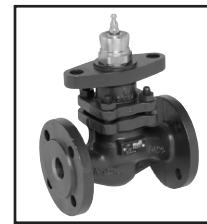


Selection: H6..S

k_{vs} [m ³ /h]	DN [mm]	2-way	Suitable linear actuator 3-point	Suitable linear actuator, modulating DC 0 ... 10 V	Suitable linear actuator, modulating DC 0 ... 10 V with emergency control function
0.4	15	H610S	NV24-3 AC / DC 24 V	NV24-MFT AC / DC 24 V	NVF24-MFT(2) AC / DC 24 V Emergency control function, pulling ³⁾
0.63	15	H611S			
1	15	H612S			
1.6	15	H613S			
2.5	15	H614S			
4	15	H615S			
4	20	H619S			
6.3	20	H620S			
6.3	25	H624S			
10	25	H625S			
16	32	H632S	NV230-3 AC 230 V	NVY24-MFT AC / DC 24 V	NVF24-MFT(2)-E AC / DC 24 V Emergency control function, pushing ²⁾
25	40	H640S			
40	50	H650S			
58	65	H664S			
63	65	H665S			
100	80	H680S	AV24-3 AC 24 V	AV24-MFT AC / DC 24 V	1) Recommended for DN 32 – DN 50 and high closing pressures 2) Valve closed when deenergized 3) Valve open when deenergized
145	100	H6100S			
220	125	H6125S	AV230-3 AC 230 V	AVY24-MFT AC / DC 24 V	
320	150	H6150S			



2-way globe valves with flange DN 15...150



For the modulating control of hot water and steam

Applications

- Water-side control of air handling units
- Water-side control in heating systems

Mode of operation

The globe valve is operated by an NV or AV series linear actuator. The linear actuators are controlled by a standard modulating or 3-point control system and move the cone of the valve, the throttling device, to the opening position dictated by the control signal.

Product features

Equal-percentage characteristic

Produced by the profiling of the valve cone.

Manual operation with NV / AV actuator

Using a hexagonal key to turn the actuator.

- For installation instructions, refer to pages 30...32
- For closing pressure / differential pressure, refer to page 8
- Sizing diagram for globe valves, refer to page 9
- The information provided on pages 33/34 regarding operation, installation, project design, commissioning and maintenance must be strictly observed.

Technical data

H6..S

Flow media	Hot water, steam, water with max. 50% volume of glycol
Temperature of medium	+5°C...+150°C (higher temperatures on request)
Rated pressure ps	1600 kPa (PN 16)
Flow characteristic	Control path A-AB: equal-percentage (to VDI/VDE 2173) n(ep) = 3, optimized in opening range
Rangeability	DN 15 Sv > 50 DN 20...150 Sv > 100
Leakage rate	Control path A-AB: max. 0.05 % of k_{vs} value
Pipe connector	Flange to ISO 7005-2 (PN 16)
Differential pressure Δp_{max}	1000 kPa (with large DN: $\Delta ps < \Delta p_{max}$)
Closing pressure Δps	See table on page 8
Stroke	See Dimensions table
Valve closing point	Down (V)
Installation position	Vertical to horizontal
Maintenance	Maintenance-free

Materials

Fitting	Cast iron GG25
Valve cone	Stainless steel
Valve seat	Stainless steel
Valve stem	Stainless steel
Stem gland seal	EPDM O-ring

Dimensions: H6..S

DN [mm]	Stroke [mm]	Actuator Type	Dimens. [mm]		Flange				Weight kg
			L	H	D	K	d	C	
15	15	NV..	130	118	95	65	4x14	14	3.6
20	15		150	118	105	75	4x14	16	4.3
25	15		160	126	115	85	4x14	16	5.2
32	15		180	126	140	100	4x18	18	6.8
40	15		200	133	150	110	4x18	18	8.7
50	15		230	139	165	125	4x18	20	11.6
65	18		290	100	185	145	4x18	20	16.7
65	30		290	155	185	145	4x18	20	16.7
80	30	AV..	310	170	200	160	8x18	22	22.4
100	30		350	190	220	180	8x18	24	32.5
125	40		400	228	250	210	8x18	26	44.0
150	40		480	288	285	240	8x22	26	61.0

