

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.

Thanks to the characterized plug, the modulating models full fit the equal percentage characteristic.

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%

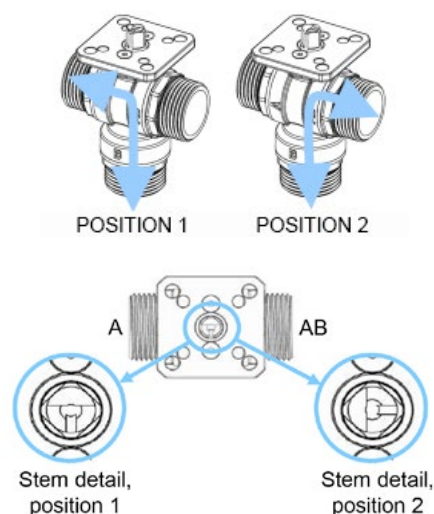
Not suitable for gas 1 and group 2, group 1 liquids (Dir. 2014/68/UE)

TECHNICAL CHARACTERISTICS

Construction: PN 40
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

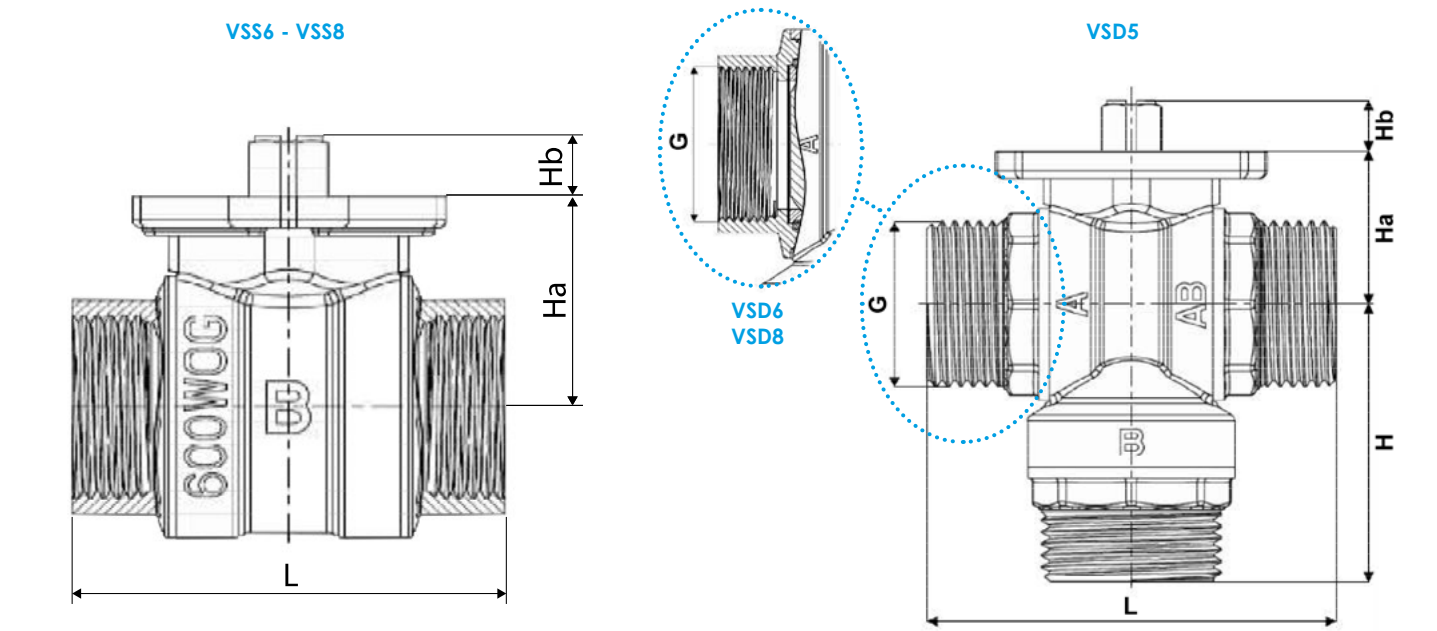
OPERATION

VSD are diverting valves with the following directions of flow.



TYPE	MODELS	DN	KVS [m³/h]	THREADED	PN	ACTUATORS	FLUID TEMP.		DELTA P
							MIN	MAX	
2-way	VSS6	1"1/2	120	FF	40	MVSx16 (16 Nm)	-15° C	+110° C	10 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					

Controlli S.p.A.
 16010 Sant'Olcese (GE)
 Tel. 010 73 06 1
 Fax. 010 73 06 870/871
www.controlli.eu



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