



Plant valves

VG8000H

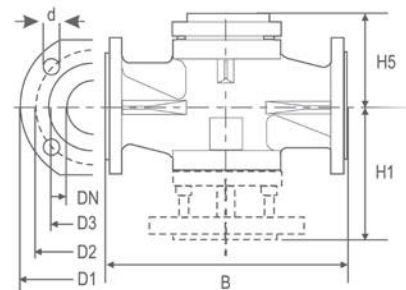
DN15...150, PN25

These flanged valves are primarily designed to regulate the flow of water and steam in response to the demand of a controller, in Heating, Ventilating and Air Conditioning (HVAC) systems.

A variety of electric and pneumatic actuators are available.

Features

- ▶ Nodular cast iron body
- ▶ K_{VS} 0.4...350
- ▶ 2-way PDTC (normally open),
3-way mixing and 3-way diverting configurations
- ▶ Fluid temperature 2...200 °C,
with glycerin cup: -20...200 °C
with cooling fins: up to 280 °C
- ▶ DIN Flanged



Dimensions in mm

Body size	B	D1	D2	D3	d	H1	H5	Bolts	Holes
DN15	130	95	65	45	13.5	100	76	M12 x 45	4
DN20	150	105	75	58	13.5	106	76	M12 x 50	4
DN25	160	115	85	68	13.5	106	76	M12 x 50	4
DN32	180	140	100	78	17.5	123	81	M16 x 55	4
DN40	200	150	110	88	17.5	140	78	M16 x 55	4
DN50	230	165	125	102	17.5	145	101	M16 x 60	4
DN65	290	185	145	122	17.5	156	102	M16 x 60	8
DN80	310	200	160	138	17.5	180	108	M16 x 65	8
DN100	350	235	190	162	22	225	136	M20 x 70	8
DN125	400	270	220	188	26	255	155	M24 x 75	8
DN150	480	300	250	218	26	290	175	M24 x 80	8

Plant valves

VG8000H
2-way PDTC (Normally Open) configuration

Codes*	Body size	K _{VS}	Close-off pressure kPa							
			FA-2000-741x 2200 N	FA-2000-751x 2400 N	FA-3300-741x 6000 N	RA-3000-732x 3000 N	RA-3100-8226 1700 N	VA1x20** 2000 N	VA1125** 500 N	VA78xx 1000 N
VG82A4S1H	DN15	1.0	---	---	---	---	---	2500	2500	2500
VG82A3S1H		1.6								
VG82A2S1H		2.5								
VG82A1S1H		4.0								
VG82B1S1H	DN20	6.3	---	---	---	---	---	2500	2500	2030
VG82C1S1H	DN25	10								1360
VG82D1S1H	DN32	16								660
VG82E1S1H	DN40	25								370
VG82F1S1H	DN50	40	920	1300	600	750	1020	---		
VG82G1S1H	DN65	63	710	1010	450	580	750			
VG82H1S1H	DN80	100	330	480	200	260	370			
VG82J1S1H	DN100	160	180	720	290	100	140		210	
VG82K1S1H	DN125	250	100	---	450	170	---	80	120	
VG82L1S1H	DN150	350	50	---	270	100	---	40	70	

Notes

- * For factory mounted valve actuators just add "+M" to the type model number
 For ordering a valve with Cooling fin, add suffix "10" to the ordering code: i.e. VG8xxxS1H10
 For ordering a valve with Glycerine cup packing, add suffix "20" to the ordering code: i.e. VG8xxxS1H20.
 Reduced kvs coefficients are available on request.

- ** For fluid temperature >140 °C the extension kit VA1000-EP must be mounted. Max-Fluid temperature must not exceed 200 °C.

Plant valves

VG8000H
Ordering information
3-way mixing configuration

Codes*	Body size	K _{VS}	Close-off pressure kPa							
			FA-2000-741x 2200 N	FA-2000-751x 2400 N	FA-3300-741x 6000 N	RA-3000-732x 3000 N	RA-3100-8226 1700 N	VA1x20** 2000 N	VA1125** 500 N	VA78xx 1000 N
VG88A4S1H	DN15	1.0	---	---	---	---	---	2500	2500	2500
VG88A3S1H		1.6								
VG88A2S1H		2.5								
VG88A1S1H		4.0								
VG88B1S1H	DN20	6.3	---	---	---	---	---	---	---	2030
VG88C1S1H	DN25	10								1360
VG88D1S1H	DN32	16								660
VG88E1S1H	DN40	25								370
VG88F1S1H	DN50	40	---	---	---	---	---	---	---	920
VG88G1S1H	DN65	63								710
VG88H1S1H	DN80	100								330
VG88J1S1H	DN100	160								180
VG88K1S1H	DN125	250	---	---	---	---	---	---	---	100
VG88L1S1H	DN150	350								50

Notes

* For factory mounted valve actuators just add "+M" to the type model number

For ordering a valve with Cooling fin, add suffix "10" to the ordering code: i.e. VG8xxxS1H10

For ordering a valve with Glycerine cup packing, add suffix "20" to the ordering code: i.e. VG8xxxS1H20.

Reduced kvs coefficients are available on request.

** For fluid temperature >140 °C the extension kit VA1000-EP must be mounted. Max-Fluid temperature must not exceed 200 °C.

Plant valves

VG8000H
Ordering information
3-way diverting configuration

Codes *	Body size	K _{V5}	Close-off pressure kPa												
			FA-2000-741x 2200 N	FA-2000-751x 2400 N	FA-3300-741x 6000 N	RA-3000-732x 3000 N	RA-3100-8226 1700 N	VA1x20 ** 2000 N	VA1125 ** 500 N	VA78xx 1000 N					
VG89A4S1H	DN15	1.0	---	---	---	---	---	2500	2500	2500					
VG89A3S1H		1.6													
VG89A2S1H		2.5													
VG89A1S1H		4.0													
VG89B1S1H	DN20	6.3	---	---	---	---	---	2500	2500	2030					
VG89C1S1H	DN25	10								1360					
VG89D1S1H	DN32	16								660					
VG89E1S1H	DN40	25								370					
VG89F1S1H	DN50	40	---	---	---	---	---	---	---	---					
VG89G1S1H	DN65	63									920	1300	600	750	1020
VG89H1S1H	DN80	100									710	1010	450	580	750
VG89I1S1H	DN100	160									330	480	200	260	370
VG89J1S1H	DN100	160	180	---	720	290	100	140	210	---					
VG89K1S1H	DN125	250	100		450	170	---	80	120						
VG89L1S1H	DN150	350	50		270	100	---	40	70						

Notes

* For factory mounted valve actuators just add "+M" to the type model number

For ordering a valve with Cooling fin, add suffix "10" to the ordering code: i.e. VG8xxxS1H10

For ordering a valve with Glycerine cup packing, add suffix "20" to the ordering code: i.e. VG8xxxS1H20.

Reduced kvs coefficients are available on request.

** For fluid temperature >140 °C the extension kit VA1000-EP must be mounted. Max-Fluid temperature must not exceed 200 °C.