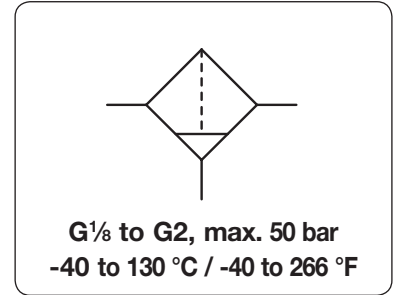


|                           |  |
|---------------------------|--|
| <b>Description</b>        | Filter with bowl without sight glass, extremely robust, for compressed air, non-corrosive gases or liquids.  |
| <b>Filter element</b>     | 50 µm, optionally 5 µm, made of stainless steel  |
| <b>Bowl</b>               | stainless steel version without sight glass  |
| <b>Drainage</b>           | screw plug as standard, optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)   |
| <b>Operating pressure</b> | max. 50 bar (without drain)  |
| <b>Temperature range</b>  | 0 °C to 60 °C / 32 °F to 140 °F for NBR/Buna-N or FKM,<br>for appropriately conditioned compressed air down to -20 °C / -4 °F<br>0 °C to 130 °C / 32 °F to 266 °F for high temperature version<br>-40 °C to 60 °C / -40 °F to 140 °F for low temperature version |
| <b>Material</b>           | Body: brass<br>Bowl: stainless steel 316L, material no 1.4404, brass at FM-01/-A2<br>Elastomer: NBR/Buna-N, optionally FKM<br>Inner valve: brass and plastic (not at high temperature version)   |



| Dimensions |    |    | Bowl    | Flow     | Supply              | Filter | Connection | Order  |
|------------|----|----|---------|----------|---------------------|--------|------------|--------|
| A          | B  | C  | Design  | Capacity | rate                | max.   | element    | number |
| mm         | mm | mm | made of | l        | m <sup>3</sup> /h*1 | bar    | µm         | G      |

| Brass filter up to 50 bar with screw plug, operating pressure max. 50 bar, 50 µm |     |     |                 |      |     |       |    |                               | FM           |
|--|-----|-----|-----------------|------|-----|-------|----|-------------------------------|--------------|
| 40   | 95  | 82  | brass           | 0.04 | 45  | 750   | 50 | G <sup>1</sup> / <sub>8</sub> | <b>FM-01</b> |
|  |     |     |                 | 0.04 | 45  | 750   |    | G <sup>1</sup> / <sub>4</sub> | <b>FM-A2</b> |
| 65   | 147 | 133 | stainless steel | 0.15 | 54  | 900   | 50 | G <sup>1</sup> / <sub>4</sub> | <b>FM-02</b> |
|  |     |     |                 | 0.15 | 60  | 1000  |    | G <sup>3</sup> / <sub>8</sub> | <b>FM-03</b> |
| 80   | 145 | 123 | stainless steel | 0.28 | 150 | 2500  | 50 | G <sup>1</sup> / <sub>2</sub> | <b>FM-04</b> |
|  |     |     |                 | 0.28 | 162 | 2700  |    | G <sup>3</sup> / <sub>4</sub> | <b>FM-A6</b> |
| 100  | 191 | 165 | stainless steel | 0.58 | 432 | 7200  | 50 | G <sup>3</sup> / <sub>4</sub> | <b>FM-06</b> |
|  |     |     |                 | 0.58 | 432 | 7200  |    | G1                            | <b>FM-08</b> |
| 180  | 308 | 223 | stainless steel | 1.00 | 900 | 15000 | 50 | G <sup>1</sup> / <sub>2</sub> | <b>FM-12</b> |
|  |     |     |                 | 1.00 | 960 | 16000 |    | G2                            | <b>FM-16</b> |

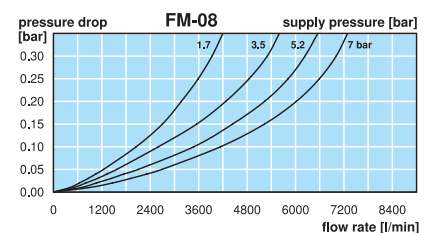
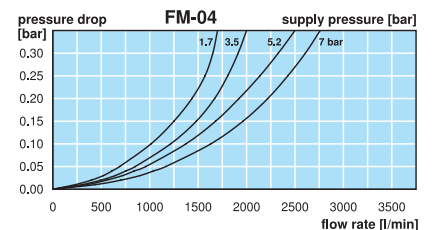
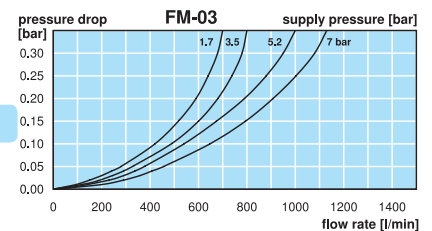
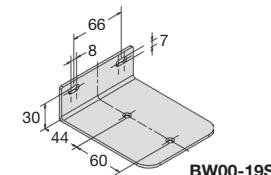
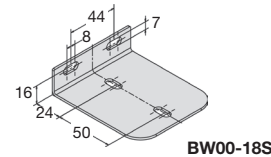
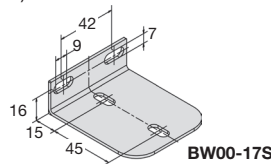
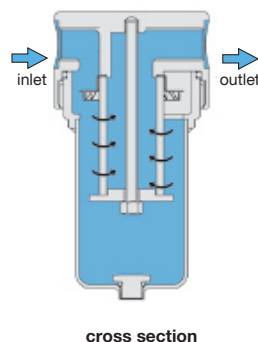
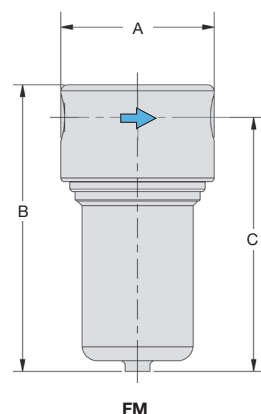


### Special options, add the appropriate letter

|                                   |   |   |           |
|-----------------------------------|---|---|-----------|
| <b>5 µm filter element</b>        |   | for G <sup>1</sup> / <sub>4</sub> (02) and G <sup>3</sup> / <sub>4</sub> (A6) | FM-...G   |
|                                   |   | for G <sup>3</sup> / <sub>4</sub> (06) and G1                                 | FM-...G   |
|                                   |   | for G <sup>1</sup> / <sub>2</sub> and G2                                      | FM-...G   |
| <b>NPT</b>                        |   | connection thread   | FM-...N   |
| <b>down to -40 °C / -40 °F</b>    | low temperature version                           |   | FM-...X51 |
| <b>up to 130 °C / 266 °F</b>      | high temperature version                          |   | FM-...X54 |
| <b>FKM elastomer</b>              |   |   | FM-...V   |
| <b>manual drain</b>               | max. 30 bar                                       |   | FM-...H   |
| <b>automatic drain</b>            | made of SST, max. 16 bar                          | for G <sup>1</sup> / <sub>4</sub> (02) to G2                                  | FM-...R   |
| <b>nitrogen N<sub>2</sub>: 07</b> | <b>carbon dioxide CO<sub>2</sub>: 03</b>          | <b>argon Ar:</b>  | FM-...05  |
| <b>helium He: 09</b>              | <b>hydrogen H<sub>2</sub>: 11</b>                 | <b>methane CH<sub>4</sub>:</b>  | FM-...13  |
| <b>oxygen O<sub>2</sub>: 15</b>   | <b>propane C<sub>3</sub>H<sub>8</sub>: 16</b>     | <b>nitrous oxide N<sub>2</sub>O:</b>  | FM-...17  |
| <b>for water</b>                  | 50 µm only  | for G <sup>1</sup> / <sub>4</sub> (02) to G2                                  | FM-...W   |
| <b>flange connection</b>          | see chapter for stainless steel devices / flanges |   | FM-...F   |

### Accessories, enclosed

|                         |                         |  |                 |
|-------------------------|-------------------------|--|-----------------|
| <b>mounting bracket</b> | made of stainless steel | for G <sup>1</sup> / <sub>4</sub> and G <sup>3</sup> / <sub>8</sub>      | <b>BW00-17S</b> |
|                         |                         | for G <sup>1</sup> / <sub>2</sub> and G <sup>3</sup> / <sub>4</sub> (A6) | <b>BW00-18S</b> |
|                         |                         | for G <sup>3</sup> / <sub>4</sub> (06) and G1                            | <b>BW00-19S</b> |



\*1 at 7 bar operating pressure and 0.33 bar pressure drop

**Extensions:** see chapter for FRL service units  
**Spare parts:** see separate spare parts list

PDF CAD  
www.aircom.net

**Order example:**  
**FM-01**