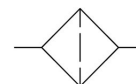


## Filter G1/8"...G1" Series FI18-AC



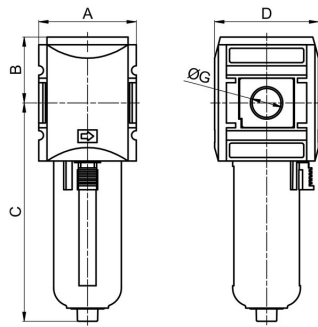
|                     |                                                                                                                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design type         | Activated carbon filter                                                                                                                                                                                                                                                               |
| Function            | Filtering compressed air, for filtering out gaseous impurities                                                                                                                                                                                                                        |
| Quality classes     | Solid particles 1, Oil 1 according to ISO 8573-1, Residual oil content <0,005mg/m <sup>3</sup>                                                                                                                                                                                        |
| Filter element      | Activated carbon                                                                                                                                                                                                                                                                      |
| Connection          | G1/4"...G1" according to ISO228/1                                                                                                                                                                                                                                                     |
| Materials           | Housing Polyamide glass fiber reinforced, Pressure ports Zinc die casting, Condensate reservoir Polycarbonate , Protective cage Polyamide, Seals NBR                                                                                                                                  |
| Medium              | Compressed air                                                                                                                                                                                                                                                                        |
| Medium temperature  | 0...+50°C                                                                                                                                                                                                                                                                             |
| Ambient temperature | 0...+50°C                                                                                                                                                                                                                                                                             |
| Inlet pressure      | 0...16bar                                                                                                                                                                                                                                                                             |
| Flow direction      | is marked by an arrow                                                                                                                                                                                                                                                                 |
| Mounting type       | Installation in piping system or Wall mounting using mounting bracket                                                                                                                                                                                                                 |
| Mounting position   | vertical                                                                                                                                                                                                                                                                              |
| Application note    | The upstream installation of a pre-filter and a micro-filter is necessary.<br>When commissioning the system, the pressure should be increased slowly so that the filter elements are not damaged..<br>Recommended replacement of the filter element: 1000 Operating hours or 1/2 Year |

### Order code

| FI18 - 14 H - AC |                                 |    |  |
|------------------|---------------------------------|----|--|
|                  |                                 |    |  |
| 1/4"             | 14                              |    |  |
| 3/8"             | 38                              |    |  |
| 1/2"             | 12                              |    |  |
| 3/4"             | 34                              |    |  |
| Connection       | 1"                              | 10 |  |
| Flow rate        | Standard (Leave blank)          |    |  |
|                  | high flow rate                  | H  |  |
| Filter element   | Activated carbon filter element | AC |  |



### Dimensional drawing

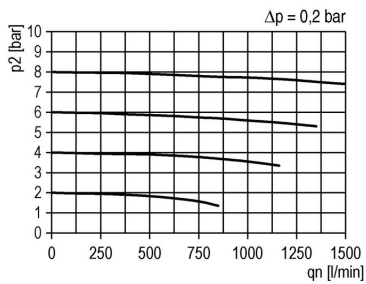


| Connection<br>G | Flow rate at 6 bar*<br>[Nl/min] | max. Inlet pressure<br>[bar] | A  | B  | C   | D  | Weight<br>[approx. kg] | Type        |
|-----------------|---------------------------------|------------------------------|----|----|-----|----|------------------------|-------------|
| G1/4"           | 650                             | 16                           | 52 | 34 | 130 | 54 | 0,3                    | FI18-14H-AC |
| G3/8"           | 650                             | 16                           | 52 | 39 | 130 | 54 | 0,2                    | FI18-38-AC  |
| G3/8"           | 1300                            | 16                           | 63 | 43 | 147 | 67 | 0,4                    | FI18-38H-AC |
| G1/2"           | 1300                            | 16                           | 63 | 48 | 147 | 67 | 0,4                    | FI18-12-AC  |
| G3/4"           | 2000                            | 16                           | 85 | 63 | 189 | 93 | 1                      | FI18-34-AC  |
| G1"             | 2000                            | 16                           | 85 | 63 | 189 | 93 | 0,9                    | FI18-10-AC  |

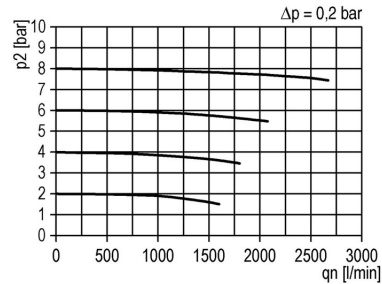
\*Flow rate at inlet pressure 6 bar and 0.2 bar pressure drop

### Flow diagrams

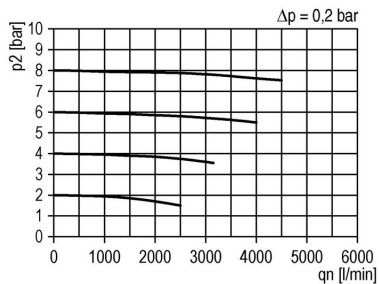
FI18-14H/38-AC



FI18-38H/12-AC



FI18-34/10-AC



### Accessories

| Designation                                                      | Type         |
|------------------------------------------------------------------|--------------|
| Connection set for 2 devices for G1/4" and G3/8" (Type FI18-38)  | MCS18-14H/38 |
| Connection set for 2 devices for G3/8" (Type FI18-38H) and G1/2" | MCS18-38H/12 |
| Connection set for 2 devices for G3/4" and G1"                   | MCS18-34/10  |
| Mounting bracket kit for G1/4" and G3/8" (Type FI18-38)          | MMB18-14H/38 |
| Mounting bracket kit for G3/8" (Type FI18-38H) and G1/2"         | MMB18-38H/12 |
| Mounting bracket kit for G3/4" and G1"                           | MMB18-34/10  |



