

One-way flow control valve CRGRLA-1/4-B

Part number: 161405

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|--|
| Valve function | One-way flow control function |
| Pneumatic connection 1 | G1/4 |
| Pneumatic connection 2 | G1/4 |
| Actuation type | Manual |
| Adjusting element | Slotted screw |
| Type of mounting | Screw-in |
| Standard nominal flow rate in flow control direction | 610 l/min |
| Standard nominal flow rate in non-return direction | 450 l/min ... 820 l/min |
| Operating pressure | 0.03 MPa ... 1 MPa |
| Operating pressure | 0.3 bar ... 10 bar |
| Operating pressure | 4.35 psi ... 145 psi |
| Ambient temperature | -20 °C ... 80 °C |
| Maritime classification | See certificate |
| Explosion prevention and protection | Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) |
| Mounting position | Any |
| Symbol | 00991452 |
| Rotatability | 360 deg/continuous swiveling not permissible |
| Standard flow rate in flow control direction 6 -> 0 bar | 1265 l/min |
| Standard flow rate in non-return direction at 6 -> 0 bar | 1030 l/min ... 1345 l/min |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Suitability for the production of Li-ion batteries | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1 |
| Storage temperature | -10 °C ... 40 °C |
| For use in the food industry | See supplementary material information |

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|---|----------------------------|
| Temperature of medium | -10 °C ... 60 °C |
| Nominal width | 6 mm |
| Max. tightening torque | 11 Nm |
| Permissible actuation moment, adjusting screw | 1.5 Nm |
| Product weight | 71.6 g |
| Note on materials | RoHS compliant |
| Seals material | FPM PVC |
| Hollow bolt material | High-alloy steel |
| Material of adjusting screw | high-alloy stainless steel |
| Swivel joint material | high-alloy stainless steel |