

Throttle Check Valve

TV SERIES

INTRODUCTION

TV Series throttle valves are designed to control the flow of hydraulic fluid going through them. The valves are fitted with a control knob that allows the user to adjust the flow according to their needs.

This valve is suitable for any type of hydraulic system using non-corrosive mineral-based liquids that are not highly viscous.

APPLICATIONS

Agricultural, construction, machine tools, mobile hydraulics, general hydraulics and test equipment.

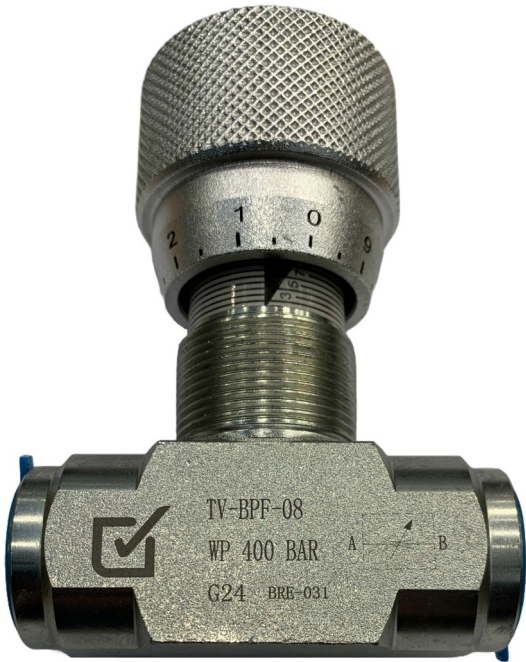
MATERIALS

Carbon steel with zinc plating

TECHNICAL DETAILS

Bi-directional flow.

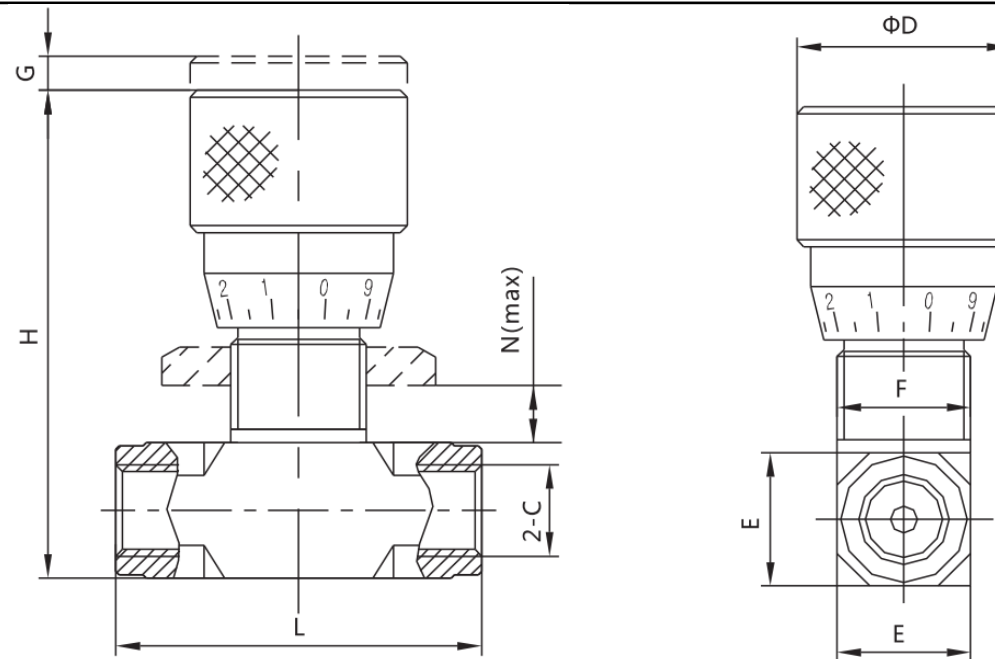
Ideal Operating temperatures: -40°C to 70°C (90°C max)
(Environment temperature: -20°C to 60°C)



Performance Characteristics	Valve Size				
	1/4"	3/8"	1/2"	3/4"	1"
Maximum Working Pressure	400 Bar	400 Bar	400 Bar	400 Bar	320 Bar
	5800 PSI	5800 PSI	5800 PSI	5800 PSI	4600 PSI
Maximum Flow	12 L/min	30 L/min	50 L/min	85 L/min	150 L/min
	3.2 GPM	7.9 GPM	13.2 GPM	22.5 GPM	40 GPM



Dimensions



Part Number	Body Size	C (thread)*	D	E (AF)	F (dial thread)	G	H	L	N
TV-BPF-04	1/4"	1/4 BSPP F	32	20	M20 x 1	5	72	54	7
TV-BPF-06	3/8"	3/8 BSPP F	32	25	M25 x 1.5	9	80	62	7
TV-BPF-08	1/2"	1/2 BSPP F	45	30	M30 x 1.5	9	92	73	9
TV-BPF-12	3/4"	3/4 BSPP F	45	40	M35 x 1.5	10	100	84	11
TV-BPF-16	1"	1-0 BSPP F	45	45	M40 x 1.5	12	122	102	15

* BSP threads are standard. NPT thread available on request.

All dimensions in mm unless otherwise stated. Dimensions shown are for guidance only, if critical contact FCL staff.