

**Service unit**  
**MS4-EM1FR-1/4-D6-C-P-M-AG-MPA-WP-F1A-B**  
 Part number: 8176522

**FESTO**



**Data sheet**

 [General operating condition](#)

| Feature                                                              | Value                                                              |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| Size                                                                 | 4                                                                  |
| Series                                                               | MS                                                                 |
| Mounting position                                                    | Vertical +/-5°                                                     |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL)                | With pressure gauge                                                |
| Operating pressure                                                   | 0.1 MPa ... 1 MPa                                                  |
| Operating pressure                                                   | 1 bar ... 10 bar                                                   |
| Operating pressure                                                   | 14.5 psi ... 145 psi                                               |
| Standard nominal flow rate, exhaust 0.6->0 MPa (6->0 bar, 87->0 psi) | 1400 l/min                                                         |
| Standard nominal flow rate (standardised to DIN 1343)                | 1500 l/min                                                         |
| Operating medium                                                     | Compressed air to ISO 8573-1:2010 [7:4:4]                          |
| Note on operating and pilot medium                                   | Compatibility with ester oil not guaranteed                        |
| Corrosion resistance class CRC                                       | 1 - Low corrosion stress                                           |
| LABS (PWIS) conformity                                               | VDMA24364-B1/B2-L                                                  |
| Suitability for the production of Li-ion batteries                   | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Storage temperature                                                  | -5 °C ... 50 °C                                                    |
| Media temperature                                                    | -5 °C ... 50 °C                                                    |
| Ambient temperature                                                  | -5 °C ... 50 °C                                                    |
| Product weight                                                       | 470 g                                                              |
| Type of mounting                                                     | With mounting bracket<br>With accessories                          |
| Note on materials                                                    | RoHS compliant                                                     |