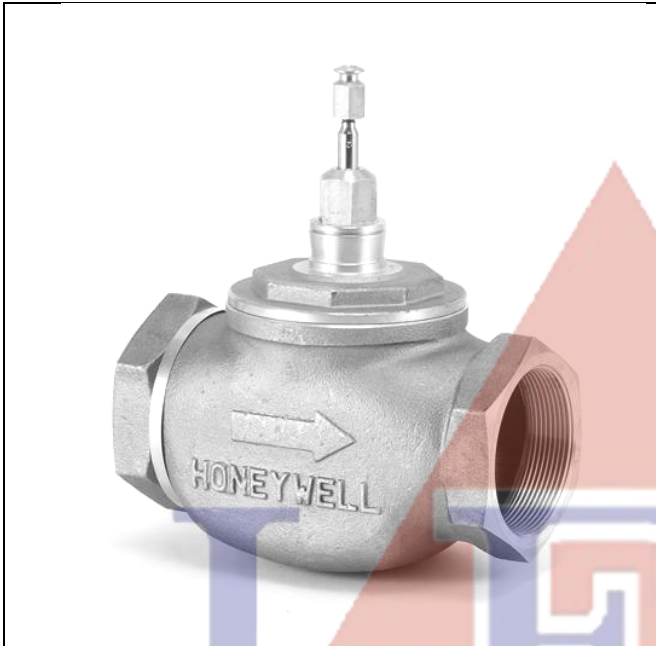


V5211S

THREADED END CONNECTION HIGH CLOSE-OFF PRESSURE RATING LINEAR VALVE

SPECIFICATION DATA



Features

- Stainless Steel body with BSPT-threaded connections.
- High close-off pressure rating, couple with 600Nm actuator (ML6420/ML7420).
- Low seat leakage rate (≤ 0.05 percent of K_{vs}).
- Spring-loaded, self-adjusting packing.
- Accurate positioning to ensure state of the art temperature control.
- Sizes range from DN65 to DN80

Specifications

Action: Stem down to close
 Nominal pressure rating: PN16
 Flow characteristic: See Fig. 2
 Equal percentage

Rangeability: 50:1
 Leakage rate: $\leq 0.05\%$ of k_{vs}
 Stroke: 20 mm

Valve body:
 Pipe connections: Internal BSPT-threaded
 Material: Stainless Steel SUS304
 Dimensions: See Fig. 1

Trim:
 Seat: Stainless Steel SUS304
 Plug: Bronze
 Stem: Stainless steel

Packing: Spring loaded PTFE V-rings
 Medium temperature and pressure: 2 to 120 °C max. 1495 kPa
 Water & Steam 120 to 180 °C max. 1100 kPa

Application

Single seated control or shutoff valve for:

- Hot water
 - Chilled water
 - Domestic Hot Water
 - Steam
- in Heating, Ventilating, Air Conditioning Systems,
Open Circuits

To be operated by

- electric linear actuators
 as
 ML 6420 / 25
 ML 7420 / 25
 M 6421
 M 7421

Sizes and flow capacities

Order Number	Application	Valve size	K _{Vs}
V5211S1029	Water	DN65	54.0
V5211S2027	Steam		
V5211S1037	Water	DN80	85.7
V5211S2035	Steam		

Installation

Water should meet VDI2035 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.

Spare Parts

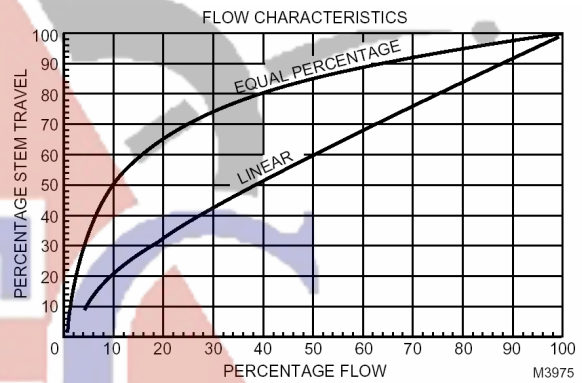
Repair packing kit
14003295-004-2

Close-off Pressure Ratings in kPa

Electric Actuators

Actuator		Valve size	
Type	Force	DN65	DN80
ML6420 / ML6425	600Nm	1000	1000
ML7420 / ML7425			

Fig. 2



Dimension (in in.)

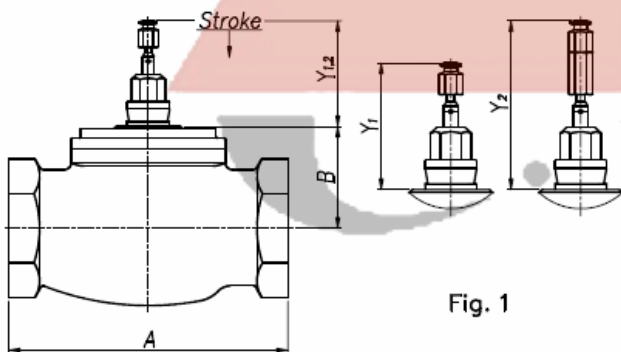


Fig. 1

Valve Size	A	B	Y ₁	Y ₂ *
			Stem down	
DN65	7-1/2	2-3/4	3-1/2	5-1/4
DN80	8-7/8	3-3/16		



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