

MODELS	DESCRIPTION
VSS6	Motorized ball valve, 2-way, DN 1"1/2; Kvs 120 m³/h
VSS8	Motorized ball valve, 2-way, DN 2"; Kvs 220 m³/h
VSD5	Motorized ball valve, 3-way, DN 1"1/4; Kvs 19,2 m³/h
VSD6	Motorized ball valve, 3-way, DN 1"1/2; Kvs 27,7 m³/h
VSD8	Motorized ball valve, 3-way, DN 2"; Kvs 57 m³/h



APPLICATION AND USE

For use in heating, ventilation, heating systems, air conditioning systems.

Available in 2 and 3 way threaded connections, both provided with on/off actuator MVS216 and MVS416 using flange kit ISO 5211 F03/F05.

The substances admitted are belonging at the following categories:

- water, from -15°C to +110°C
- below 0°C only for water with antifreeze additive
- over 100°C only with additives that prevent boiling
- mixtures of ethylene glycol or propylene glycol > 20% and up to 50%

Not suitable for gas 1 and group 2, group 1 liquids (Dir. 2014/68/UE)

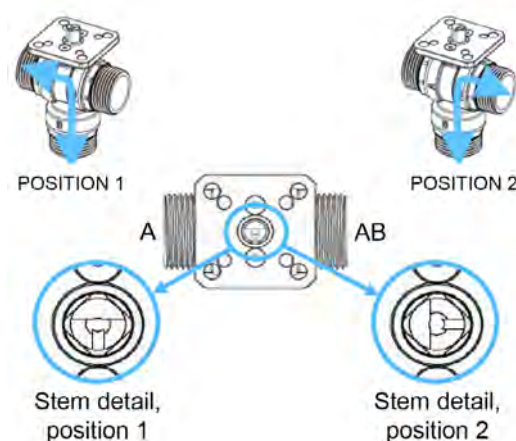
TECHNICAL CHARACTERISTICS

Body: PN 40
Construction: Pmax 16 bar
Materials: **Body** Brass (EN-12165 CW617N)
Seat PTFE
Ball Chrome plated Brass (EN-12164 CW617N)
Sealing leakage: Tight close-off
Connections: Female threaded
Actuator connection: ISO 5211 F03/F05

OPERATION

VSD are diverting valves with the following directions of flow.

VALVE	STEM POSITION 1	STEM POSITION 2
2-way	open	closed
3-way	open B - A	open B - AB



TYPE	MODELS	DN	Kvs [m³/h]	THREADED	P max	ACTUATORS	FLUID TEMP.		ΔP
							MIN	MAX	
2-way	VSS6	1"1/2	120	FF	16 bar	MVSx16 (16 Nm)	-15° C	+110° C	3,5 bar
	VSS8	2"	220	FF					
3-way	VSD5	1"1/4	19,2	MMM					
	VSD6	1"1/2	27,7	FFF					
	VSD8	2"	57	FFF					

INSTALLATION RECOMMENDATIONS

Operating conditions

Temperature, nominal pressure and differential pressure on the valve must be within in the specified value.

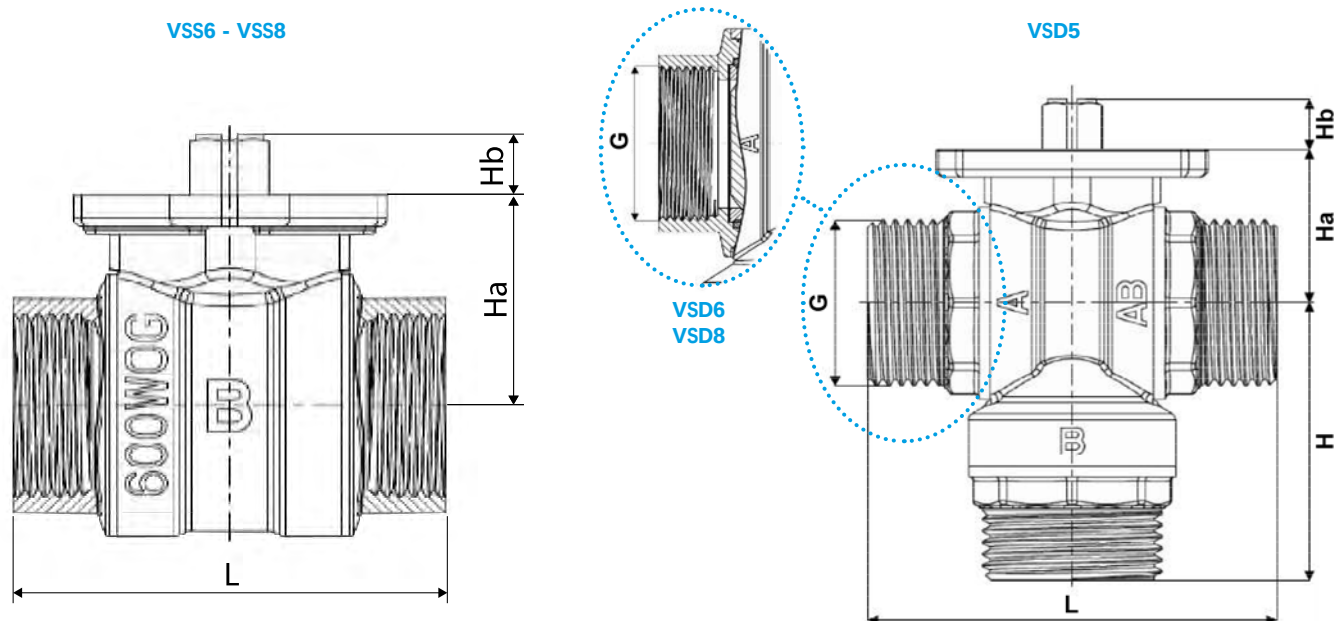
Pipe Flushing

An anomalous valve flow action is caused, in almost all cases, by weld slag or foreign bodies entrapped between the valve seat and the plug, often causing damages.

To prevent such inconveniences, it is advisable to use filters upstream of the valve.

Moreover, the pipelines must be thoroughly washed by positioning the valve stem at half stroke; this operation must be performed before start-up and after a prolonged shutdown of the system.

DIMENSIONS [mm]



TYPE	MODELS	DN	G	L	H	Ha	Hb
2-way	VSS6	1"1/2	1"1/2	96	-	52,8	11
	VSS8	2"	2"	113	-	60,5	11
3-way	VSD5	1"1/4	1"1/2	102	76,8	39,8	10
	VSD6	1"1/2	1"1/2	96	77	52,8	11
	VSD8	2"	2"	113	92,3	60,5	11

The performances stated in this sheet can be modified without any prior notice

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