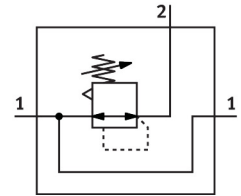
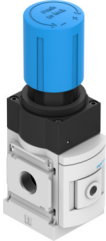


# Precision pressure regulator MS6-LRP-1/4-D7-A8

Part number: 538010

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                               | Value                                                                                           |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Size                                                  | 6                                                                                               |
| Series                                                | MS                                                                                              |
| Actuator lock                                         | Rotary knob with detent                                                                         |
| Mounting position                                     | optional                                                                                        |
| Design                                                | Piloted precision diaphragm control valve                                                       |
| Controller function                                   | Output pressure constant<br>With secondary venting                                              |
| Symbol                                                | 00991973                                                                                        |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | Prepared for G1/8                                                                               |
| Operating pressure                                    | 0.1 MPa ... 1.4 MPa                                                                             |
| Operating pressure                                    | 1 bar ... 14 bar                                                                                |
| Pressure regulation range                             | 0.1 bar ... 12 bar                                                                              |
| Max. pressure hysteresis                              | 0.02 bar                                                                                        |
| Flow rate of secondary exhaust                        | ≥900 l/min                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | ≥3000 l/min                                                                                     |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases                                        |
| Note on operating and pilot medium                    | Ester oil < 0.1mg/m³, according to ISO 8573-1:2010 [---:2]<br>Lubricated operation not possible |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress                                                                   |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L                                                                               |
| Storage temperature                                   | -10 °C ... 60 °C                                                                                |
| Media temperature                                     | -10 °C ... 60 °C                                                                                |
| Ambient temperature                                   | -10 °C ... 60 °C                                                                                |
| Product weight                                        | 850 g                                                                                           |
| Type of mounting                                      | Either:<br>Front panel mounting<br>In-line installation<br>With accessories                     |
| Pneumatic connection, port 1                          | G1/4                                                                                            |
| Pneumatic connection, port 2                          | G1/4                                                                                            |
| Pneumatic connection, port 3                          | G1/4                                                                                            |
| Note on materials                                     | RoHS-compliant                                                                                  |
| Material seals                                        | NBR                                                                                             |
| Material housing                                      | Aluminium                                                                                       |