

V5211F

THREADED END-CONNECTION HIGH CLOSS-OFF PRESSURE RATING LINEAR VALVE

SPECIFICATION DATA



Features

- 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:	Linear
Rangeability:	50:1
Leakage rate:	≤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 PTFE reinforced V-rings
Temperature Range:	4 to 121 ° C
Temperature Range Max. Pressure:	250psi at 100F(1724kPa at 38C) 217psi at 250F(1495kPa at 121C)
Maximum water differential for quite water service:	20psid

Application

Single seated control or shutoff valve for:

- hot water
- chilled water
- Domestic Hot Water

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	Valve size	Cv (k _{VS})
V5211F1004	2 1/2"	63.0 (54.00)
V5211F1012	3"	100.0 (85.7)

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 MP953

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

Installation

Water should meet VDI2035 requirements.

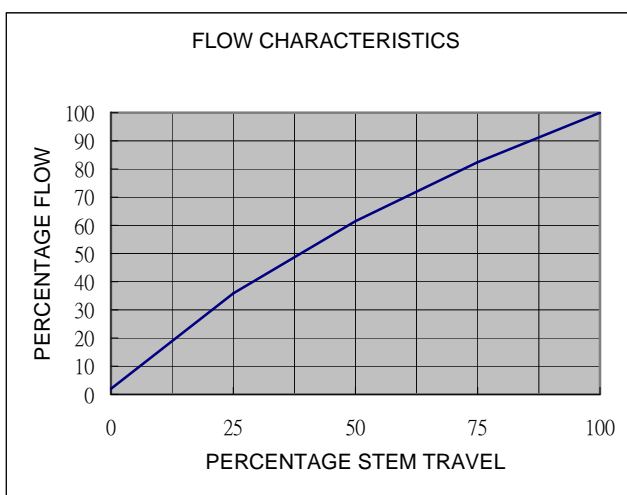
Do not install valve with stem below the horizontal.

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



Dimensions (in in.)

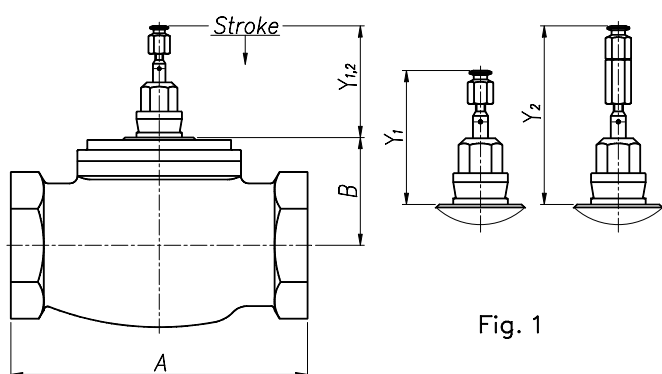


Fig. 1

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	EN0C-0623
ML7420 / ML7425	EN0C-0624
MP935	EN0C-0450

Honeywell