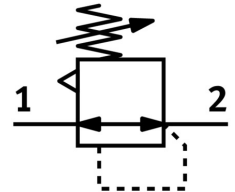


# Precision pressure regulator LRP-1/4-0,7-EX4

Part number: 549918

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                               | Value                                                                       |
|-------------------------------------------------------|-----------------------------------------------------------------------------|
| Size                                                  | 50                                                                          |
| 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                                                | 00991540                                                                    |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | Prepared for G1/8                                                           |
| Operating pressure                                    | 0.1 MPa ... 1.2 MPa                                                         |
| Operating pressure                                    | 1 bar ... 12 bar                                                            |
| Pressure regulation range                             | 0.05 bar ... 0.7 bar                                                        |
| Inlet pressure 1                                      | 1 bar ... 12 bar                                                            |
| Max. pressure hysteresis                              | 0.02 bar                                                                    |
| Standard nominal flow rate                            | 800 l/min                                                                   |
| Explosion protection                                  | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX)          |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases                    |
| Note on operating and pilot medium                    | Lubricated operation not possible                                           |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress                                               |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L                                                           |
| Media temperature                                     | -10 °C ... 60 °C                                                            |
| Ambient temperature                                   | -10 °C ... 60 °C                                                            |
| Product weight                                        | 315 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                                                                        |
| Note on materials                                     | RoHS-compliant                                                              |
| Material seals                                        | NBR                                                                         |
| Material housing                                      | Die-cast aluminium                                                          |