BTV/BTR valves

2-way

3-way

The valves below are intended for use in hot/cold water or steam systems in combination with an RVA5 actuator. In our BTV/BTR series of valves, all 2-way valves with a connection of DN 20, kv 3.9 or higher are pressure balanced. This means that they can handle differential pressure with low force.

BTV/BTR series are not intended for use in drinking water systems.

Technical data	
Flow characteristics	Equal percentage
Fluid temperature	-5...+185°C
Media	Hot, cold, glycol mixed water (max 50%) or steam
Connection	BSP female threaded
Rangeability	100:1
Stroke	20 mm
Pressure rating	PN16
Max leakage	BTV (2-way): 0.0% of Kvs (PTFE 25% carbon-sealing, no leakage) BTR (3-way): 0.1% of Kvs
Material	
Body	Brass
Plug	BTV: Stainless steel BTR: Brass
Stem	Stainless steel
Packing box	Auto adjusted, teflon (O-ring Viton)

Description	Connection	Max diff. pressure	Kvs	Actuator	Type	Notes
2-way valve	DN15	1.6 MPa	1.0	RVA5...	BTV15-1,0	
2-way valve	DN15	1.6 MPa	1.6	RVA5...	BTV15-1,6	
2-way valve	DN15	1.6 MPa	2.1	RVA5...	BTV15-2,5	
2-way valve	DN20	1.6 MPa	4.2	RVA5...	BTV20-3,9	
2-way valve	DN25	1.6 MPa	6.3	RVA5...	BTV25-6,3	
2-way valve	DN25	1.6 MPa	10	RVA5...	BTV25-10	
2-way valve	DN32	1.0 MPa	16	RVA5...	BTV32-16	
2-way valve	DN40	0.8 MPa	27	RVA5...	BTV40-27	
2-way valve	DN50	0.5 MPa	39	RVA5...	BTV50-39	
3-way valve	DN15	1.6 MPa	0.63	RVA5...	BTR15-0,63	
3-way valve	DN15	1.6 MPa	1.0	RVA5...	BTR15-1,0	
3-way valve	DN15	1.6 MPa	1.6	RVA5...	BTR15-1,6	
3-way valve	DN15	1.6 MPa	2.1	RVA5...	BTR15-2,1	
3-way valve	DN15	1.6 MPa	2.7	RVA5...	BTR15-2,7	
3-way valve	DN20	1.6 MPa	4.2	RVA5...	BTR20-4,2	
3-way valve	DN20	1.6 MPa	5.6	RVA5...	BTR20-5,6	
3-way valve	DN25	1.6 MPa	10	RVA5...	BTR25-10	
3-way valve	DN32	1.0 MPa	16	RVA5...	BTR32-16	
3-way valve	DN40	0.8 MPa	27	RVA5...	BTR40-27	
3-way valve	DN50	0.5 MPa	39	RVA5...	BTR50-39	

Spare parts

Description	Type	Notes
Spare parts kit, O-ring kit for BTV valve	S02420001	
Spare parts kit, packing box for BTR valve	S6321457301	