



FLOW CONTROL VALVE TVTP-...-B-...

- NG 6, 10
- Up to 350 Bar [5076 PSI]
- Up to 90 l/min [23,78 GPM]
- Three-way pressure compensated.
- Operating element: rotary knob.
- For independent fitting into a block.

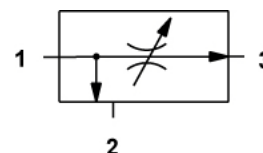


TVTP-...-B-...

Operation

TVTP three-way flow regulators are used to regulate the priority flow in outlet 3 to a maximum adjustable level largely independent of the load and pressure conditions. The surplus flow is diverted to the bypass port 2. The bypass flow may be used for a secondary circuit. Whether the pressure in secondary circuit is higher than the regulated pressure the valve works as two-way regulator.

Hydraulic symbol

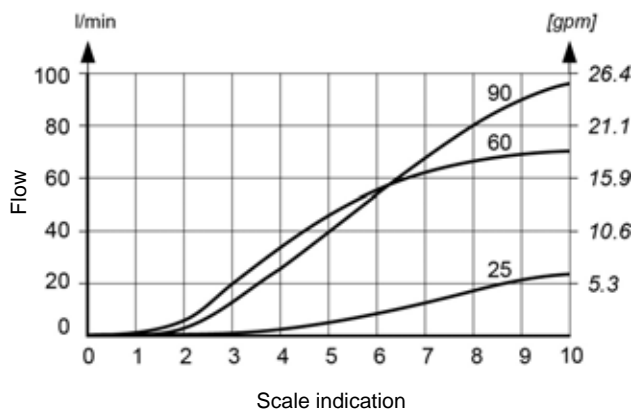


Features

Type		TVTP-25-B	TVTP-60-B	TVTP-90-B
Rated flow 3	l/min [GPM]	25 [6,60]	60 [15,85]	90 [23,78]
Flow rate 1 max.	l/min [GPM]	60 [15,85]	90 [23,78]	150 [39,63]
Operating pressure max.	Bar [PSI]	350 [5076]		
Oil temperature range	°C [°F]	-20 to +70 [-4 to +158]		
Viscosity range	mm ² /s [SUS]	15 bis to 380 [69,5 to 1760]		
Filtration		NAS 1638		8
Mass	kg [lbs]	0,6 [1,32]		1 [2,20]

Flow rate as a function of scale indication

Measured at 50°C [122°F] and viscosity of 32 mm²/s [148 SUS].



Throttle with Check valves

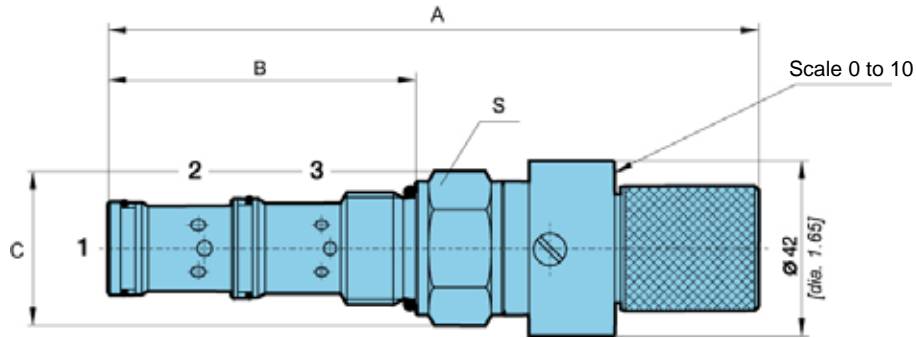
Flow control valves pressure compensated

Flow dividers



Dimensions

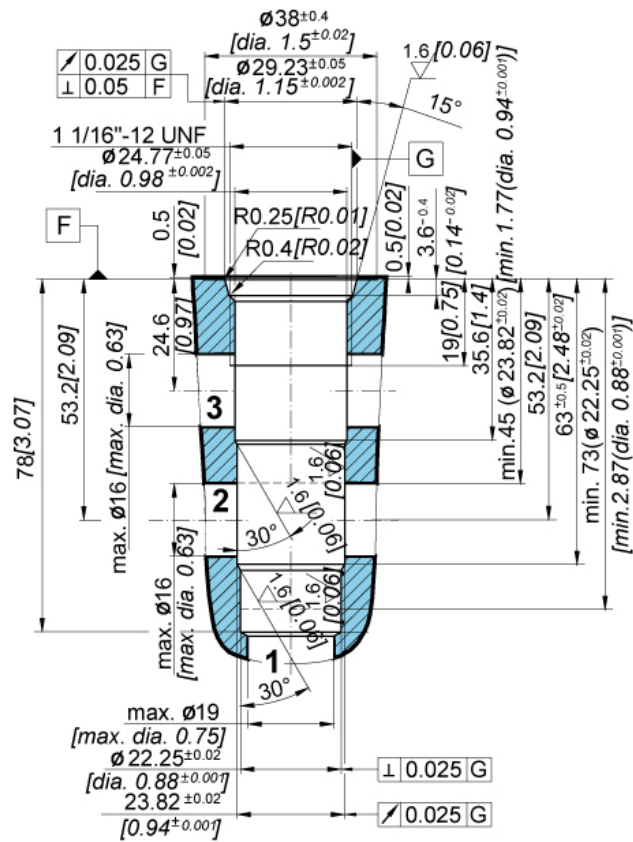
TVTP-...-B-...



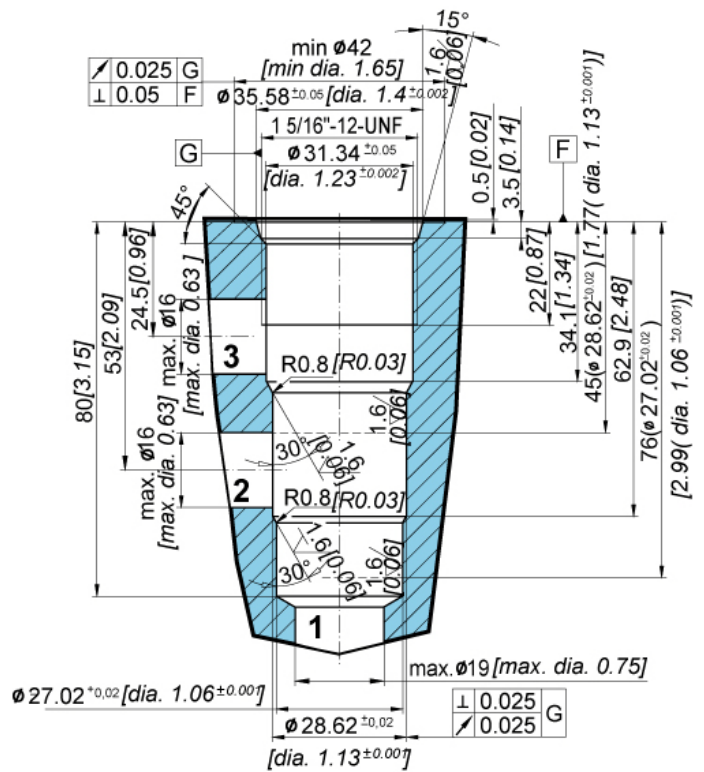
Typ	A mm [Zoll]	B mm [Zoll]	C mm [Zoll]	S	Torque into Cavity Nm [in.lbf]
TVTP-25-B	155 [6,10]	73,5 [2,83]	37 [1,46]	S32	60 - 65 [531 - 575]
TVTP-60-B	176 [6,93]	75 [2,95]	46 [1,81]	S41	70 - 75 [619 - 664]

Dimensions of cavity

TVTP-25, TVTP-60

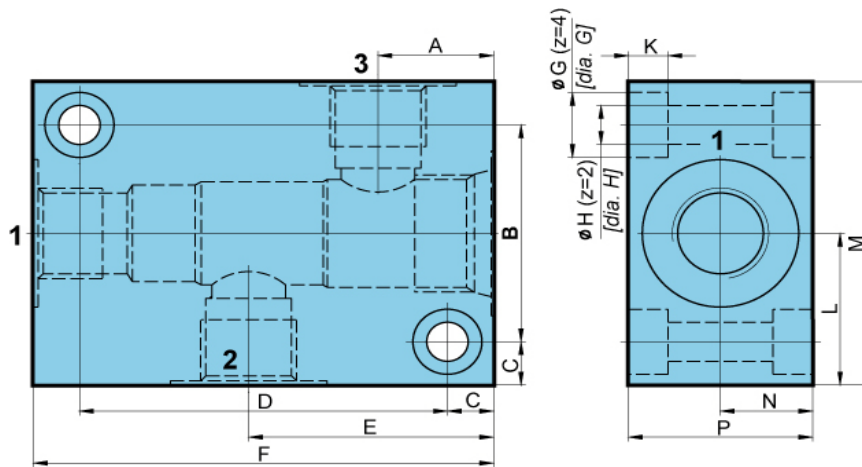


TVTP-90





Standard ported body - steel

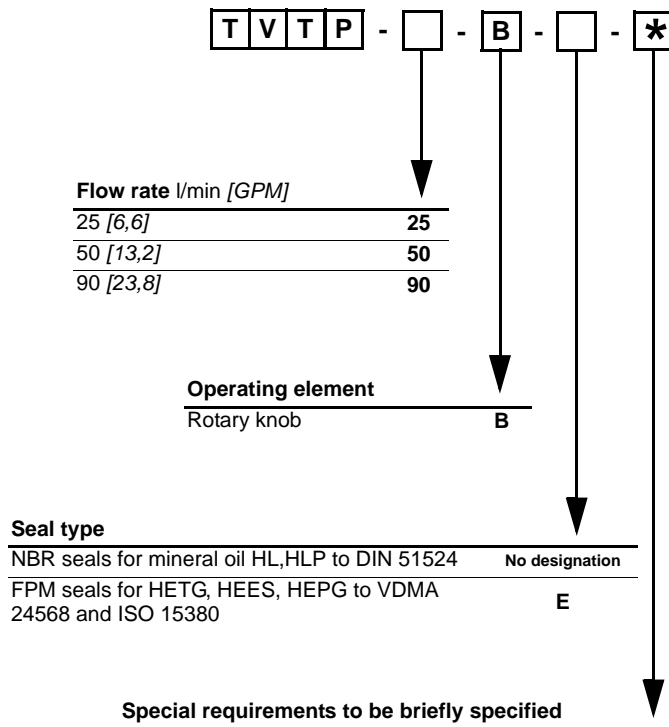


	P-TVTP-50 mm [Zoll]	P-TVTP-90 mm [Zoll]
A	25,1 [0,99]	25 [0,98]
B	50 [1,97]	65 [2,56]
C	10 [0,40]	15 [0,59]
D	80 [3,15]	80 [3,15]
E	53,2 [2,10]	53,5 [2,11]
F	100 [3,94]	110 [4,33]
G	15 [0,59]	17 [0,67]
H	9 [0,35]	11 [0,43]
K	8,6 [0,34]	10,6 [0,42]
L	35 [1,37]	47,5 [1,87]
M	70 [2,75]	95 [3,74]
N	20 [0,78]	26 [1,02]
P	40 [1,57]	52 [2,05]
U	G 1/2	G 1

Threaded connections to ISO 1179-1.

Throttle with Check valves

Model code



Flow control valves pressure compensated

Flow dividers