

V5GV3W Series

3-way Globe Valve, PN16

Technical Specification

Product Brief

Honeywell linear control valves can be connected with Honeywell linear valve actuators ML8824A for air-conditioning systems.

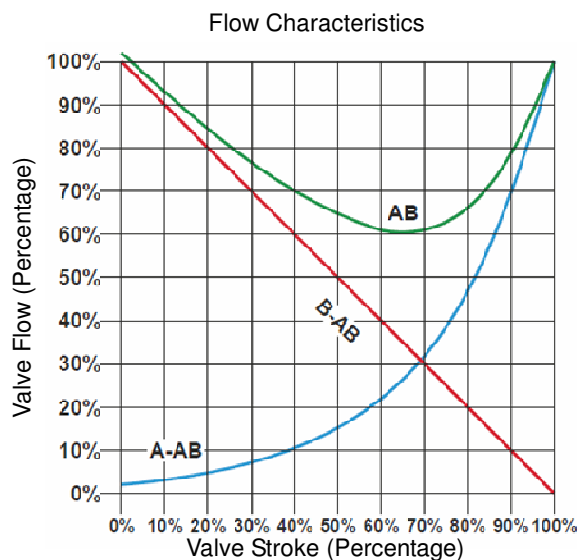


Fig. 1 Flow Characteristics

Features

- Ductile iron body with standard flanged connection
- Hard valve seat sealing for long service life
- Accurate positioning of valve stem to ensure temperature control
- Direct installation with Honeywell actuators eliminates the need for stem connection

Technical Parameters

Basic Parameters

Action	Stem up to A-AB to close
Nominal pressure rating	PN16



Type of valve	Three-way with integrated flow
Flow characteristic	A-AB: Equal percentage B-AB: Equal linear (See Fig. 1)
Rangeability	50:1
Leakage rate	A-AB: $\leq 0.02\%$ of Kvs B-AB: $\leq 1\%$ of Kvs
Rated stroke	20mm (DN50...80) 40mm (DN100...150)
Connection	Flanged per ISO 7005-2

Medium

Medium	Chilled/hot water
Medium temperature	-15...+130 °C

Materials

Valve Body	Ductile iron GGG40
Valve seat	Stainless steel
Valve stem	Stainless steel
Valve disk	Stainless steel
Packing	PTFE + Stainless steel spring

Product Model

Product Model	Valve Size	Kvs
V5GV3W050F-E	DN50	40
V5GV3W065F-E	DN65	63
V5GV3W080F-E	DN80	100
V5GV3W100F-E	DN100	160
V5GV3W125F-E	DN125	250
V5GV3W150F-E	DN150	360

Installation Requirements

- Medium water must meet VD12035 requirements.
- Do not install valve with stem below the horizontal.
- Fluid flow must correspond with the arrow direction on the valve body.
- The installation of a strainer is strongly recommended.

Electric Actuator

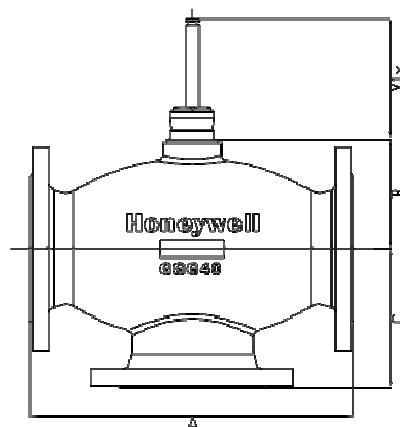
600N (20mm)	1800N (20mm)	1800N (40mm)
ML8824A0620	ML8824A1820	ML8824A1840
ML8824B0620	ML8824B1820	ML8824B1840

Close-off Pressure Rating (kPa)

Actuator	Valve						
Thrust	Stroke	DN50	DN65	DN80	DN100	DN125	DN150
600N	20mm	200	150	100	—	—	—
1800N	20mm	700	500	350	—	—	—
1800N	40mm	—	—	—	200	130	90

Dimensions (mm)

Valve Size	A	B	C	Y1x
DN50	230	71	125	87
DN65	290	88	145	87
DN80	310	105	155	87
DN100	350	119	150	131
DN125	400	134	175	131
DN150	480	154	200	131



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