

# Precision one-way flow control valve GRP-10-PK-3

Part number: 12743

**FESTO**



## Data sheet

| Feature                                                                 | Value                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------------|
| Valve function                                                          | One-way flow control function                                |
| Pneumatic connection 1                                                  | PK-3                                                         |
| Pneumatic connection 2                                                  | PK-3                                                         |
| Actuation type                                                          | Manual                                                       |
| Adjusting element                                                       | Rotary knob with scale                                       |
| Type of mounting                                                        | Front panel mounting                                         |
| Standard nominal flow rate in flow control direction                    | 3.8 l/min                                                    |
| Standard nominal flow rate in non-return direction                      | 95 l/min                                                     |
| Operating pressure                                                      | 0 bar...8 bar                                                |
| Ambient temperature                                                     | -10 °C...50 °C                                               |
| Housing material                                                        | PA-reinforced                                                |
| Mounting position                                                       | Any                                                          |
| Operating pressure from 2 to 1                                          | 0 bar...8 bar                                                |
| Standard nominal flow rate in flow control direction from 1bar to 0 bar | 1.65 l/min                                                   |
| Standard nominal flow rate in non-return direction from 1 bar to 0 bar  | 15 l/min...50 l/min                                          |
| Standard flow rate in flow control direction 6 -> 0 bar                 | 5.2 l/min                                                    |
| Standard flow rate in non-return direction at 6 -> 0 bar                | 131 l/min                                                    |
| Operating medium                                                        | Compressed air as per ISO 8573-1:2010 [5:4:3]<br>Inert gases |
| Information on operating and pilot media                                | Operation with oil lubrication not possible                  |
| LABS (PWIS) conformity                                                  | VDMA24364 Zone III                                           |
| Temperature of medium                                                   | -10 °C...50 °C                                               |
| Product weight                                                          | 48 g                                                         |
| Note on materials                                                       | RoHS compliant                                               |
| Seals material                                                          | NBR<br>PVC                                                   |
| Retainer bracket material                                               | Wrought aluminum alloy                                       |

| Feature                 | Value                           |
|-------------------------|---------------------------------|
| PK connections material | Wrought aluminum alloy<br>Brass |
| Material of screws      | Steel                           |