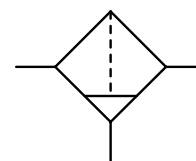


|                              |                                                                                 |
|------------------------------|---------------------------------------------------------------------------------|
| <b>Description</b>           | Good value aluminium regulator of solid design.                                 |
| <b>Filter element</b>        | 0.01 µm coalescing filter (to -04), 5 µm and 50 µm                              |
| <b>Filtration efficiency</b> | coalescing filter: 99.99% based on 0.01 µm particle size                        |
| <b>Bowl</b>                  | metal version with and without sight glass                                      |
| <b>Drainage</b>              | semiautomatic drain as standard, for max. 16 bar                                |
| <b>Operating pressure</b>    | max. 16 bar for metal bowl with sight glass                                     |
| <b>Temperature range</b>     | max. 30 bar for metal bowl without sight glass                                  |
| <b>Material</b>              | -10 °C to 50 °C / -14 °F to 122 °F for metal bowl with sight glass (-01 to -04) |
|                              | -20 °C to 60 °C / -4 °F to 140 °F for metal bowl with sight glass (-06 to -1A)  |
|                              | -20 °C to 80 °C / -22 °F to 176 °F for metal bowl without sight glass           |
|                              | Body: aluminium                                                                 |
|                              | Bowl: aluminium                                                                 |
|                              | Elastomer: NBR/Buna-N                                                           |



**G<sup>1</sup>/<sub>8</sub> up to G2**  
**0.01/5/20/50 µm**

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

## Compressed air filter series "D"

with semiautomatic drain,  
99.99 % at 0.01 µm

**FD**

|     |     |     |                   |      |     |      |    |      |                               |                |
|-----|-----|-----|-------------------|------|-----|------|----|------|-------------------------------|----------------|
| 40  | 145 | 127 | metal/sight glass | 0.05 | 21  | 350  | 16 | 50   | G <sup>1</sup> / <sub>8</sub> | <b>FD-01MJ</b> |
|     |     |     |                   |      | 16  | 270  | 16 | 5    |                               | <b>FD-01MG</b> |
|     |     |     | metal/sight glass | 0.05 | 4   | 70   | 16 | 0.01 |                               | <b>FD-01MI</b> |
| 40  | 145 | 127 | metal/sight glass | 0.05 | 24  | 400  | 16 | 50   | G <sup>1</sup> / <sub>4</sub> | <b>FD-02MJ</b> |
|     |     |     |                   |      | 18  | 300  | 16 | 5    |                               | <b>FD-02MG</b> |
|     |     |     | metal/sight glass | 0.05 | 4   | 70   | 16 | 0.01 |                               | <b>FD-02MI</b> |
| 64  | 176 | 148 | metal/sight glass | 0.18 | 144 | 2400 | 16 | 50   | G <sup>3</sup> / <sub>8</sub> | <b>FD-03MJ</b> |
|     |     |     |                   |      | 108 | 1800 | 16 | 5    |                               | <b>FD-03MG</b> |
|     |     |     | metal/sight glass | 0.18 | 27  | 450  | 16 | 0.01 |                               | <b>FD-03MI</b> |
| 64  | 176 | 148 | metal/sight glass | 0.18 | 156 | 2600 | 16 | 50   | G <sup>1</sup> / <sub>2</sub> | <b>FD-04MJ</b> |
|     |     |     |                   |      | 120 | 2000 | 16 | 5    |                               | <b>FD-04MG</b> |
|     |     |     | metal/sight glass | 0.18 | 30  | 500  | 16 | 0.01 |                               | <b>FD-04MI</b> |
| 130 | 205 | 177 | metal/sight glass | 0.50 | 420 | 7000 | 16 | 50   | G <sup>3</sup> / <sub>4</sub> | <b>FD-06MJ</b> |
|     |     |     |                   |      | 318 | 5300 | 16 | 5    |                               | <b>FD-06MG</b> |
| 130 | 205 | 177 | metal/sight glass | 0.50 | 510 | 8500 | 16 | 50   | G1                            | <b>FD-08MJ</b> |
|     |     |     |                   |      | 384 | 6400 | 16 | 5    |                               | <b>FD-08MG</b> |



FD-01/-02

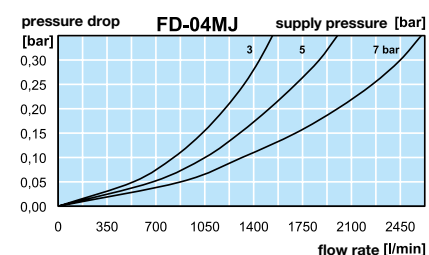
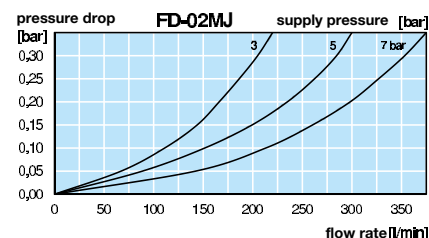
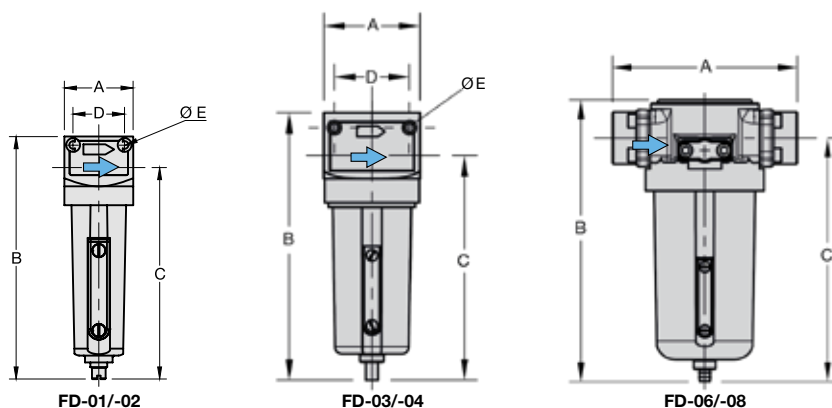


FD-03/-04



FD-06/-08

| Type     | D  | Ø E |
|----------|----|-----|
| FD-01/02 | 30 | 4.5 |
| FD-03/04 | 51 | 5.5 |



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

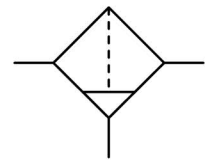
**Extensions:** see chapter for FRL service units

PDF CAD  
www.aircom.net



**Order example:**  
**FD-01MH**

|                              |                                                                                                                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>           | Good value aluminium regulator of solid design.                                                                                                                                                                                          |
| <b>Filter element</b>        | 0.01 µm coalescing filter (to -04), 5 µm and 50 µm                                                                                                                                                                                       |
| <b>Filtration efficiency</b> | coalescing filter: 99.99% based on 0.01 µm particle size                                                                                                                                                                                 |
| <b>Bowl</b>                  | metal version with and without sight glass                                                                                                                                                                                               |
| <b>Drainage</b>              | semiautomatic drain as standard, for max. 16 bar<br>optionally manual drain, for max. 30 bar or automatic drain, for max. 16 bar                                                                                                         |
| <b>Operating pressure</b>    | max. 16 bar for metal bowl with sight glass<br>max. 30 bar for metal bowl without sight glass                                                                                                                                            |
| <b>Temperature range</b>     | -10 °C to 50 °C / 14 °F to 122 °F for metal bowl with sight glass (-01 to -04)<br>-20 °C to 60 °C / -4 °F to 140 °F for metal bowl with sight glass (-06 to -1A)<br>-20 °C to 80 °C / -4 °F to 176 °F for metal bowl without sight glass |
| <b>Material</b>              | Body: aluminium<br>Bowl: aluminium<br>Elastomer: NBR/Buna-N                                                                                                                                                                              |



**G $\frac{1}{8}$  up to G2**  
**0.01/5/20/50 µm**

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

## Compressed air filter series "D"

with semiautomatic drain,  
99.99 % at 0.01 µm

**FD**

|     |     |     |                   |     |            |    |    |                  |                                  |
|-----|-----|-----|-------------------|-----|------------|----|----|------------------|----------------------------------|
| 241 | 205 | 177 | metal/sight glass | 0.5 | 570 9500   | 16 | 50 | G1 $\frac{1}{4}$ | <b>FD-10MJ</b><br><b>FD-10MG</b> |
|     |     |     |                   |     | 432 7200   | 16 | 5  |                  |                                  |
| 241 | 205 | 177 | metal/sight glass | 0.5 | 600 10000  | 16 | 50 | G1 $\frac{1}{2}$ | <b>FD-1AMJ</b><br><b>FD-1AMG</b> |
|     |     |     |                   |     | 450 7500   | 16 | 5  |                  |                                  |
| 174 | 248 | 213 | stainless steel   | 1.0 | 1380 23000 | 15 | 50 | G1 $\frac{1}{2}$ | <b>FD-12MJ</b><br><b>FD-12MG</b> |
|     |     |     |                   |     | 1050 17500 | 15 | 5  |                  |                                  |
| 174 | 248 | 213 | stainless steel   | 1.0 | 1380 23000 | 15 | 50 | G2               | <b>FD-16MJ</b><br><b>FD-16MG</b> |
|     |     |     |                   |     | 1050 17500 | 15 | 5  |                  |                                  |



**FD-10/-1A**



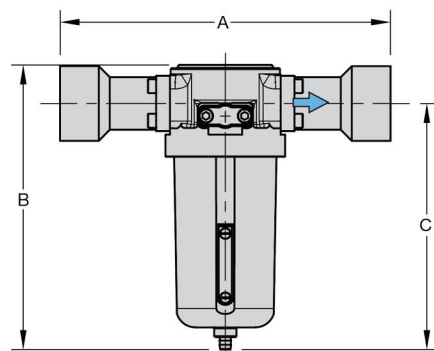
**FD-12/-16**

## Special options, add the appropriate letter

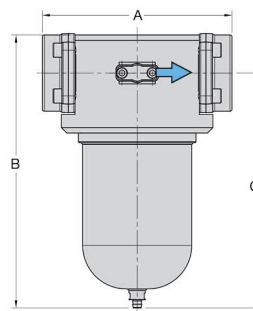
|                                  |                                                 |                                                            |
|----------------------------------|-------------------------------------------------|------------------------------------------------------------|
| <b>operating pressure 30 bar</b> | metal bowl w/o sight glass, with manual drain   | FD- . . N . H                                              |
| <b>manual drain</b>              | max. 16 bar                                     | for G $\frac{1}{8}$ to G1 $\frac{1}{2}$ (1A) FD- . . . . H |
| <b>manual drain</b>              | max. 30 bar                                     | for G1 $\frac{1}{2}$ (12) and G2 FD- 1 . M . H             |
| <b>automatic drain</b>           | draining through float valve, max. 16 bar       | for G $\frac{3}{8}$ to G2 FD- . . . . R                    |
| <b>flange connection</b>         | according to EN-1092-1 or ASME B16.5 on request | FD- . . . . F.                                             |

## Accessories, enclosed

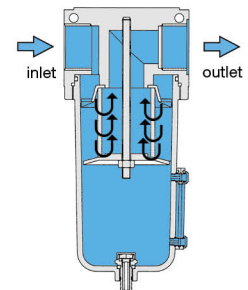
|                         |                         |                                                              |
|-------------------------|-------------------------|--------------------------------------------------------------|
| <b>mounting bracket</b> | made of stainless steel | for G $\frac{3}{8}$ to G1 $\frac{1}{2}$ (1A) <b>BW00-59S</b> |
|                         | made of stainless steel | for G1 $\frac{1}{2}$ (12) and G2 <b>BW00-63S</b>             |



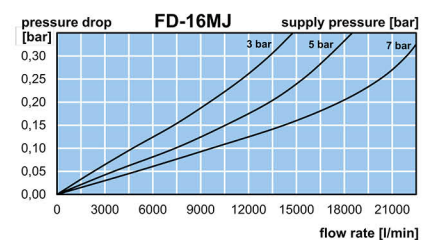
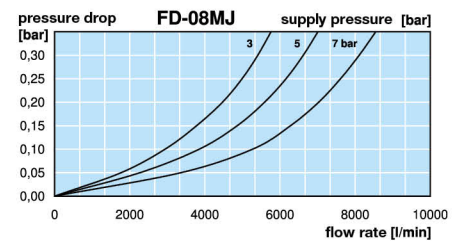
**FD-10 /-1A**



**FD-12/-16**



**cross-section**



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

**Extensions:** see chapter for FRL service units

**PDF CAD**  
www.aircom.net



**Order example:**  
**FD-10MJ**