

VSS-VSD



2-/3-way Motorized Ball Valves Quick Connection

MODEL	DESCRIPTION
VSS2	Motorized ball valve, 2-way, DN 1/2"; Kvs 20 m ³ /h
VSS3	Motorized ball valve, 2-way, DN 3/4"; Kvs 45 m ³ /h
VSS4	Motorized ball valve, 2-way, DN 1"; Kvs 60 m ³ /h
VSS5	Motorized ball valve, 2-way, DN 1 1/4"; Kvs 100 m ³ /h
VSD3	Motorized ball valve, 3-way, DN 3/4"; Kvs 9,6 m ³ /h
VSD4	Motorized ball valve, 3-way, DN 1"; Kvs 11,3 m ³ /h



APPLICATION AND USE

For use in heating, ventilation, potable water (ACS France Certification), air conditioning systems, pneumatic systems and irrigation. Available in 2 and 3 way threaded connections, both provided with on/off actuator MVS210 and MVS410.

The substances admitted are belonging at the following categories:



- Water in mixtures of ethylene glycol or propylene glycol 40% max.

TECHNICAL CHARACTERISTICS

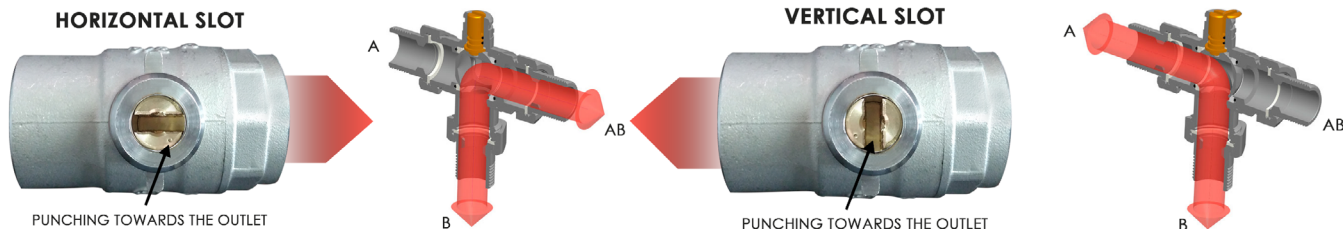
DESCRIPTION		2-WAY				3-WAY	
		VSS2	VSS3	VSS4	VSS5	VSD3	VSD4
Construction		PN 32					
Material	Body	Brass (EN-12165 CW617N)					
	Seat	PTFE					
	Ball	Chrome plated Brass (EN-12164 CW617N)					
Sealing leakage		Tight close-off					
Connections		UNI - ISO 228/1 threaded					
DN		1/2"	3/4"	1"	1 1/4"	3/4"	1"
Kvs [m ³ /h]		20	45	60	100	9,6	11,3
Threaded		FF				FFM	
PN		32					
Actuators		MVSx10 (10 Nm)					
Fluid temperature	Min.	-20° C					
	Max.	+130° C					
ΔP		10 bar					

OPERATION

VSD are diverting valves with the following directions of flow.

VALVE	HORIZONTAL SLOT 	VERTICAL SLOT 
2-way	Open	Close
3-way	Open B-AB	Open B-A

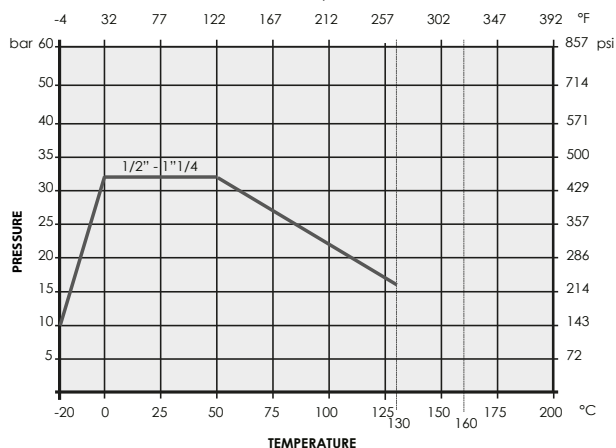
The performances stated in this sheet can be modified without any prior notice.



INSTALLATION RECOMMENDATIONS

Operating conditions

Temperature, nominal pressure and differential pressure on the valve must be within the values specified on the table.



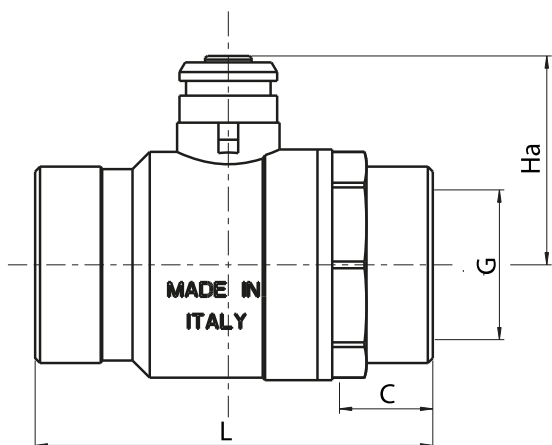
Pipe flushing

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.

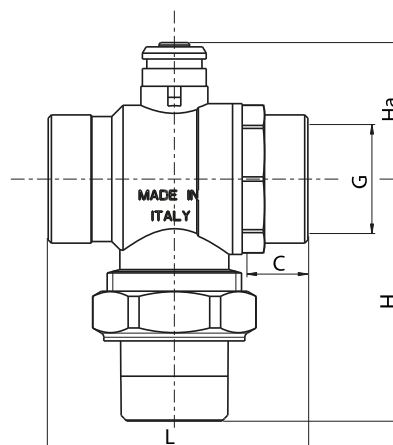
To prevent such inconveniences, it is advisable to use filters upstream of the valve. Moreover, the pipelines must be thoroughly washed by positioning the valve stem at half stroke; this operation must be performed before start-up and after a prolonged shutdown of the system.

DIMENSIONS [mm]

VSS2 - VSS3 - VSS4 - VSS5



VSD3 - VSD4



TYPE	MODELS	DN	G	L	C	H	Ha
2-way	VSS2	1/2"	1/2"	62	13	-	35
	VSS3	3/4"	3/4"	68	15	-	39
	VSS4	1"	1"	81	17	-	43
	VSS5	1 1/4"	1 1/4"	89	18	-	48
3-way	VSD3	3/4"	3/4"	68	15	70	39
	VSD4	1"	1"	81	17	75	43