

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 type WV, which is for pipe connection, is integrated in a T-shaped standard pipe fitting. The version type WVC is designed as a screw-in valve.

Nomenclature: Shuttle valve

Design: Individual valve for pipe mounting
Screw-in valve

p_{max} : 700 bar

Q_{max} : 6 ... 150 lpm



Basic types and general parameters

Basic type and size	Flow Q_{max} (lpm)	Oper. pressure p_{max} (bar)	External pipe \varnothing	Mounting thread	Symbol
WV 6 - S	6	315	6		
WV 8 - S	15		8		
WV 10 - S	25		10		
WV 12 - S	40		12		
WV 14 - S	60		14		
WV 16 - S	100		16		
WV 18 - L	150		18		
WVC 1	6	315	--	M 10 x 1	
WVH 1	3	700	--	M 10 x 1	

Additional versions

- Screw-in shuttle valve type WVC 11 with thread seal

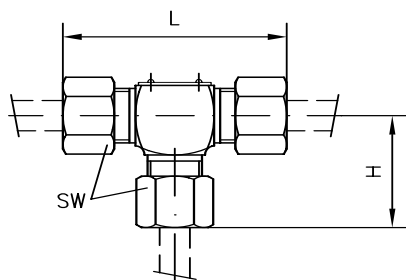
Order example

WV 10 - S

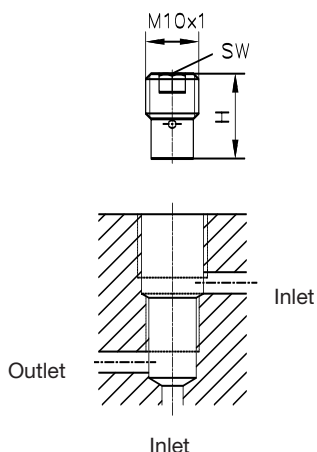
Shuttle valve suited for pipe diameter 10 mm, heavy duty version (coding S)

Dimensions

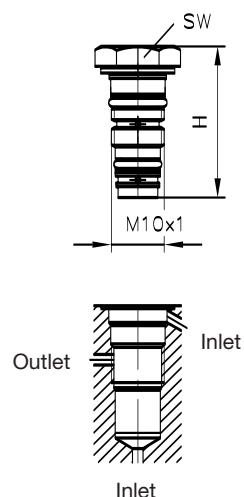
Type WV ..



Type WVC 1



Type WVH 1



Basic type	L	H	SW	m (g)
WV 6 - S	62	31	a/f 17	120
WV 8 - S	64	32	a/f 19	170
WV 10 - S	68	34	a/f 22	225
WV 12 - S	76	38	a/f 14	290
WV 14 - S	80	40	a/f 17	320
WV 16 - S	86	43	a/f 30	390
WV 18 - L	80	40	a/f 32	340
WVC 1	--	16	a/f 5	7
WVH 1	--	28.5	a/f 14	10

All dimensions in mm, subject to change without notice!

Further information

- Shuttle valves type WV, WVC, and WVH

D 7016

- See also section “Devices for special applications” (Screw-in valves and installation kits)

For page and section of the devices additionally listed, see type index