Shuttle valves type WV and WVC

Shuttle valves are stop valves with two inlets and one outlet. There is a ball in the inside of the valve, which can travel from one inlet to the other. It will automatically block the one inlet with the lower pressure. This way the higher inlet pressure is automatically led to the outlet port.

The version for pipe connection is incorporated in a T-fitting. The WVC version is designed as an insert valve.

Features and benefits:

- Max. pressure 700 bar
- Insert and housing versions

Intended applications:

- For Load-Sensing systems
- Often in mobile hydraulics

Nomen-clature:	Shuttle valve
Design:	Individual valve for pipe mounting Valve insert Screw-in valve
p_{max}:	700 bar
Q_{max}:	6 ... 150 lpm

Design and order coding example

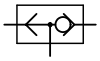
WV 10 - S

Design
- High pressure version (S)
- Low pressure version (L)

Basic type, size
Type WV for pipe connection, size 6 to 18
Type WVC and WVH as cartridge valve, size 1

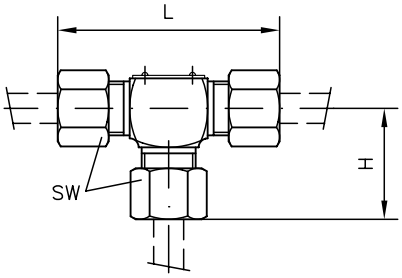
Function

WV, WVC, WVH

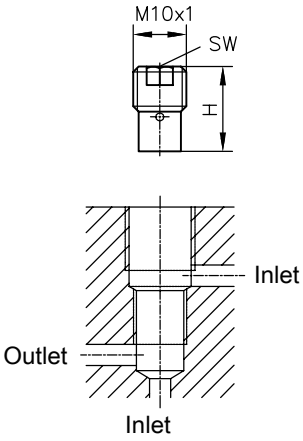


General parameters and dimensions

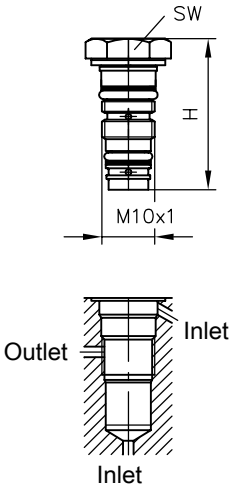
WV..



WVC 1



WVH 1



	Q_{max} [lpm]	p_{max} [bar]	External pipe ∅ [mm]	Mounting thread	Dimensions [mm]			m [g]
					L	H	SW = a/f	
WV 6 - S	6	700	6	-	62	31	SW 17	120
WV 8 - S	15		8		64	32	SW 19	170
WV 10 - S	25	500	10		68	34	SW 22	225
WV 12 - S	40		12		76	38	SW 24	290
WV 14 - S	60		14		80	40	SW 27	320
WV 16 - S	100		16		86	43	SW 30	390
WV 18 - L	150	315	18		80	40	SW 32	340
WVC 1	6		-	M 10 x 1	--	16	SW 5	7
WVH 1	3	700	-	M 10 x 1	--	28.5	SW 14	10

Associated technical data sheets:

- Shuttle valves type WV and WVC: D 7016

Similar products:

- Shuttle valves type WVH: **Sk 7962**