



Expanded VG1000 line covers your HVAC needs



Broader range. Improved temperature control. Lower installed cost.

Simplify selection with our complete line of VG1000 ball valves to meet nearly any HVAC need, including low Cv applications starting at Cv=0.30, Kv=0.26. The expanded line incorporates flow control discs to deliver equal percentage flow characteristics. High rangeability ensures excellent temperature control under all load conditions.

Innovative seating technology means you can count on reliable performance for years to come. Choose chrome plated or stainless steel trim, in two- or three-way configurations.

The expanded VG1000 line is backed by our industry-leading 5-year warranty. Get exactly the right solution for any low-pressure steam, chilled or hot water application.

VG1000 ball valves, with a range of flow control discs



2-way



3-way

Non Spring Return	
VA9104	
VA9310	
Floating Without Timeout	
On/Off Floating 24 V	
On/Off Floating 230 V	
0 (2) to 10 VDC 0 (4) to 20 mA (with 500 Ohm resistor)	
On/Off Floating 110/230 V	
0 (2) to 10 VDC 0 (4) to 20 mA (with resistor)	

Auxiliary Switch	2 SPDT, 3.0 (1.5) A @ 26 VAC							
Position Feedback	0(2) to 10 VDC							
Power Requirement	24 VAC +25%/-20%, Class 2, SELV							
	24 VAC +/-20%, 24 VDC +20%/-10%, Class 2, SELV							
	100 to 240 VAC +10%/-15%							
Electrical Connections	Screw							
	1.2 m x 0.75 mm2 Halogen Free Cable							

		Stainless Steel Trim		Close-off Pressure: 1350 kPa							
DN	Kvs	2-way	3-way								
DN15	1 (0.63)	VG1205AD	VG1805AD								
DN15	1.6 (1)	VG1205AE	VG1805AE								
DN15	2.5 (1.6)	VG1205AF	VG1805AF								
DN15	4 (2.5)	VG1205AG	VG1805AG								
DN15	6.3 (4)	VG1205AL	VG1805AL								
DN15	10 (5)	VG1205AN	VG1805AN								
DN20	6.3 (4)	VG1205BL	VG1805BL								
DN20	10 (5)	VG1205BN	VG1805BN								
DN25	10 (6.3)	VG1205CN	VG1805CN								
DN25	16 (8)	VG1205CP-C	VG1805CP								
DN32	25	VG1205DR-C									
DN32	16 (10)		VG1805DP								
DN32	25 (12.5)		VG1805DR								
DN40	25	VG1205ER-C									
DN40	40	VG1205ES-C									
DN40	25 (16)		VG1805ER								
DN40	40 (20)		VG1805ES								
DN50	40	VG1205FS-C									
DN50	63	VG1205FT-C									
DN50	40 (25)		VG1805FS								
DN50	63 (31.5)		VG1805FT								

Thermal Barrier (optional) M9000-561
 Auxiliary Switch Kit M9300-2

Note: Use VA9310 instead of VA9104 when you need auxiliary switches. The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office.

VA9104-AGA-1S	VA9104-AGA-3S	VA9104-IGA-1S	VA9104-IGA-3S	VA9104-IUA-1S	VA9104-GGA-1S	VA9104-GGA-3S	VA9310-AUA-3	VA9310-HGA-3
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		Valve Trim		Connection		Actuator Options							
Size	DN	Cv	Kv	2-way	3-way	Brass	Stainless High Temp	NPT	Sweat	VA9104 Terminal Block	VA 9104 Plenum Rated	VA9203 Spring Open 2-W & 3-W CCW	VA9203 Spring Closed 2-W & 3-W CW
1/2"	15	0.3	0.26	VG1241AA	VG1841AA								
1/2"	15	0.5	0.45	VG1241AB	VG1841AB								
1/2"	15	0.8	0.7	VG1241AC	VG1841AC								
1/2"	15	0.3	0.26	VG1245AA	VG1845AA								
1/2"	15	0.5	0.45	VG1245AB	VG1845AB								
1/2"	15	0.8	0.7	VG1245AC	VG1845AC								
1/2"	15	0.3	0.26	VG1275AA	VG1875AA								
1/2"	15	0.5	0.45	VG1275AB	VG1875AB								
1/2"	15	0.8	0.7	VG1275AC	VG1875AC								

Thermal Barrier (optional) M9000-561
 Auxiliary Switch Kit -xxB Models

