

# Precision flow control valve GRPO-70-1/8-AL

Part number: 542024

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                                                                 | Value                                                    |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------|
| Valve function                                                                          | Flow control function                                    |
| Pneumatic connection, port 1                                                            | G1/8                                                     |
| Pneumatic connection, port 2                                                            | G1/8                                                     |
| Type of actuation                                                                       | Manual                                                   |
| Adjustment component                                                                    | Rotary knob with scale                                   |
| Type of mounting                                                                        | On sub-base                                              |
| Standard nominal flow rate in flow control direction                                    | 40.7 l/min                                               |
| Operating pressure                                                                      | 0 bar ... 8 bar                                          |
| Ambient temperature                                                                     | -10 °C ... 50 °C                                         |
| Material housing                                                                        | PA-reinforced                                            |
| Mounting position                                                                       | optional                                                 |
| Symbol                                                                                  | 00991454                                                 |
| Operating pressure from 2 to 1                                                          | 0 bar ... 0.5 bar                                        |
| Standard nominal flow rate in throttle direction for 0.1-→0 MPa (1-→0 bar, 14.5-→0 psi) | 19 l/min                                                 |
| Standard flow rate in flow control direction 0.6-→0 MPa (6-→0 bar, 87-→0 psi)           | 60 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                                                                          | 110 g                                                    |
| Note on materials                                                                       | RoHS-compliant                                           |
| Material sub-base                                                                       | Wrought aluminium alloy                                  |
| Material seals                                                                          | NBR<br>PVC                                               |
| Material screws                                                                         | Steel                                                    |