

Precision one-way flow control valve GRP-160-1/8-AL

Part number: 542023

FESTO

Serves for precise adjustment of the flow rate, with non-return function.



Data sheet

| Feature | Value |
|--|---|
| Valve function | One-way flow control function |
| Pneumatic connection, port 1 | G1/8 |
| Pneumatic connection, port 2 | G1/8 |
| Type of actuation | manual |
| Adjusting element | Rotary knob with scale |
| Mounting type | On subbase |
| Standard nominal flow rate in flow control direction | 75.8 l/min |
| Standard nominal flow rate in non-return direction | 245 l/min |
| Working pressure | 0 ... 8 bar |
| Ambient temperature | -10 ... 50 °C |
| Material housing | PA-reinforced |
| Assembly position | Any |
| Working pressure from 2 to 1 | 0 ... 8 bar |
| Standard nominal flow rate in flow control direction from 0.1->0 MPa (1->0 bar, 14.5->0 psi) | 38 l/min |
| Standard nominal flow rate in non-return direction from 0.1->0 MPa (1->0 bar, 14.5->0 psi) | 25 ... 90 l/min |
| Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 129 l/min |
| Standard flow rate in non-return direction at 0.6->0 MPa (6->0 bar, 87->0 psi) | 245 l/min |
| Operating medium | Compressed air to ISO8573-1:2010 [5:4:3] Inert gases |
| Note on operating and pilot medium | Lubricated operation not possible |
| PWIS conformity | VDMA24364 zone III |
| Medium temperature | -10 ... 50 °C |
| Product weight | 110 g |
| Materials note | Conforms to RoHS |
| Material of connecting plate | Wrought Aluminum alloy |
| Material seals | NBR PVC |
| Material screws | Steel |