



NTVS (DIN standard)

The NTVS-series is intended to control hot and cold water, glycol mixed water, steam and district heating within the temperature range -5°C...+185°C. The valve is pressure-balanced and is therefore able to handle high differential pressures with low force. This means that an actuator with low force can be used. The valve has softseal of carbon-filled teflon between cone and seat, which makes it completely tight. It has a self-adjusting packing box in teflon and an O-ring in Viton.

NTVS valves meet the requirements of DIN-standard DIN 3202/F1 and ISO 5752 table 1.

NB: With very high pressure and flow speed it is necessary to use metal packing. Use the extra letter M at the end of the reference type when ordering a valve with metal packing, for example NTVS50-27M instead of the usual NTVS50-27.

Technical data	
Flow characteristics	Equal percentage
Max diff. pressure	1.6 MPa
Media	Hot, cold, glycol mixed water or steam
Fluid temperature	-5°C...+185°C
Connection	Flanges according to SS 335 table 6
Max. leakage	0.00% of Kvs
Rangeability	100:1
Pressure rating	PN16
Material	
Body	Modular iron SS 0727
Plug & seat	Stainless steel SS 2333
Stem	Stainless steel SS 2346
Cone	Gun metal/Stainless steel
Packing box	Self-adjusting teflon
O-ring and piston ring	Viton
Bonnet	Brass SS 5170
Seal flange	Steel SS 2172
Soft seal	Carbon-filled Teflon

Description	Connection	Kvs	Stroke length	*Actuator	Adapter-kit	Type	Notes
2-way valve	DN15	0.4	20 mm	RVA5	OVA-F1	NTVS15-0,4	
2-way valve	DN15	1.6	20 mm	RVA5	OVA-F1	NTVS15-1,6	
2-way valve	DN15	2.7	20 mm	RVA5	OVA-F1	NTVS15-2,7	
2-way valve	DN20	0.8	20 mm	RVA5	OVA-F1	NTVS20-0,8	
2-way valve	DN20	1.6	20 mm	RVA5	OVA-F1	NTVS20-1,6	
2-way valve	DN20	2.7	20 mm	RVA5	OVA-F1	NTVS20-2,7	
2-way valve	DN20	3.9	20 mm	RVA5	OVA-F1	NTVS20-3,9	
2-way valve	DN25	1.6	20 mm	RVA5	OVA-F1	NTVS25-1,6	
2-way valve	DN25	2.5	20 mm	RVA5	OVA-F1	NTVS25-2,5	
2-way valve	DN25	4	20 mm	RVA5	OVA-F1	NTVS25-4,0	
2-way valve	DN25	6.3	20 mm	RVA5	OVA-F1	NTVS25-6,3	
2-way valve	DN25	10	20 mm	RVA5	OVA-F1	NTVS25-10	
2-way valve	DN32	4	20 mm	RVA5	OVA-F1	NTVS32-4,0	
2-way valve	DN32	6.3	20 mm	RVA5	OVA-F1	NTVS32-6,3	
2-way valve	DN32	10	20 mm	RVA5	OVA-F1	NTVS32-10	
2-way valve	DN32	16	20 mm	RVA5	OVA-F1	NTVS32-16	
2-way valve	DN32	25	20 mm	RVA5	OVA-F1	NTVS32-25	
2-way valve	DN40	6.3	20 mm	RVA5	OVA-F1	NTVS40-6,3	
2-way valve	DN40	10	20 mm	RVA5	OVA-F1	NTVS40-10	
2-way valve	DN40	16	20 mm	RVA5	OVA-F1	NTVS40-16	
2-way valve	DN40	27	20 mm	RVA5	OVA-F1	NTVS40-27	
2-way valve	DN50	16	20 mm	RVA5	OVA-F1	NTVS50-16	
2-way valve	DN50	27	20 mm	RVA5	OVA-F1	NTVS50-27	
2-way valve	DN50	39	20 mm	RVA5	OVA-F1	NTVS50-39	
2-way valve	DN65	16	20 mm	RVA5	OVA-F1	NTVS65-16	
2-way valve	DN65	27	20 mm	RVA5	OVA-F1	NTVS65-27	
2-way valve	DN65	39	20 mm	RVA5	OVA-F1	NTVS65-39	
2-way valve	DN65	63	20 mm	RVA5	OVA-F1	NTVS65-63	
2-way valve	DN80	100	20 mm	RVA5	OVA-F1	NTVS80-100	
2-way valve	DN100	160	38 mm	RVA18	OVA-F1	NTVS100-160	
2-way valve	DN125	215	40 mm	RVA25	OVA-F1	NTVS125-215	
2-way valve	DN150	310	40 mm	RVA25	OVA-F1	NTVS150-310	

* Intended for actuator of this model.

Spare parts

Description	Type	Notes
Spare parts kit, packing box for NTVS valve	S6321457301	