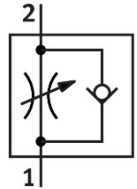


# One-way flow control valve CRGRLA-1/8-B

Part number: 161404

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                                  | Value                                                                                                                                                                                                                             |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Valve function                                           | Flow control non-return function                                                                                                                                                                                                  |
| Pneumatic connection 1                                   | G1/8                                                                                                                                                                                                                              |
| Pneumatic connection 2                                   | G1/8                                                                                                                                                                                                                              |
| Actuation type                                           | Manual                                                                                                                                                                                                                            |
| Adjusting element                                        | Slotted screw                                                                                                                                                                                                                     |
| Type of mounting                                         | Screw-in                                                                                                                                                                                                                          |
| Standard nominal flow rate in flow control direction     | 340 l/min                                                                                                                                                                                                                         |
| Standard nominal flow rate in non-return direction       | 260 l/min ... 420 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<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>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  | 580 l/min                                                                                                                                                                                                                         |
| Standard flow rate in non-return direction at 6 -> 0 bar | 530 l/min ... 590 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       | Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class                                          | Class 4 according to ISO 14644-1                                                                                                                                                                                                  |
| Storage temperature                                      | -10 °C ... 40 °C                                                                                                                                                                                                                  |
| For use in the food industry                             | See supplementary material information                                                                                                                                                                                            |
| Temperature of medium                                    | -10 °C ... 60 °C                                                                                                                                                                                                                  |
| Nominal width                                            | 4 mm                                                                                                                                                                                                                              |
| Max. tightening torque                                   | 6 Nm                                                                                                                                                                                                                              |

| Feature                                       | Value                      |
|-----------------------------------------------|----------------------------|
| Permissible actuation moment, adjusting screw | 0.5 Nm                     |
| Product weight                                | 37.8 g                     |
| Note on materials                             | RoHS-compliant             |
| Seals material                                | FPM<br>PVC                 |
| Hollow bolt material                          | High-alloy steel           |
| Material of adjusting screw                   | High-alloy stainless steel |
| Swivel joint material                         | High-alloy stainless steel |