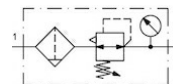


## Filter regulator G1/8" Series Modul FR03



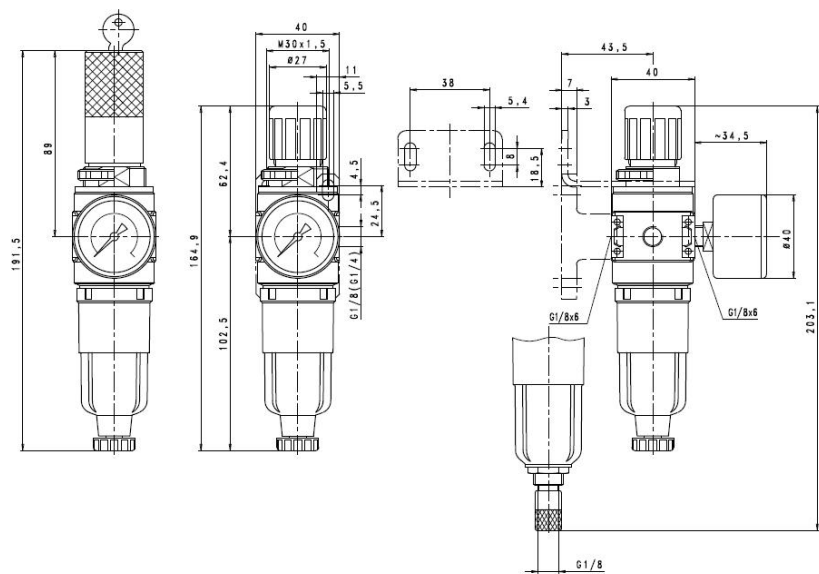
|                     |                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Design type         | Diaphragm pressure regulator with secondary venting, Centrifugal force principle filter, Sintered filter element, semi-automatic drain valve |
| Connection          | G1/8" according to ISO228/1                                                                                                                  |
| Materials           | Housing zinc die-cast, Condensate reservoir Polycarbonate or metal, Seals NBR, Spring cap POM                                                |
| Function            | Secondary pressure regulation                                                                                                                |
| Locking mechanism   | Pressure setting can be locked by pressing in the rotary knob                                                                                |
| Filter element      | 5µm                                                                                                                                          |
| Mounting type       | Installation in piping system, Locknut or Wall mounting using mounting bracket                                                               |
| Mounting position   | vertical, Drain screw bottom                                                                                                                 |
| Medium              | Compressed air                                                                                                                               |
| Medium temperature  | with plastic bowl 0...+60°C, with metal bowl 0...+60°C (with appropriately conditioned compressed air - 10...+60°C)                          |
| Ambient temperature | with plastic bowl 0...+60°C, with metal bowl -10...+60°C                                                                                     |
| Inlet pressure      | maximum 16bar, with automatic drain valve 1,5...16bar                                                                                        |
| Control ranges      | 0,1...3bar and 0,5...10bar (0,2...6bar and 0,5...16bar on request)                                                                           |
| Flow direction      | is marked by an arrow                                                                                                                        |
| Scope of delivery   | including pressure gauge                                                                                                                     |

### Order code

|                       |                                          |                           |        |  |   |  |
|-----------------------|------------------------------------------|---------------------------|--------|--|---|--|
|                       |                                          | FR03 - 18 - 0,1/3 - M - A |        |  |   |  |
| <b>Connection</b>     | 1/8"                                     | 18                        |        |  |   |  |
| <b>Pressure range</b> | 0,1...3bar                               |                           | 0,1/3  |  |   |  |
|                       | 0,2...6bar                               |                           | 0,2/6  |  |   |  |
|                       | 0,5...10bar                              |                           | 0,5/10 |  |   |  |
|                       | 0,5...16bar                              |                           | 0,5/16 |  |   |  |
| <b>Reservoir</b>      | Plastic reservoir (Leave blank)          |                           |        |  |   |  |
|                       | Metal container                          |                           | M      |  |   |  |
| <b>Drain valve</b>    | semi-automatic drain valve (Leave blank) |                           |        |  |   |  |
|                       | automatic drain valve                    |                           |        |  | A |  |



Dimensional drawing



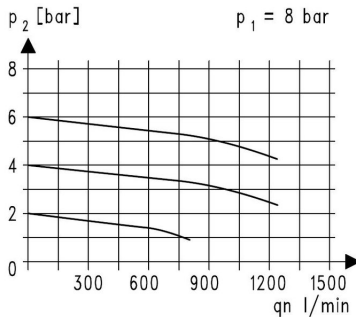
semi-automatic drain valve

automatic drain valve

| Connection | Flow rate at 6 bar*<br>[Nl/min] | max. inlet pressure<br>[bar] | Pressure range<br>[bar] | Type             |
|------------|---------------------------------|------------------------------|-------------------------|------------------|
| G1/8"      | 950                             | 16                           | 0,1...3                 | FR03-18-0,1/3    |
| G1/8"      | 950                             | 16                           | 0,5...10                | FR03-18-0,5/10   |
| G1/8"      | 950                             | 16                           | 0,1...3                 | FR03-18-0,1/3-M  |
| G1/8"      | 950                             | 16                           | 0,5...10                | FR03-18-0,5/10-M |

\*Flow rate data at an inlet pressure of 8 bar, an outlet pressure of 6 bar and a pressure drop of 1 bar

Flow diagram for control range 0,5...10bar



Accessories

| Designation                         | Type        |
|-------------------------------------|-------------|
| Locknut M30x1,5                     | MPN03-18/38 |
| Holding angle bracket with neck nut | MMP03-18/38 |

Illustrations non-binding  
Design, dimensional and material changes reserved

