

# Precision pressure regulator

## LRP-1/4-0,7

Part number: 159500

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| 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 ... 20 bar   |
| Max. pressure hysteresis                              | 0.02 bar   |
| Standard nominal flow rate (standardised to DIN 1343) | 800 l/min  |
| 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                                |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L  |
| Media temperature                                     | -10 °C ... 60 °C   |
| Ambient temperature                                   | -10 °C ... 60 °C   |
| Product weight  | 310 g  |
| Type of mounting                                      | 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                                      | Aluminium  |