

Plant valves

VG8000N

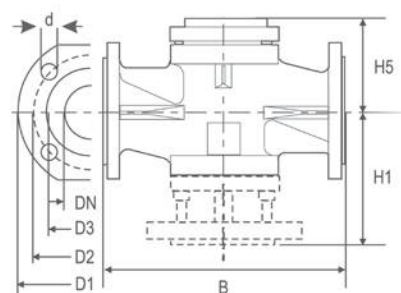
DN15...150, PN16

These electrically and pneumatically operated 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} 0.1...350
- ▶ 2-way PDTC (normally open),
3-way mixing and 3-way diverting configurations
- ▶ Fluid temperature 0...180 °C
with Glycerine cup -10...180 °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	4
DN80	310	200	160	138	17.5	180	108	M16 x 65	8
DN100	350	220	180	158	17.5	225	136	M16 x 70	8
DN125	400	250	210	188	17.5	255	155	M16 x 75	8
DN150	480	285	240	212	22	290	175	M20 x 75	8

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Ordering information
2-way PDTTC (Normally Open) configuration

Codes *	Body size	K _{VS}	Close-off pressure kPa						
			FA-2000-741x 2400 N	FA-2000-751x 2200 N	FA-3300 6000 N	RA-3100-8226 2700 N	VA1x20 ** 2000 N	VA1125 ** 2500 N	VA78xx 1000 N
VG82A4S1N	DN15	1.0							1600
VG82A3S1N		1.6							
VG82A2S1N		2.5							
VG82A1S1N		4.0							
VG82B1S1N	DN20	6.3		---			1600	1600	
VG82C1S1N	DN25	10	---		---				1570
VG82D1S1N	DN32	16							770
VG82E1S1N	DN40	25							440
VG82F1S1N	DN50	40		1030		650	800	1080	
VG82G1S1N	DN65	63		790		500	630	830	
VG82H1S1N	DN80	100		370		220	380	390	
VG82J1S1N	DN100	160	190		740	120	160	230	---
VG82K1S1N	DN125	250	110	---	460	---	90	140	
VG82L1S1N	DN150	350	50		280	---	40	75	

Notes

- * For factory mounted valve actuators just add "+M" to the actuator ordering code
 For ordering a valve with Glycerine cup packing, add suffix "20" to the ordering code: i.e. VG8xxxS1H20.
 Teflon free model are available on request.

** For fluid temperature >140 °C the extension kit VA1000-EP must be mounted.

Plant Valves

VG8000N
Ordering information
3-way mixing configuration

Codes*	Body size	K _{VS}	Close-off pressure kPa						
			FA-2000-741x 2400 N	FA-2000-751x 2200 N	FA-3300 6000 N	RA-3100-8226 2700 N	VA1x20 ** 2000 N	VA1125 ** 2500 N	VA78xx 1000 N
VG88A4S1N	DN15	1.0							1600
VG88A3S1N		1.6							
VG88A2S1N		2.5							
VG88A1S1N		4.0							
VG88B1S1N	DN20	6.3	---	---		1600	1600		
VG88C1S1N	DN25	10	---	---					1570
VG88D1S1N	DN32	16							770
VG88E1S1N	DN40	25							440
VG88F1S1N	DN50	40		1030		650	800	1080	
VG88G1S1N	DN65	63		790		500	630	830	
VG88H1S1N	DN80	100		370		220	380	390	
VG88J1S1N	DN100	160	190		740	120	160	230	---
VG88K1S1N	DN125	250	110	---	460	---	90	140	
VG88L1S1N	DN150	350	50		280	---	40	75	

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Ordering information
3-way diverting configuration

Codes*	Body size	K _{VS}	Close-off pressure kPa						
			FA-2000-741x 2400 N	FA-2000-751x 2200 N	FA-3300 6000 N	RA-3100-8226 2700 N	VA1x20 ** 2000 N	VA1125 ** 2500 N	VA78xx 1000 N
VG89A4S1N	DN15	1.0							1600
VG89A3S1N		1.6							
VG89A2S1N		2.5							
VG89A1S1N		4.0							
VG89B1S1N	DN20	6.3	---	---		1600	1600		
VG89C1S1N	DN25	10	---		---				1570
VG89D1S1N	DN32	16							770
VG89E1S1N	DN40	25							440
VG89F1S1N	DN50	40		1030		650	800	1080	
VG89G1S1N	DN65	63		790		500	630	830	
VG89H1S1N	DN80	100		370		220	380	390	
VG89J1S1N	DN100	160	190		740	120	160	230	---
VG89K1S1N	DN125	250	110	---	460	---	90	140	
VG89L1S1N	DN150	350	50		280	---	40	75	

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