

V5GV2S Series

Steam Linear Valves

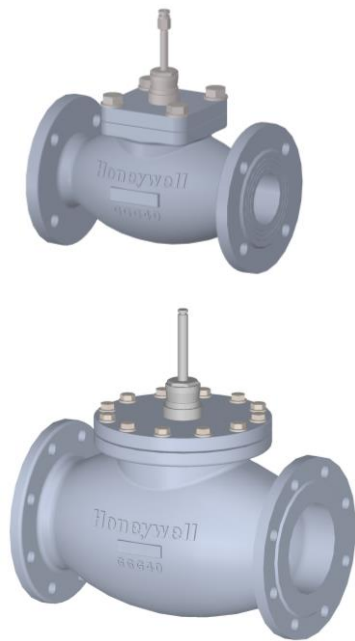
Honeywell V5GV2S series flange linear valves can work with ML8824 series linear actuators to control the steam or water flow of central air conditioning system and district heating system.

Features

- Pressure balancing plug (DN32~DN150)
- Low leakage
- Metal sealing of valve seat for long life running
- Easy mounting of being directly coupled with ML8824 actuator

Basic Parameters

Type	Two-way Linear Valves
Action Direction	Stem down close
Pressure Rating	PN16
Size	DN15 to DN150
Available Medium and Temperature	Cold and hot water: 0 °C to 130 °C Steam: 0°C to 180°C Medium standard: GB/T29044-2012
Flow Characteristics	EQ%
Rangeability	50:1
Leakage	IV-S rating (JB/T 7387-2014) Nominal value: $5 \times 10^{-6} \times$ Valve Capacity Equivalent value: 0.001%kvs (water testing) or 0.04%kvs (Air testing)
Connection	Flange (ISO7005-2)
Stroke	DN15~DN80: 20mm DN100~DN150:40mm



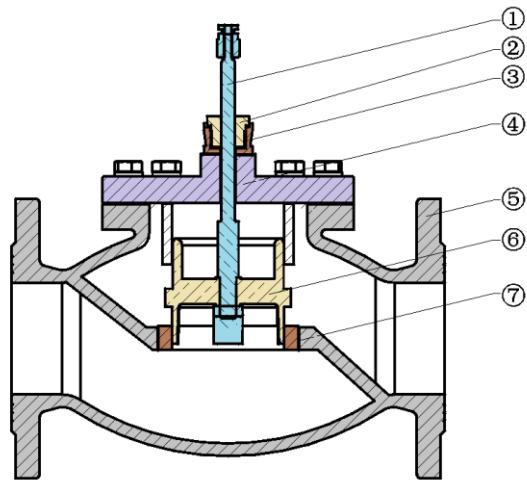
Order Information and Parameters

SKU	DN	Kvs m³/h	Stroke mm	Compatible actuator Series	Compatible actuator Force & Stroke and Close DP (kPa)	
					1800N 26mm	1800N 46mm
V5GV2S015F-E	DN15	4	20	ML8824 Series	1600	—
V5GV2S020F-E	DN20	6.3	20		1600	—
V5GV2S025F-E	DN25	9	20		1000	—
V5GV2S032F-E	DN32	15	20		1000	—
V5GV2S040F-E	DN40	24	20		1000	—
V5GV2S050F-E	DN50	40	20		1000	—
V5GV2S065F-E	DN65	63	20		800	
V5GV2S080F-E	DN80	100	20		800	
V5GV2S100F-E	DN100	160	40		—	600
V5GV2S125F-E	DN125	250	40		—	600
V5GV2S150F-E	DN150	360	40		—	600

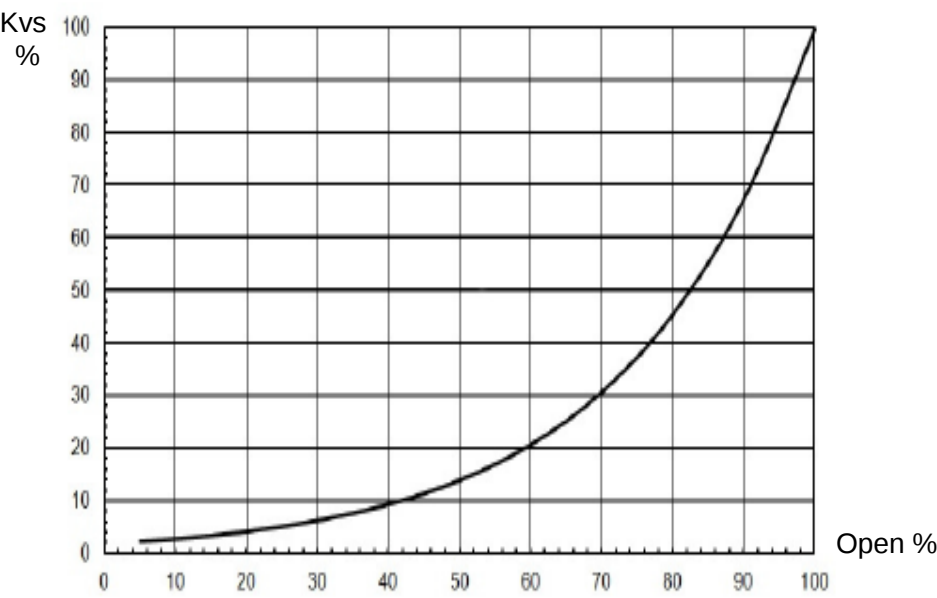
- Notes:**
1. The close pressure differential (DP) is a comprehensive physical parameter formed by the matching of the valve and the actuator. It means that the valve is matched with a certain thrust actuator and the maximum DP that the valve can withstand when it is fully closed. Within this DP, the valve can open and close freely. , when selecting the valve, it is necessary to strictly refer to the close DP generated by the valve and actuator and the close DP required by the user. When selecting a steam valve, the close DP generated by the valve and actuator must be greater than the controlled steam pressure.
 2. The close DP generated by the valve and matching actuator does not mean that the valve is suitable for steam at all pressure values below the close DP value. For the applicable steam pressure range of the valve, you need to refer to the applicable medium temperature range of the valve and check the steam temperature-pressure comparison table to ensure that the medium temperature used is within the allowed medium temperature range of the valve and leaves a safety margin.

Products structure and Material

#	Part	Material
①	Stem	SS304
②	Seal	PTFE+ Stainless Steel Spring
③	O-ring	Fluororubber
④	Bonnet	Ductile iron QT450-10
⑤	Body	Ductile iron QT450-10
⑥	Plug	SS304
⑦	Seat	SS304

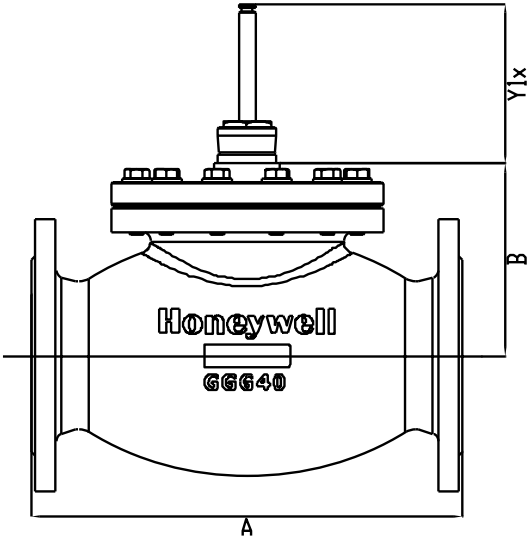


Flow Characteristics Curve

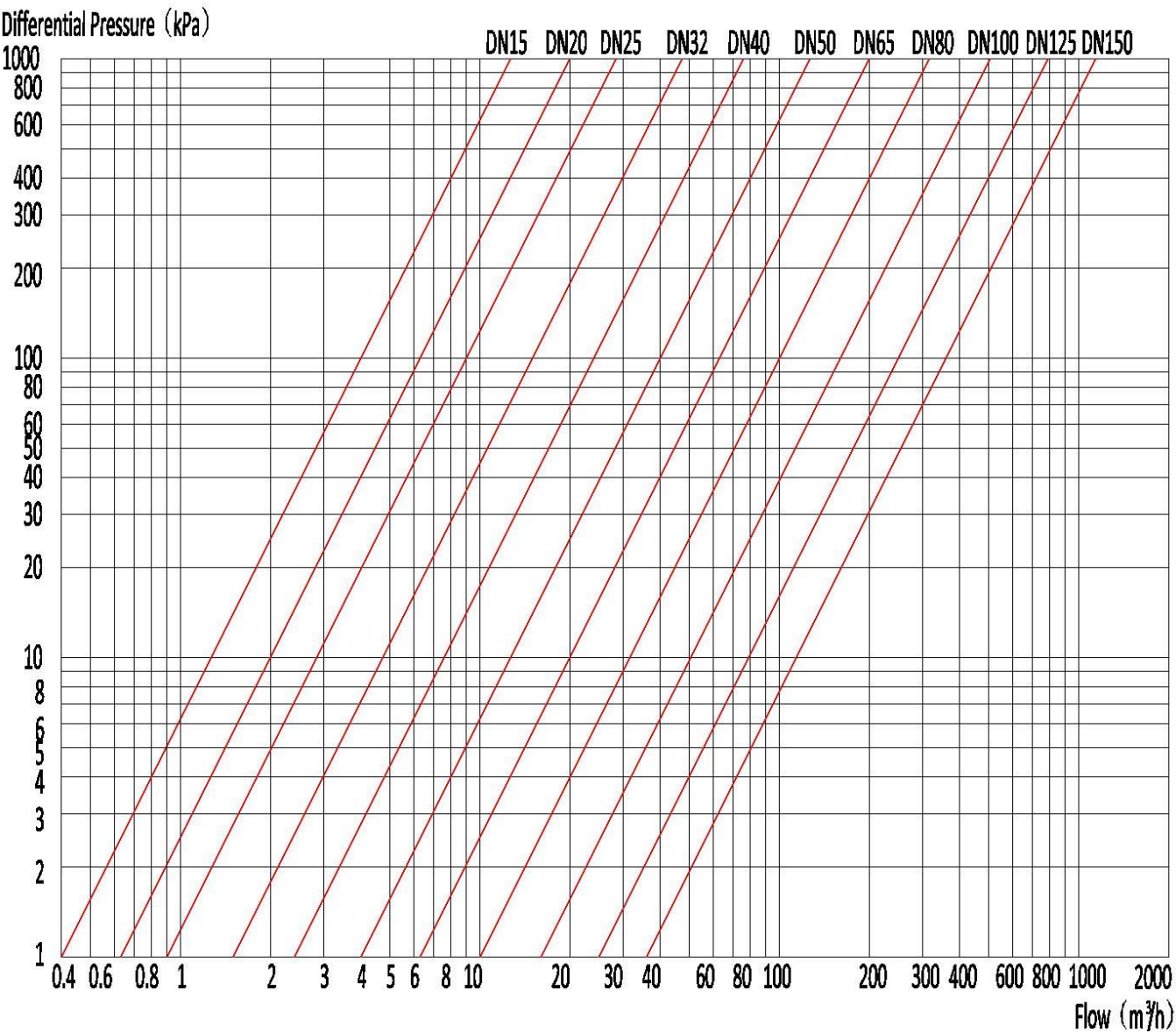


Dimension (mm) and Weight (kg)

SKU	DN	A	B	Y1 _x	Weight
V5GV2S015F-E	DN15	130	76.3	87	3.4
V5GV2S020F-E	DN20	150	76.3	87	4.0
V5GV2S025F-E	DN25	160	78.3	87	4.5
V5GV2S032F-E	DN32	180	93	87	7.2
V5GV2S040F-E	DN40	200	93	87	8.4
V5GV2S050F-E	DN50	230	105.5	87	11.5
V5GV2S065F-E	DN65	290	120	87	17.5
V5GV2S080F-E	DN80	310	132.5	87	24
V5GV2S100F-E	DN100	350	156	131	34.5
V5GV2S125F-E	DN125	400	174	131	48
V5GV2S150F-E	DN150	480	196	131	64



Pressure Drop Chart



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