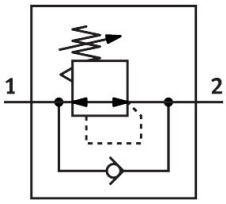
# Pressure regulator
# MS2-LR-QS6-D6-A8-B

Part number: 8086640






General operating condition

## Data sheet

| Feature | Value |
|---|---|
| Size | 2 |
| Series | MS |
| Actuator lock | Rotary knob with detent |
| Mounting position | Any |
| Structural design | Directly controlled diaphragm regulator |
| Controller function | Outlet pressure constant<br>With secondary exhausting<br>With return flow function |
| Symbol | 00991559 |
| Pressure gauge | G1/8 prepared |
| Operating pressure | 0.1 MPa ... 0.8 MPa |
| Operating pressure | 1 bar ... 8 bar |
| Pressure regulation range | 0.5 bar ... 7 bar |
| Max. pressure hysteresis | 0.025 MPa |
| Max. pressure hysteresis | 0.25 bar |
| Max. pressure hysteresis | 3.625 psi |
| Standard nominal flow rate | 350 l/min |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom class | Class 4 according to ISO 14644-1 |
| Storage temperature | -5 °C ... 50 °C |
| Temperature of medium | -5 °C ... 50 °C |
| Ambient temperature | -5 °C ... 50 °C |
| Product weight | 28.3 g |
| Type of mounting | With accessories |
| Pneumatic connection 1 | QS-6 |
| Pneumatic connection 2 | QS-6 |
| Note on materials | RoHS-compliant |
| Lower cover material | PA |
| Seals material | NBR |
| Rotary knob material | POM |
| Material of spring | High-alloy steel |

| Feature | Value |
|---|---|
| Housing material | PA-reinforced |
| Diaphragm material | NBR |
| Valve tappet material | Wrought aluminum alloy<br>NBR |