



## DIN-standard valve, NTVS

The NTVS series is intended to control hot and cold water, glycol-mixed water, steam and district heating within the temperature range  $-5...+185^{\circ}\text{C}$ . The valves from DN20 to DN150 are pressure balanced, which means that they can handle differential pressure with low force. The valve has a soft seal between cone and seat, which makes it completely tight. It has a self-adjusting packing box in teflon and O-ring in Viton.

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

With very high pressure and flow speed it is necessary to use a 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. differential pressure	1.6 MPa
Media	Hot, cold, glycol-mixed water or steam
Fluid temperature	$-5...+185^{\circ}\text{C}$
Connection	Flanges according to SS 335 table 6
Max. leakage	0.00 % of kvs
Rangeability	100:1
Pressure rating	PN16
Material	
Body	Nodular cast iron SS 0727
Plug and seat	Stainless steel SS 2333
Stem	Stainless steel SS 2346
Cone	Gun metal/Stainless steel
Packing box	Self-adjusting teflon
O-ring	Viton
Piston ring	Carbon-filled PTFE (Viton)
Bonnet	Brass SS 5170
Seal flange	Steel SS 2172
Soft seal	PTFE 25 % carbon seal

Description	Connection	Kvs	Stroke	Actuator	Type
2-way valve	DN15	0.4	20 mm	RVA5...	NTVS15-0,4
	DN15	1.0	20 mm	RVA5...	NTVS15-1,0
	DN15	1.6	20 mm	RVA5...	NTVS15-1,6
	DN15	2.7	20 mm	RVA5...	NTVS15-2,7
	DN20	0.8	20 mm	RVA5...	NTVS20-0,8
	DN20	1.6	20 mm	RVA5...	NTVS20-1,6
	DN20	2.7	20 mm	RVA5...	NTVS20-2,7
	DN20	3.9	20 mm	RVA5...	NTVS20-3,9
	DN20	6.3	20 mm	RVA5...	NTVS20-6,3
	DN25	1.6	20 mm	RVA5...	NTVS25-1,6
	DN25	2.5	20 mm	RVA5...	NTVS25-2,5
	DN25	4	20 mm	RVA5...	NTVS25-4,0
	DN25	6.3	20 mm	RVA5...	NTVS25-6,3
	DN25	10	20 mm	RVA5...	NTVS25-10
	DN32	4	20 mm	RVA5...	NTVS32-4,0
	DN32	6.3	20 mm	RVA5...	NTVS32-6,3
	DN32	10	20 mm	RVA5...	NTVS32-10
	DN32	16	20 mm	RVA5...	NTVS32-16
	DN40	6.3	20 mm	RVA5...	NTVS40-6,3
	DN40	10	20 mm	RVA5...	NTVS40-10
	DN40	16	20 mm	RVA5...	NTVS40-16
	DN40	27	20 mm	RVA5...	NTVS40-27
	DN50	6.3	20 mm	RVA5...	NTVS50-6,3
	DN50	10	20 mm	RVA5...	NTVS50-10
	DN50	16	20 mm	RVA5...	NTVS50-16
	DN50	27	20 mm	RVA5...	NTVS50-27
	DN50	39	20 mm	RVA5...	NTVS50-39
	DN65	16	20 mm	RVA5...	NTVS65-16
	DN65	27	20 mm	RVA5...	NTVS65-27
	DN65	39	20 mm	RVA5...	NTVS65-39
	DN65	63	20 mm	RVA5...	NTVS65-63
DN80	100	20 mm	RVA5...	NTVS80-100	
DN100	160	38 mm	RVA18...	NTVS100-160	
DN125	215	40 mm	RVA25...	NTVS125-215	
DN150	310	40 mm	RVA25...	NTVS150-310	

Spare parts

Description	Type
Spare parts kit, packing box for the NTVS valves	S0603080300