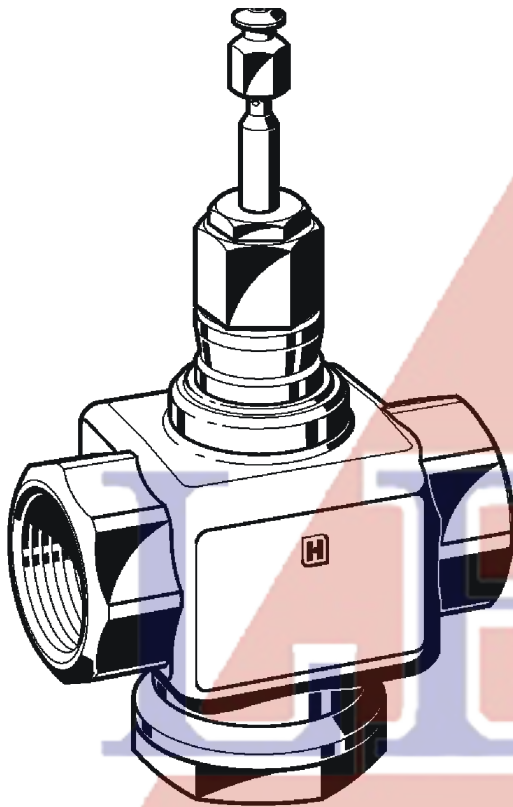


V5211F THREADED END-CONNECTION HIGH CLOSE-OFF PRESSURE RATING LINEAR VALVE

SPECIFICATION DATA



Features

- New designed packing materials for steam application up to 180 C
- Bronze body with threaded end connections
- High close-off pressure rating 1000kPa work with 600N DCA actuator(ML6420/ML7420)
- Low seat leakage rate
- Self adjusting packing
- Accurate positioning to ensure state of the art temperature control
- Directly coupled electric and pneumatic actuators for easy mounting

Specifications

Action: Stem down to close

Nominal pressure rating: ANSI 150

Flow characteristic: Equal percentage

Rangeability: 50:1

Leakage rate: $\leq 0.05\%$ of Cv

Stroke: 20 mm

Valve body:

Pipe connections: Internal BSPT-threaded

Material: Bronze

Dimensions: See Fig. 1

Trim:

Seat: Bronze

Plug: Stainless steel, replaceable

Stem: Stainless steel

Packing: Spring loaded Viton or PTFE reinforced V-rings

Medium temperature and pressure: 2 to 120 C max 1495 kPa

120 to 180 C max 1100 kPa

Water & Steam

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
- pneumatic actuators as MP 953
- ML 7420 / 25

Sizes and flow capacities

Order Number	Application	Valve size	Cv (k _v)
V5211F1004	Water	2 1/2"	63.0 (54.00)
V5211F2002	Steam		
V5211F1012	Water	3"	100.0 (85.7)
V5211F2010	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

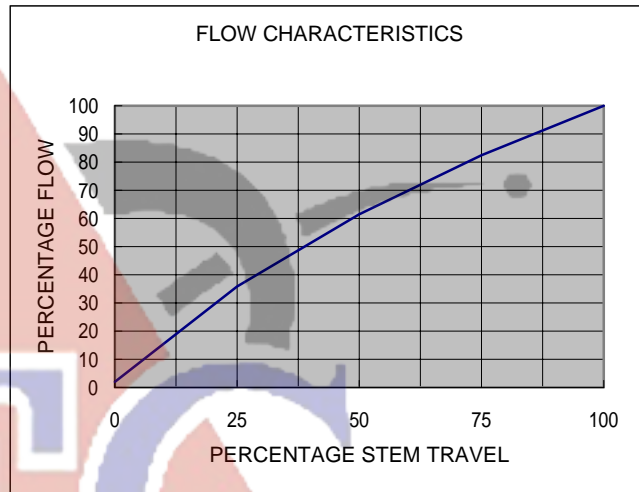
Close-off Pressure Ratings in kPa

Electric Actuators

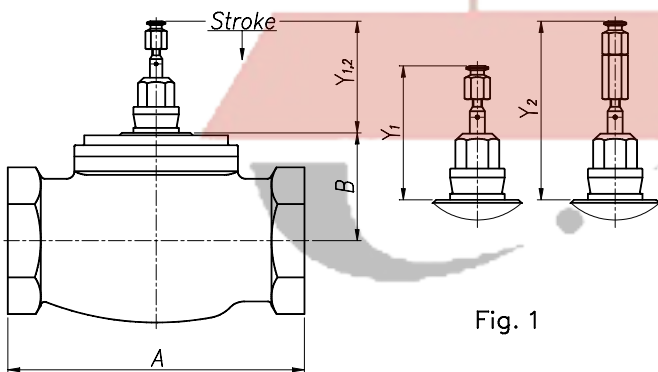
Actuator		Valve size	
Type	Force	2 1/2"	3"
ML6420 / ML6425 ML7420 / ML7425	600N	1000	1000

Pneumatic actuators

Actuator	Valve size	
Type	2 1/2"	3"
MP953	1000	1000



Dimensions (in in.)



Valve Size	A	B	Y ₁	Y ₂ *
			stem down	
2-1/2"	7-1/2	2-3/4	3-1/2	5-1/4
3"	8-7/8	3-3/16		

* Y₂ with stem extension for MP953A,C 8" only

For Actuator dimensions please refer to:

ML6420 / ML6425	ENOC-0623
ML7420 / ML7425	ENOC-0624
MP935	ENOC-0450