

# Precision one-way flow control valve GRP-70-PK-3

Part number: 10802

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | One-way flow control function                            |
| Pneumatic connection, port 1  | PK-3   |
| Pneumatic connection, port 2  | PK-3   |
| Type of actuation   | Manual   |
| Adjustment component  | Rotary knob with scale                                   |
| Type of mounting  | Front panel mounting                                     |
| Standard nominal flow rate in flow control direction                                    | 40.7 l/min   |
| Standard nominal flow rate in blocked direction   | 88 l/min   |
| Operating pressure  | 0 bar ... 8 bar  |
| Ambient temperature   | -10 °C ... 50 °C   |
| Material housing  | PA-reinforced  |
| Mounting position   | optional   |
| Symbol  | 00991453   |
| Operating pressure from 2 to 1  | 0 bar ... 8 bar  |
| Standard nominal flow rate in throttle direction for 0.1->0 MPa (1->0 bar, 14.5->0 psi) | 19 l/min   |
| Standard nominal flow rate in return direction for 0.1->0 MPa (1->0 bar, 14.5->0 psi)   | 20 l/min ... 60 l/min                                    |
| Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi)           | 60 l/min   |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)             | 127 l/min  |
| Operating medium  | Compressed air to ISO 8573-1:2010 [5:4:3]<br>Inert gases |
| Note on operating and pilot medium  | Lubricated operation not possible                        |
| LABS (PWIS) conformity  | VDMA24364 zone III                                       |
| Media temperature   | -10 °C ... 50 °C   |
| Product weight  | 48 g   |
| Note on materials   | RoHS-compliant   |
| Material seals  | NBR<br>PVC   |

| <b>Feature</b>             | <b>Value</b>                     |
|----------------------------|----------------------------------|
| Material retaining bracket | Wrought aluminium alloy          |
| Material PK connections    | Wrought aluminium alloy<br>Brass |
| Material screws            | Steel                            |