

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
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



APPLICATION AND USE

For use in heating, ventilation, heating systems, and 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 either modulating or on/off actuator (MVS216, MVS416 e MVS516 with ISO 5211 F04 flange).

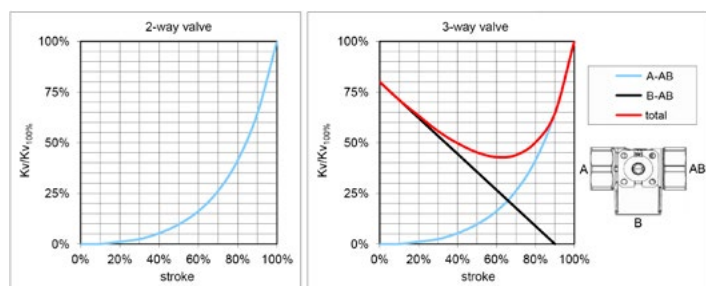
The substances admitted are belonging at the following categories:

- 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%

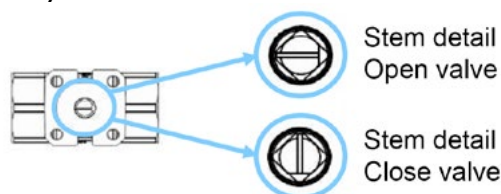
Not suitable for gas 1 and group 2, group 1 liquids (Dir. 2014/68/UE)

OPERATION

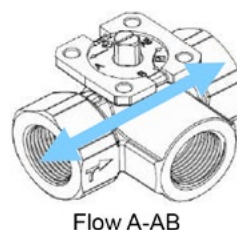
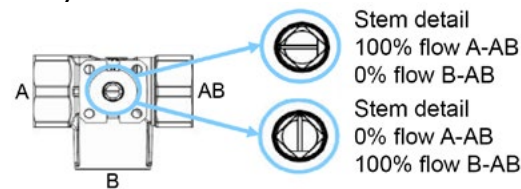
Characteristic curve



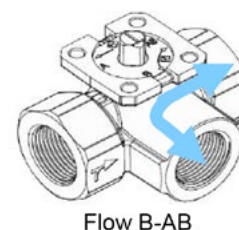
2-way valve



3-way valve



Flow A-AB



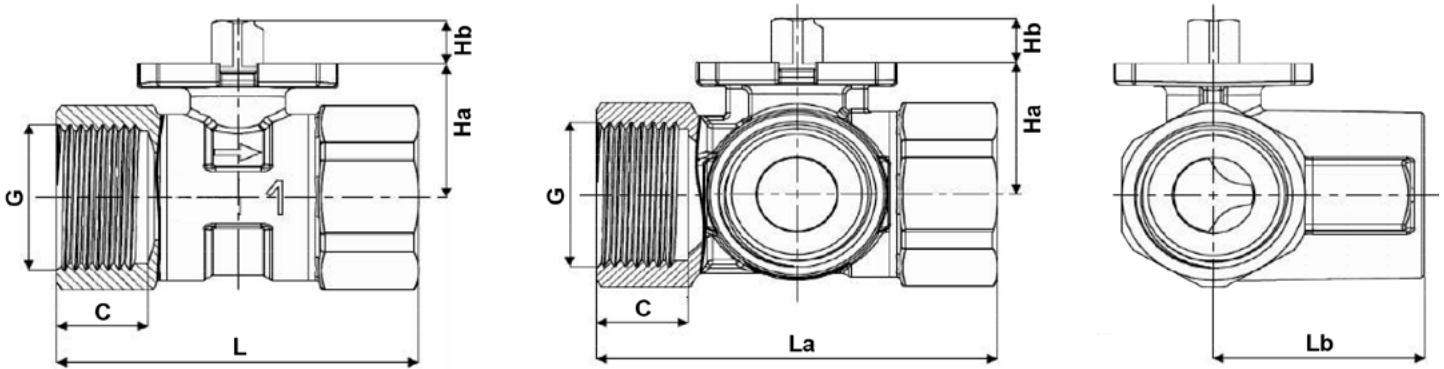
Flow B-AB

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 F04

TYPE	MODELS	DN	KVS [m³/h]	THREADED	PN	ACTUATORS	FLUID TEMP.		DELTA P
							MIN	MAX	
2-way	VSC2	1/2"	4	FF	40	MVSx16 (16 Nm)	-10° C	+130° C	3,5 bar
	VSC3	3/4"	6,3	FF					
	VSC4	1"	10	FF					
	VSC5	1"1/4	16	FF					
	VSC6	1"1/2	25	FF					
	VSC8	2"	40	FF					
3-way	VDC2	1/2"	4	FFF					
	VDC3	3/4"	6,3	FFF					
	VDC4	1"	10	FFF					
	VDC5	1"1/4	16	FFF					
	VDC6	1"1/2	25	FFF					
	VDC8	2"	40	FFF					

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
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

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