

3-way ball valves, internal thread, ISO 5211 connection for actuator VBI-310

Presentation



Typical application

- For domestic and commercial heating and cooling hydronic applications, in closed systems.

Features

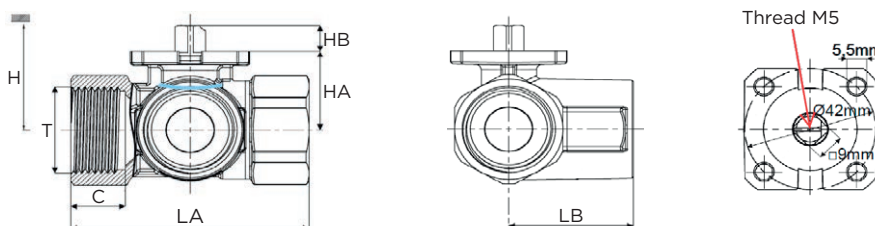
- With "L" or "T" ball type, for diverting and change over applications.
- Dezincification-resistant (DZR) brass.
- Blow-out proof system.
- Low operating torque.

Technical specifications

Connection for actuator	ISO 5211 F04-9 mm
Pipe connections	Rp internal thread ISO 7-1
Nominal pressure	PN40
Operating pressure	Max. 16 bar, operating pressure and fluid temperature per ISO 7005
Max. diff. pressure	4 bar
Fluid temperature	-10 °C to +130 °C
Fluid	Water, water with glycol up to 50 % vol. The water quality requirements specified in VDI 2035 must be adhered to.
Max. Leakage	EN 60534-4 L/1, improved class 4, bypass < 1 %
Angle of rotation	90 °
Servicing	Maintenance-free
Installation position	Upright to horizontal (related to stem)
Materials	Body-CW602N DZR brass; sealing-PTFE, EPDM Perox

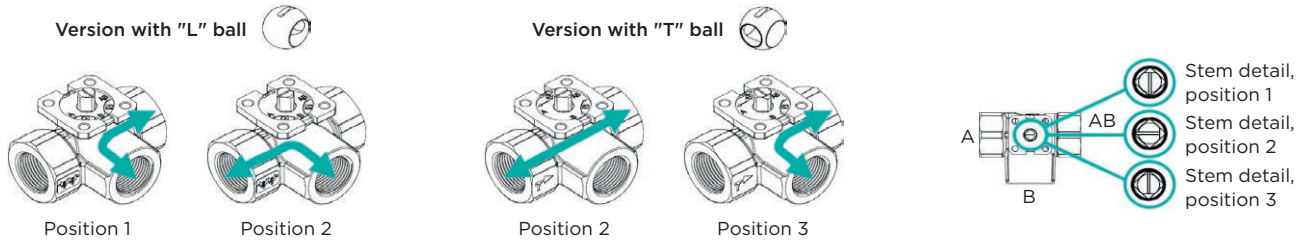
Valve version	"L" ball	"T" ball	"T" ball
DN	Kvs (m ³ /h)	Kvs (m ³ /h)	Kvs (m ³ /h)
DN15	5	12	6
DN20	9	16	8
DN25	9	16	8
DN32	13	25	12,5
DN40	25	49	24,5
DN50	37	73	36,5


Dimensions									Weight (g)	
DN	T	LA(mm)	LB(mm)	C(mm)	HA(mm)	HB(mm)	ISO Q (mm)	H(mm) *	"L"	"T"
15	Rp 1/2 "	66	34	15,5	28	9	F04-9	230	315	310
20	Rp 3/4 "	80	40	16,5	30	9	F04-9	235	418	405
25	Rp 1 "	85	45	19,5	30	9	F04-9	235	646	633
32	Rp 1 1/4 "	100	52	21,5	34	9	F04-9	240	976	958
40	Rp 1 1/2 "	110	57	21,5	40	9	F04-9	245	1427	1387
50	Rp 2 "	132	69	25	53	9	F04-9	250	2388	2298





*Total height with actuator plus minimum mounting distance to wall, ceiling.


Working way



Item	Order code	Description
Valves with "L" ball		
	VBI3115L	Valve VBI3115L, DN15, Rp 1/2 ", Ball type L
	VBI3120L	Valve VBI3120L, DN20, Rp 3/4 ", Ball type L
	VBI3125L	Valve VBI3125L, DN25, Rp 1 ", Ball type L
	VBI3132L	Valve VBI3132L, DN32, Rp 1 1/4 ", Ball type L
	VBI3140L	Valve VBI3140L, DN40, Rp 1 1/2 ", Ball type L
	VBI3150L	Valve VBI3150L, DN50, Rp 2 ", Ball type L

Valves with "T" ball		
	VBI3115T	Valve VBI3115T, DN15, Rp 1/2 ", Ball type T
	VBI3120T	Valve VBI3120T, DN20, Rp 3/4 ", Ball type T
	VBI3125T	Valve VBI3125T, DN25, Rp 1 ", Ball type T
	VBI3132T	Valve VBI3132T, DN32, Rp 1 1/4 ", Ball type T
	VBI3140T	Valve VBI3140T, DN40, Rp 1 1/2 ", Ball type T
	VBI3150T	Valve VBI3150T, DN50, Rp 2 ", Ball type T

Suitable Seltron AVCR actuators			
	For valves DN15 - DN25 VBI-310L/T	AVC05230220	Actuator AVCR, 2P, 5 Nm, 30 s, 230 VAC
		AVC05B30220	Actuator AVCR, 2P+S, 5 Nm, 30 s, 230 VAC
		AVC05230420	Actuator AVCR, 2P, 5 Nm, 30 s, 24 VAC
		AVC05B30420	Actuator AVCR, 2P+S, 5 Nm, 30 s, 24 VAC
	For valves DN32 - DN50 VBI-310L/T	AVC1021M220	Actuator AVCR, 2P, 10 Nm, 60 s, 230 VAC
		AVC10B1M220	Actuator AVCR, 2P+S, 10 Nm, 60 s, 230 VAC
		AVC1021M420	Actuator AVCR, 2P, 10 Nm, 60 s, 24 VAC
		AVC10B1M420	Actuator AVCR, 2P+S, 10 Nm, 60 s, 24 VAC

Suitable Seltron AVDR actuators			
	For valves DN15 - DN25 VBI-310L/T	AVD05230220	Actuator AVDR, 2P, 5 Nm, 30 s, 230 VAC
		AVD05B30220	Actuator AVDR, 2P+S, 5 Nm, 30 s, 230 VAC
		AVD05230420	Actuator AVDR, 2P, 5 Nm, 30 s, 24 VAC
		AVD05B30420	Actuator AVDR, 2P+S, 5 Nm, 30 s, 24 VAC
	For valves DN32 - DN50 VBI-310L/T	AVD1021M220	Actuator AVDR, 2P, 10 Nm, 60 s, 230 VAC
		AVD10B1M220	Actuator AVDR, 2P+S, 10 Nm, 60 s, 230 VAC
		AVD1021M420	Actuator AVDR, 2P, 10 Nm, 60 s, 24 VAC
		AVD10B1M420	Actuator AVDR, 2P+S, 10 Nm, 60 s, 24 VAC

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