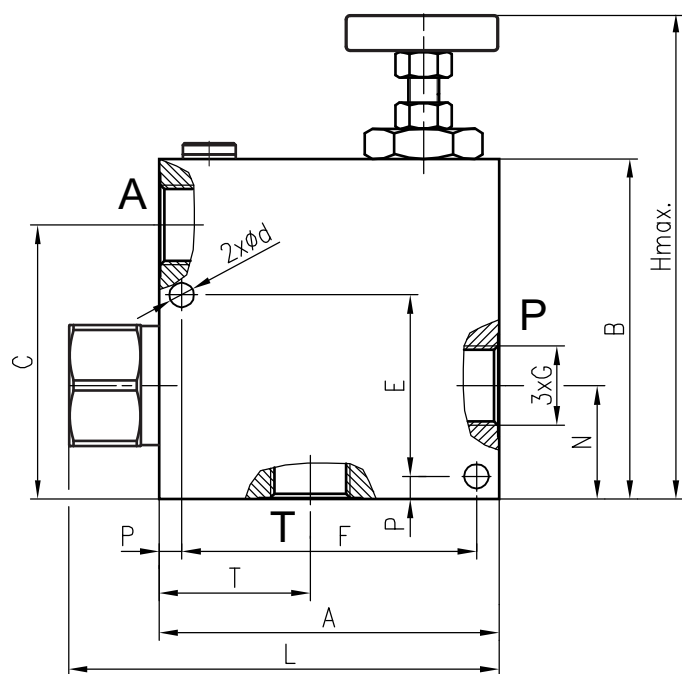


**Hidro
Pnevmo
Tehnika**

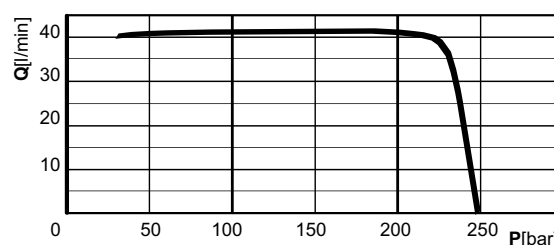
3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

FLOW CONTROL VALVE THREE-WAY

VRF C3/V/VS ..



VRF C3/V/VS38
VRF C3/V/VS12



Type	P _{max.} bar	Q _{min.} L/min	Adj. pressure range bar	Q _{max} (L/min)	
				At port P	At port A
VRF C3/V/VS38	250	2	20...250	60	40
VRF C3/V/VS12				90	50
VRF C3/V/VS34				150	90

Type	G	A	B	C	E	F	N	P	K	H	L	d	Z	T
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
VRF C3/V/VS38	G 3/8"	90	90	72,5	48	78	30	6	40	133	110,5	6,5	71	40
VRF C3/V/VS12	G 1/2"													
VRF C3/V/VS34	G 3/4"	110	110	85	55,5	94	35	8	49	168	145	8,5	80	44

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C.
Temperature range: -20°C...+80°C. Filtration absolute: 25µm
Valve setting pressure: 15...20 bar over the working pressure.

ORDERING CODE

VRF C3/V/VS 38

Type

Port threads "G"- code:

G3/8" - 38
G1/2" - 12
G3/4" - 34

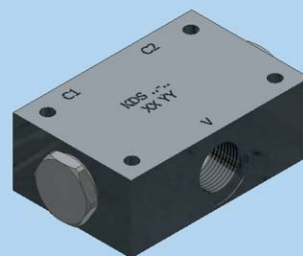


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

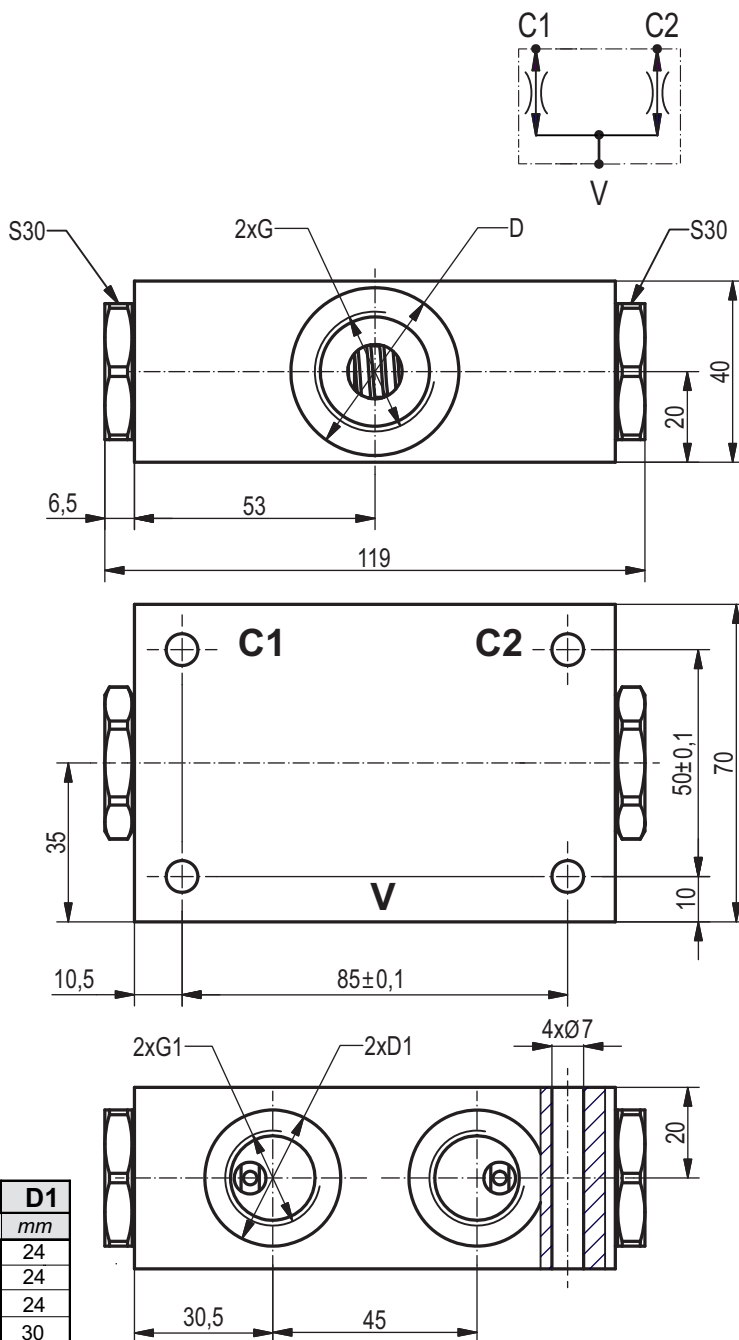
DIVIDING AND COMBINING VALVES

KDS...- ..



These valves provide division of inlet flow "V" into two equal parts "C1" and "C2", and recombination of the equal flows in the reverse direction "C1" and "C2" to "V". They are pressure compensated in order to maintain the divided and/or recombined flow constant, largely independent from the inlet "V" port, and the pressure differences at the actuators.

In order to provide limited slipping $\pm 5\%$ together with minimized pressure losses, the valves are calibrated for different flow ranges.



Type	P _{max.} bar	Q _{min...} Q _{max.} L/min	G	D	G1	D1
KDS 38-08	250	1...8	G 3/8"	24	G 3/8"	24
KDS 38-20		8...20	G 3/8"	24	G 3/8"	24
KDS 12-40		20...40	G 1/2"	30	G 3/8"	24
KDS 34-90		40...90	G 3/4"	37	G 1/2"	30

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C.
Temperature range: -20°C...+80°C. Filtration absolute: 25µm
Valve setting pressure: 15...20 bar over the working pressure.

ORDERING CODE

KDS - 38 - 40

Type

Port threads "G"- code:

G3/8" - 38
G1/2" - 12
G3/4" - 34

Q_{min}-Q_{max} - code:

1...8 - 08
8...20 - 20
20...40 - 40
40...90 - 90