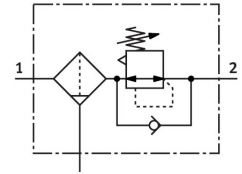


# Filter regulator MS2-LFR-QS6-D6-C-P-M-A8-B

Part number: 8086646

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                          | Value                                                                              |
|----------------------------------|------------------------------------------------------------------------------------|
| Size                             | 2                                                                                  |
| Series                           | MS                                                                                 |
| Actuator lock                    | Rotary knob with detent                                                            |
| Mounting position                | Vertical +/- 5°                                                                    |
| Grade of filtration              | 5 µm                                                                               |
| Condensate drain                 | Manually rotating                                                                  |
| Structural design                | Filter regulator without pressure gauge                                            |
| Max. condensate volume           | 3 ml                                                                               |
| Controller function              | Outlet pressure constant<br>With secondary exhausting<br>With return flow function |
| Symbol                           | 00991590                                                                           |
| 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       | 310 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 7 according to ISO 14644-1                                                   |
| Storage temperature              | -5 °C ... 50 °C                                                                    |
| Air quality class at the output  | Compressed air as per ISO 8573-1:2010 [6:4:4]                                      |
| Temperature of medium            | -5 °C ... 50 °C                                                                    |
| Ambient temperature              | -5 °C ... 50 °C                                                                    |
| Product weight                   | 35.7 g                                                                             |
| Type of mounting                 | With accessories                                                                   |
| Pneumatic connection 1           | QS-6                                                                               |
| Pneumatic connection 2           | QS-6                                                                               |
| Note on materials                | RoHS-compliant                                                                     |
| Seals material                   | NBR                                                                                |

| Feature                        | Value                         |
|--------------------------------|-------------------------------|
| Rotary knob material           | POM                           |
| Material of spring             | High-alloy steel              |
| Compressed air filter material | PE                            |
| Housing material               | PA-reinforced                 |
| Diaphragm material             | NBR                           |
| Material of bowl               | PC                            |
| Separating disc material       | POM                           |
| Valve tappet material          | Wrought aluminum alloy<br>NBR |