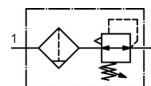


## Filter regulator G1" Series Modul FR03



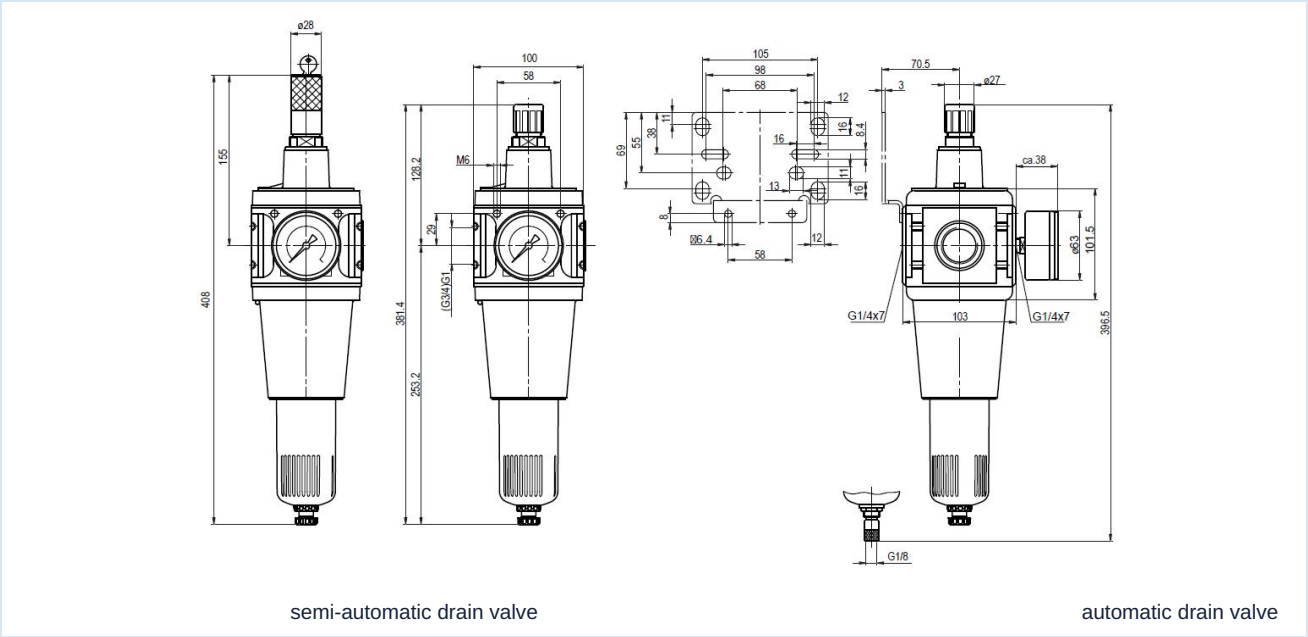
|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design type         | Diaphragm pressure regulator with secondary venting, Centrifugal force principle filter, Sintered filter element, semi-automatic drain valve and Intrinsic air consumption of max. 0,5NI/min |
| Function            | Control of secondary pressure                                                                                                                                                                |
| Locking mechanism   | Pressure setting can be locked by pressing in the rotary knob                                                                                                                                |
| Filter element      | 5µm                                                                                                                                                                                          |
| Connection          | G1" according to ISO228/1                                                                                                                                                                    |
| Materials           | Housing Aluminium, Condensate reservoir Polycarbonate or Metal, Seals NBR, Spring cap POM                                                                                                    |
| 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                                                                                                                                                                        |
| Mounting type       | Installation in piping system or Wall mounting using mounting bracket                                                                                                                        |
| Mounting position   | vertical, Drain screw bottom                                                                                                                                                                 |
| Scope of delivery   | including pressure gauge                                                                                                                                                                     |

### Type code

| FR03 - 10 H - 0,1/3 - P - A |                                          |
|-----------------------------|------------------------------------------|
| <b>Connection</b>           | 1" 10                                    |
| <b>Flow rate</b>            | high flow rate H                         |
| <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)          |
|                             | Plastic reservoir with protective cage P |
|                             | Metal container M                        |
| <b>Drain valve</b>          | semi-automatic drain valve (Leave blank) |
|                             | automatic drain valve A                  |



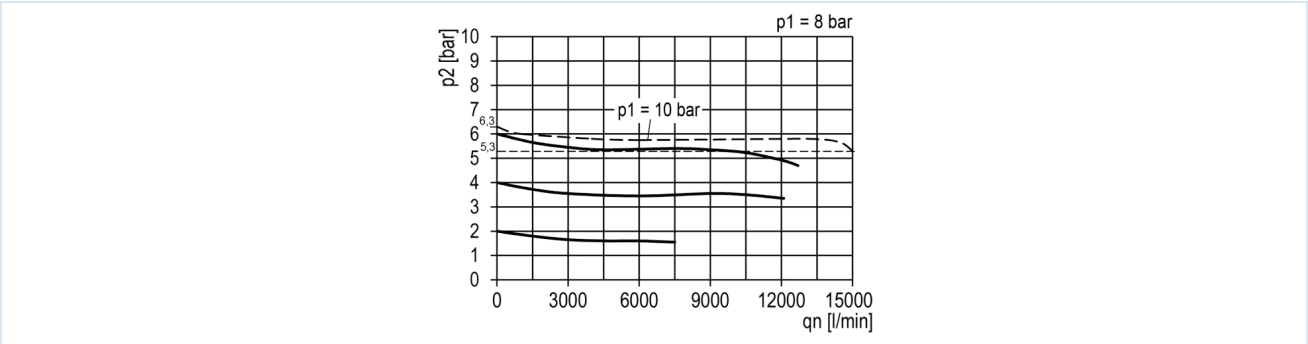
Dimensions



| Connection | Flow rate at 6 bar*<br>[Nl/min] | max. Inlet pressure<br>[bar] | Pressure range<br>[bar] | Type              |
|------------|---------------------------------|------------------------------|-------------------------|-------------------|
| G 1"       | 12000                           | 16                           | 0,1...3                 | FR03-10H-0,1/3    |
| G 1"       | 12000                           | 16                           | 0,5...10                | FR03-10H-0,5/10   |
| G 1"       | 12000                           | 16                           | 0,1...3                 | FR03-10H-0,1/3-P  |
| G 1"       | 12000                           | 16                           | 0,5...10                | FR03-10H-0,5/10-P |
| G 1"       | 12000                           | 16                           | 0,1...3                 | FR03-10H-0,1/3-M  |
| G 1"       | 12000                           | 16                           | 0,5...10                | FR03-10H-0,5/10-M |

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

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



Accessories

| Designation                 | Type           |
|-----------------------------|----------------|
| Holding angle with 2 screws | MMB03-34VH/10H |

Illustrations non-binding  
Design, dimensional and material changes reserved