Honeywell

V5015A

FLANGED LINEAR VALVE PN6

PRODUCT DATA

GENERAL

These single seated valves are used for modulating control of hot / chilled water or steam in heating, ventilating and air conditioning systems. The valves can be operated by linear actuators ML6421B and ML7421B or by pneumatic actuators MP953.

FEATURES

- **Cast iron body with flanged end connections**
- **Low seat leakage rate**
- **Metal-to-metal seating for long life span**
- **Self-adjusting packing**
- **Accurate positioning to ensure state-of-the-art temperature control**
- **Easy mounting of direct coupled electric and pneumatic actuators**
- **Constant total flow throughout full plug travel**

SPECIFICATIONS

Action	Stem up to close port A-AB
Nominal pressure rating	PN6
Flow characteristic	Equal percentage port A-AB, n_{gl} = 3.4 linear port B-AB
Rangeability	50:1
Leakage rate	≤ 0.1% of k_{VS} port A-AB ≤ 1% of k_{VS} port B-AB
Stroke	38 mm
Valve body	
End connections	Flanged per ISO 7005-2
Material	Cast iron (GG25)
Dimensions	See Fig. 1
Trim	
Seat	Body integrated
Stem	Stainless steel
Plug	Stainless steel, skirt guided
Packing	Spring-loaded PTFE cone rings
Medium temperature and pressure	2 ... 120 °C; max. 600 kPa
Maximum temperature differential in alternating hot/cold water use	60 K

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SIZES AND FLOW CAPACITIES

order number	valve size	k_{VS}
V5015A1151	DN100	140
V5015A1169	DN125	220
V5015A1177	DN150	310

INSTALLATION

- Water should meet VDI 2035 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.

REPAIR PACKING KIT

Part No.: R 43 176 754 - 005

CLOSE OFF PRESSURE RATINGS in kPa

Electric Actuators

actuator		valve size		
model	force	DN100 (k_{VS} 140)	DN125 (k_{VS} 220)	DN150 (k_{VS} 310)
ML6421B, ML7421B	1800 N	150	120	80

Pneumatic Actuators

actuator model	actuator spring range	air pressure in actuator	closed valve seat	valve size		
				DN100	DN125	DN150
MP953C; (13“)	14-48 kPa (2-7 PSI)	0 kPa	upper	110 150	70 150	45 150
MP953A,C; (13“)	14-48 kPa (2-7 PSI)	115 kPa	lower	150 150	150 150	100 120

ACTUATORS

Electric Actuators

actuator (1800 N)	valve size
ML6421B ML7421B	DN100 - DN150

Pneumatic Actuators

actuator		valve size	direct acting	positioner
model	size			
MP953A	13"	DN100 - DN150	x	yes
MP953C	13"		x	no

DIMENSIONS (mm)

Valve

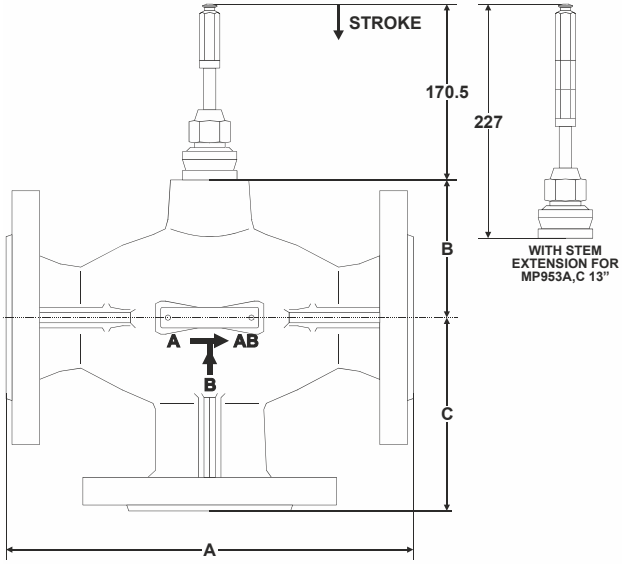

Fig. 1. V5015A, dimensions (in mm), stem up

valve size	A	B	C
DN100	350	100	150
DN125	400	120	175
DN150	480	140	200

Pneumatic Actuators

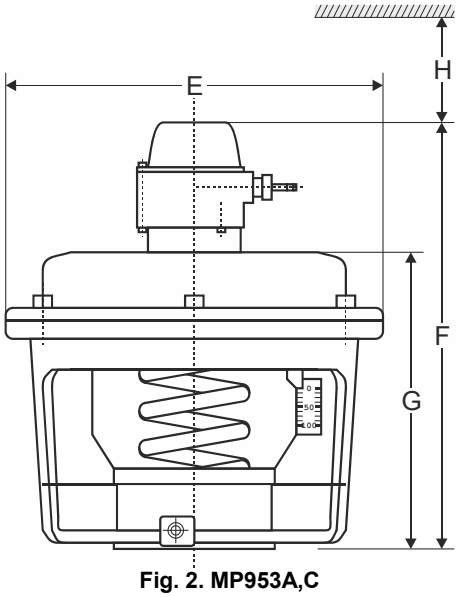

Fig. 2. MP953A,C

model	ØE	F	G	H
MP953A; 13"	343	327	-	200
MP953C; 13"	343	-	255	200

Electric Actuators

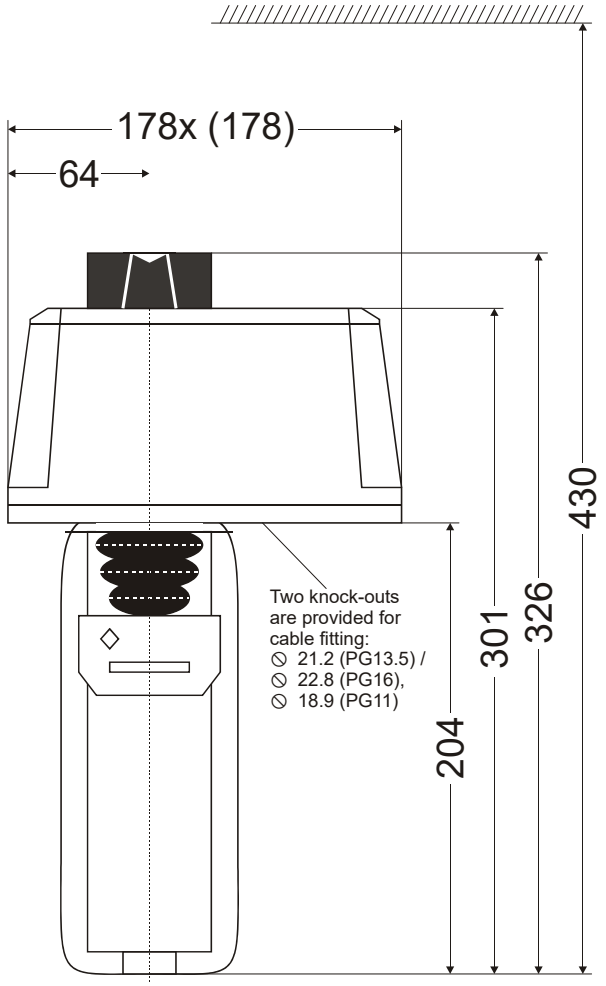

Fig. 3. ML6421B/ML7421B

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Manufactured for and on behalf of the Connected Building Division of Honeywell Technologies Sàrl, Rolle, Z.A. La Pièce 16, Switzerland by its Authorized Representative:

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