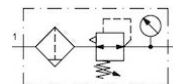


## Filter regulator G1/2" and G3/4" Series Modul FR03



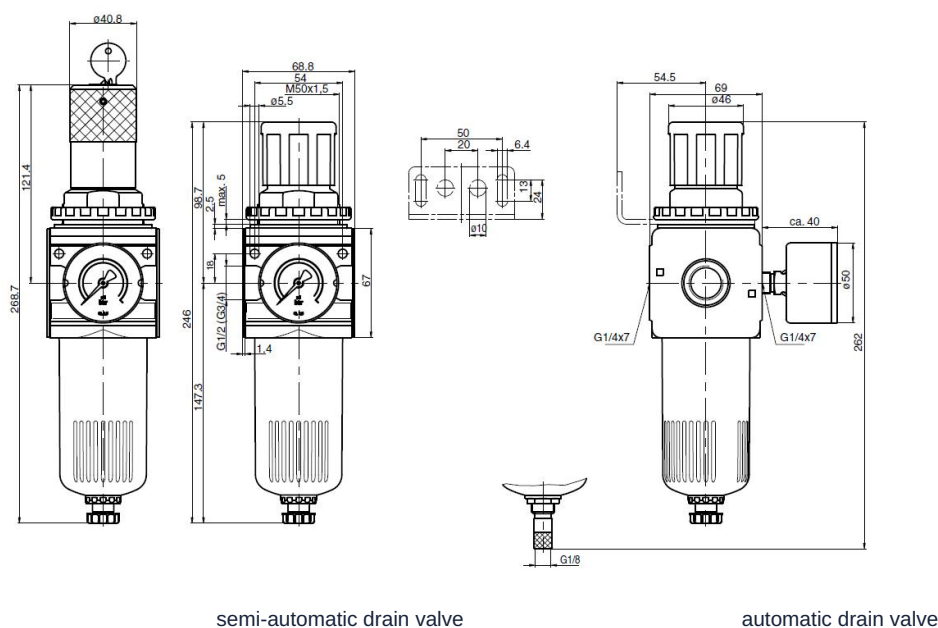
|                     |                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Design type         | Diaphragm pressure regulator with secondary venting, Centrifugal force principle filter, Sintered filter element, semi-automatic drain valve |
| Connection          | G1/2" and G3/4" according to ISO228/1                                                                                                        |
| Materials           | Housing Zinc die casting, 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 - 12 - 0,1/3 - P - A |                                          |        |  |  |
|---------------------------|------------------------------------------|--------|--|--|
|                           | 1/2"                                     | 12     |  |  |
| Connection                | 3/4"                                     | 34     |  |  |
| Pressure range            | 0,1...3bar                               | 0,1/3  |  |  |
|                           | 0,2...6bar                               | 0,2/6  |  |  |
|                           | 0,5...10bar                              | 0,5/10 |  |  |
|                           | 0,5...16bar                              | 0,5/16 |  |  |
| Reservoir                 | Plastic reservoir (Leave blank)          |        |  |  |
|                           | Plastic reservoir with protective cage   | P      |  |  |
|                           | Metal container                          | M      |  |  |
| Drain valve               | semi-automatic drain valve (Leave blank) |        |  |  |
|                           | automatic drain valve                    | A      |  |  |



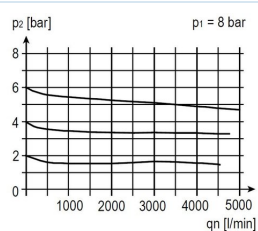
## Dimensional drawing



| Connection | Flow rate at 6 bar*<br>[Nl/min] | max. Inlet pressure<br>[bar] | Pressure range<br>[bar] | Type             |
|------------|---------------------------------|------------------------------|-------------------------|------------------|
| G1/2"      | 3500                            | 16                           | 0,1...3                 | FR03-12-0,1/3    |
| G1/2"      | 3500                            | 16                           | 0,5...10                | FR03-12-0,5/10   |
| G1/2"      | 3500                            | 16                           | 0,1...3                 | FR03-12-0,1/3-P  |
| G1/2"      | 3500                            | 16                           | 0,5...10                | FR03-12-0,5/10-P |
| G1/2"      | 3500                            | 16                           | 0,1...3                 | FR03-12-0,1/3-M  |
| G1/2"      | 3500                            | 16                           | 0,5...10                | FR03-12-0,5/10-M |
| G3/4"      | 3500                            | 16                           | 0,1...3                 | FR03-34-0,1/3    |
| G3/4"      | 3500                            | 16                           | 0,5...10                | FR03-34-0,5/10   |
| G3/4"      | 3500                            | 16                           | 0,1...3                 | FR03-34-0,1/3-P  |
| G3/4"      | 3500                            | 16                           | 0,5...10                | FR03-34-0,5/10-P |
| G3/4"      | 3500                            | 16                           | 0,1...3                 | FR03-34-0,1/3-M  |
| G3/4"      | 3500                            | 16                           | 0,5...10                | FR03-34-0,5/10-M |

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

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



## Accessories

| Designation                    | Type        |
|--------------------------------|-------------|
| Locknut M50x1,5                | MPN03-12/34 |
| Holding angle with nut M50x1,5 | MMP03-12/34 |
| Holding angle with 2 screws    | MMB03-12/34 |

Illustrations non-binding

Design, dimensional and material changes reserved

Version 9

138888 / Generated 2026/39 EN

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