Shuttle valves type WV and WVC

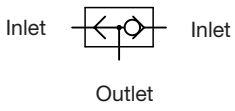
Shuttle valves are stop valves with two inlets and one outlet. There is a ball in the inside of the valve, which can travel from one inlet to the other. It will automatically block the one inlet with the lower pressure. This way the higher inlet pressure is automatically led to the outlet port.
The version 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 Valve insert 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 Ø	Mounting thread
WV 6 - S	6		6	
WV 8 - S	15		8	
WV 10 - S	25	315	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

Symbol



Additional versions

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

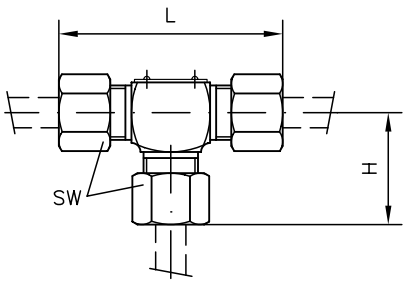
Order example

WV 10 - S

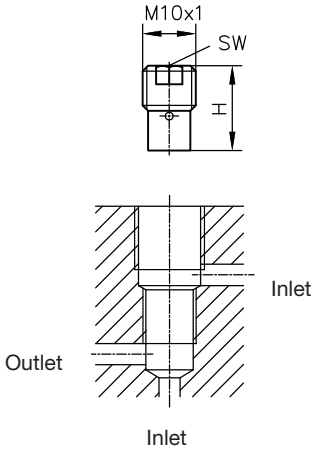
Shuttle valve suited for pipe diameter 10 mm, heavy duty version (coding S)

Dimensions

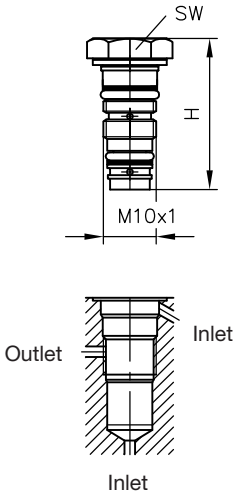
Type WV ..



Type WVC 1



Type WVH 1



SW = a/f

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
  type WVH Sk 7962
- 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