

V5329A

3-WAY FLANGED LINEAR VALVE PN16

SPECIFICATION DATA



Feature

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

Specifications

| | |
|--------------------------------------|--------------------------------------------------------------------------------|
| Action | Stem up to close port A-AB |
| Nominal pressure rating | PN16 |
| Valve type | 3-way mixing |
| Flow characteristic | Equal percentage port A-AB, linear port B-AB (see Fig. 1) |
| Rangeability | 50:1 |
| Leakage rate | ≤0.5 % of k_{VS} port A-AB ≤1 % of k_{VS} port B-AB |
| Stroke | 20 mm |
| Valve body | |
| End connections | Flanged per ISO 7005-2 |
| Material | Cast iron (GG25) |
| Dimensions | See Fig. 2 |
| Trim | |
| Seat | Body integrated |
| Plug | Stainless steel, skirt guided |
| Stem | Stainless steel |
| Packing rings | Spring loaded PTFE cone rings |
| Medium temperature and max. pressure | |
| PN16 | 2 ... 120 °C; 1600 kPa 120 ... 150 °C; 1440 kPa 150 ... 170 °C; 1370 kPa |

Application

These three port mixing valves are used for modulating control of hot or chilled water in heating, ventilation and air conditioning systems and can be operated by electric linear actuators as ML6420/6425, ML7420/7425, M6421/7421.

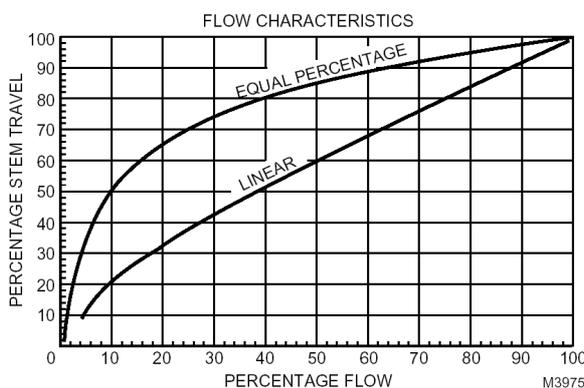


Fig. 1. Characteristics

Maximum temperature differential in alternating hot/cold water use

60 K

Sizes and flow capacities

| Order Number | Valve Size | kvs |
|--------------|------------|-------|
| V5329A2077 | DN65 | 63.0 |
| V5329A2085 | DN80 | 100.0 |

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.

Valve

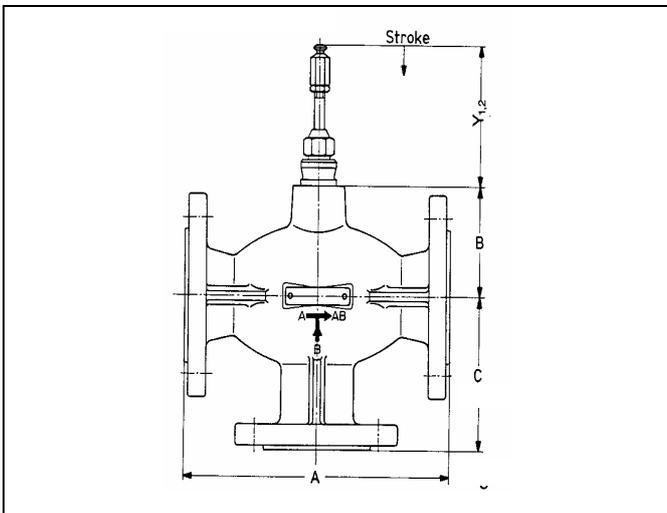


Fig. 2 V5329A

CLOSE OFF PRESSURE RATINGS in kPa

Electric actuators

| Actuator | | Valve Size | |
|------------------------------------------|--------|------------|------|
| Model | Force | DN65 | DN80 |
| ML6420A, ML6425A,B ML7420A, ML7425A,B | 600 N | 160 | 100 |
| ML6421A, ML7421A | 1800 N | 600 | 400 |

DIMENSIONS (mm)

| Valve Size | A | B | C | Y ₁ |
|------------|-----|-----|-----|-------------------------------|
| DN65 | 290 | 105 | 145 | 107 port A-AB closed |
| DN80 | 310 | 112 | 155 | |

Electric actuators

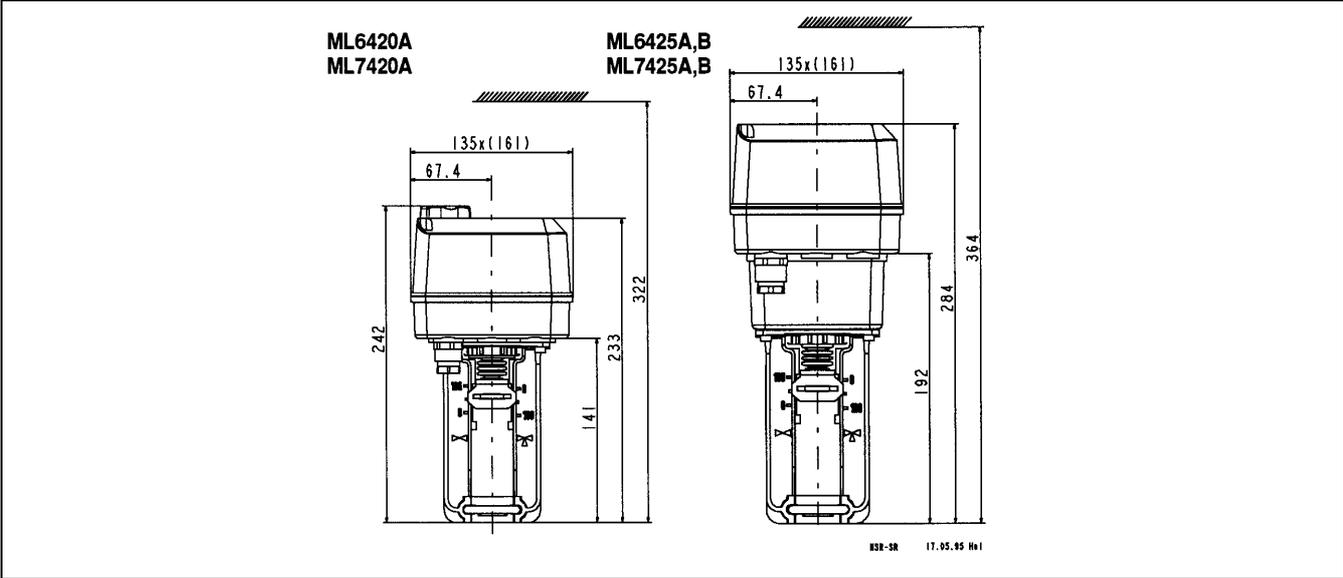


Fig. 3 ML6420A/6425A,B ML7420A/7425A,B

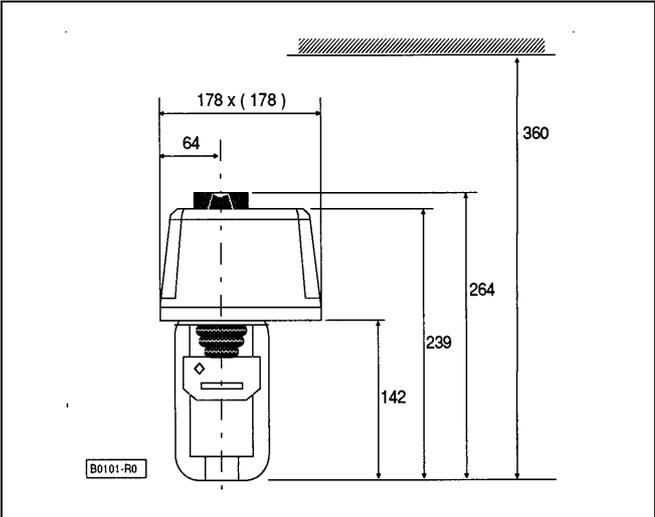


Fig. 4 ML6421A, ML7421A

Repair packing kit

Part No.: 88609019



← CARBON+TEFLON



← O-RING(NBR)

Honeywell

Automation and Control Solutions

Honeywell Taiwan Ltd.
9F, 168 Lien Cheng Road
Chung Ho City, Taipei County, Taiwan
Phone: +886-2-2243 1653
Fax: +886-2-2243 1244

Subject to change without notice. Printed in Taiwan