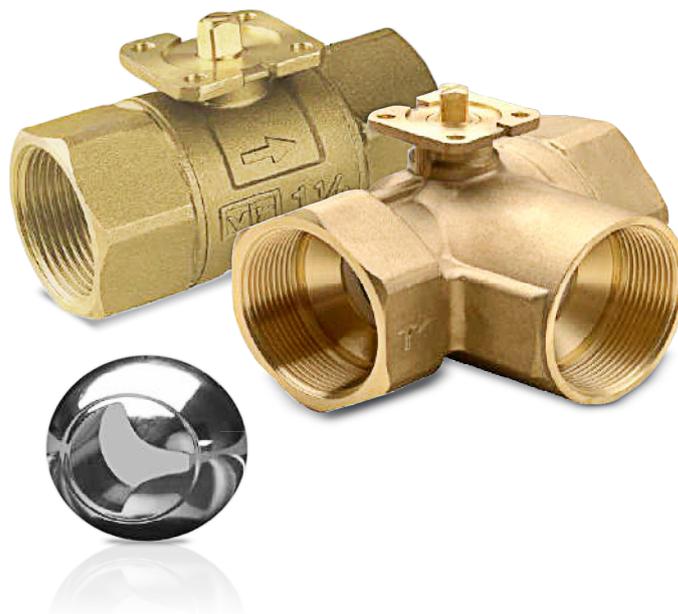


VSC-VDC

2-/3-way Motorized Ball Valves Modulating

MODELS	DESCRIPTION
VSC2	Motorized ball valve, 2-way, DN 1/2"; Kvs 4 m ³ /h
VSC3	Motorized ball valve, 2-way, DN 3/4"; Kvs 6,3 m ³ /h
VSC4	Motorized ball valve, 2-way, DN 1"; Kvs 10 m ³ /h
VSC5	Motorized ball valve, 2-way, DN 1"1/4; Kvs 16 m ³ /h
VSC6	Motorized ball valve, 2-way, DN 1"1/2; Kvs 25 m ³ /h
VSC8	Motorized ball valve, 2-way, DN 2" Kvs 40 m ³ /h
VSC8-63	Motorized ball valve, 2-way, DN 2" Kvs 63 m ³ /h
VDC2	Motorized ball valve, 3-way, DN 1/2"; Kvs 4 m ³ /h
VDC3	Motorized ball valve, 3-way, DN 3/4"; Kvs 6,3 m ³ /h
VDC4	Motorized ball valve, 3-way, DN 1"; Kvs 10 m ³ /h
VDC5	Motorized ball valve, 3-way, DN 1"1/4; Kvs 16 m ³ /h
VDC6	Motorized ball valve, 3-way, DN 1"1/2; Kvs 25 m ³ /h
VDC8	Motorized ball valve, 3-way, DN 2"; Kvs 40 m ³ /h
VDC8-63	Motorized ball valve, 3-way, DN 2"; Kvs 63 m ³ /h



APPLICATION AND USE

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

Available in 2- and 3-way threaded connections, both provided with either modulating, on/off and 3p actuator (MVS216, MVS416, MVS416F and MVS516 with ISO 5211 F04 flange).

The substances admitted are belonging at the following categories:

- water, from -10°C to +130°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

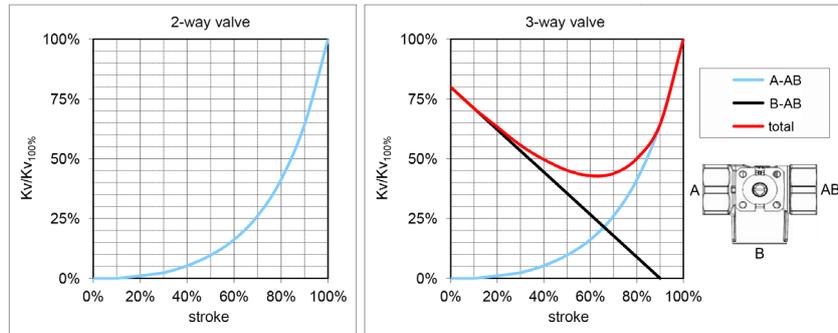
DESCRIPTION		VSC-VDC
Body		PN40
Construction		Pmax 16 bar
Materials	Body	Brass (EN-12165 CW617N)
	Seat	PTFE
	Ball	Chrome plated brass (EN-12164 CW617N)
Sealing leakage		Tight close-off
Connections		Female threaded
Actuator connection		ISO 5211 F04

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

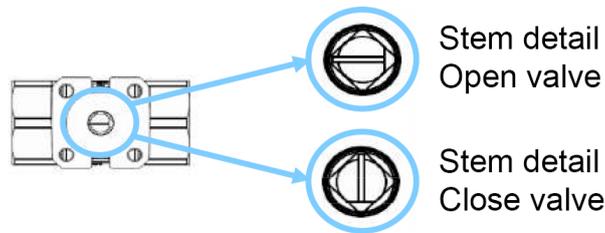
TYPE	MODELS	DN	KVS [M3/H]	THREADED	P MAX	ACTUA-TORS	FLUID TEMP.		ΔP
							MIN	MAX	
2-way	VSC2	1/2"	4	FF	16 bar	MVSx16 (16 Nm)	-10°C	+130°C	3.5 bar
	VSC3	3/4"	6,3	FF					
	VSC4	1"	10	FF					
	VSC5	1 ¼"	16	FF					
	VSC6	1 ½"	25	FF					
	VSC8	2"	40	FF					
	VSC8-63	2"	63	FF					
3-way	VDC2	1/2"	4	FFF					
	VDC3	3/4"	6,3	FFF					
	VDC4	1"	10	FFF					
	VDC5	1 ¼"	16	FFF					
	VDC6	1 ½"	25	FFF					
	VDC8	2"	40	FFF					
	VDC8-63	2"	63	FFF					

OPERATION

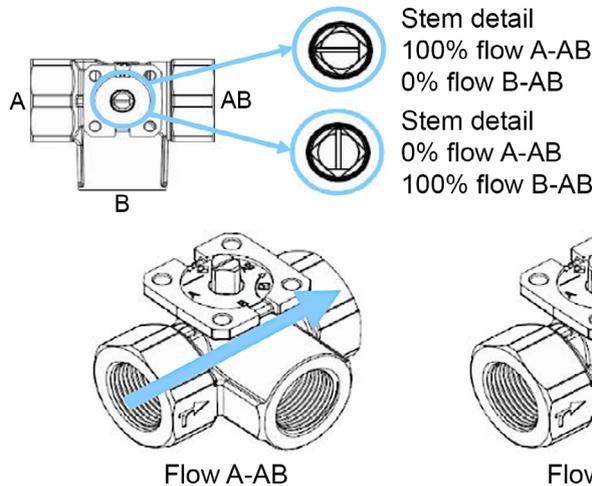
Characteristic Curve



2-way Valve



3-way Valve



ACCESSORIES

GVSC2	Thermal insulation for VSC2
GVSC3	Thermal insulation for VSC3
GVSC4	Thermal insulation for VSC4
GVSC5	Thermal insulation for VSC5
GVSC6	Thermal insulation for VSC6
GVSC8	Thermal insulation for VSC8 and VSC8-63
GVDC2	Thermal insulation for VDC2
GVDC3	Thermal insulation for VDC3
GVDC4	Thermal insulation for VDC4
GVDC5	Thermal insulation for VDC5
GVDC6	Thermal insulation for VDC6
GVDC8	Thermal insulation for VDC8 and VDC8-63

INSTALLATION RECOMMENDATIONS

Operating Conditions

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

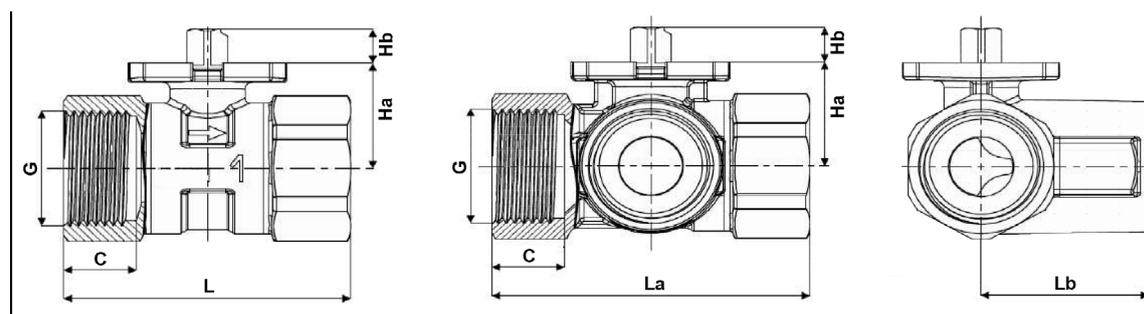
Pipe Flushing

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	LA	LB	C	HA	HB
2-way	VSC2	1/2"	1/2"	61.6	-	-	15.5	24.2	10
	VSC3	3/4"	3/4"	67.4	-	-	16.5	27.6	10
	VSC4	1"	1"	76.8	-	-	19.5	30.5	10
	VSC5	1 1/4"	1"1/4	88	-	-	21.5	34.3	10
	VSC6	1 1/2"	1"1/2	101.8	-	-	21.5	39.8	10
	VSC8	2"	2"	116.2	-	-	25	52.8	10
	VSC8-63	2"	2"	116.2	-	-	25	52.8	10
3-way	VDC2	1/2"	1/2"	-	66.6	34	15.5	24.2	10
	VDC3	3/4"	3/4"	-	72.2	36.7	16.5	27.6	10
	VDC4	1"	1"	-	85.4	44.8	19.5	30.5	10
	VDC5	1 1/4"	1"1/4	-	99.2	52.6	21.5	34.3	10
	VDC6	1 1/2"	1"1/2	-	109.6	57.1	21.5	39.8	10
	VDC8	2"	2"	-	131.4	68.9	25	52.8	10
	VDC8-63	2"	2"	-	131.4	68.9	25	52.8	10