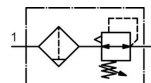


## Filter regulator G3/4" Series Modul FR03



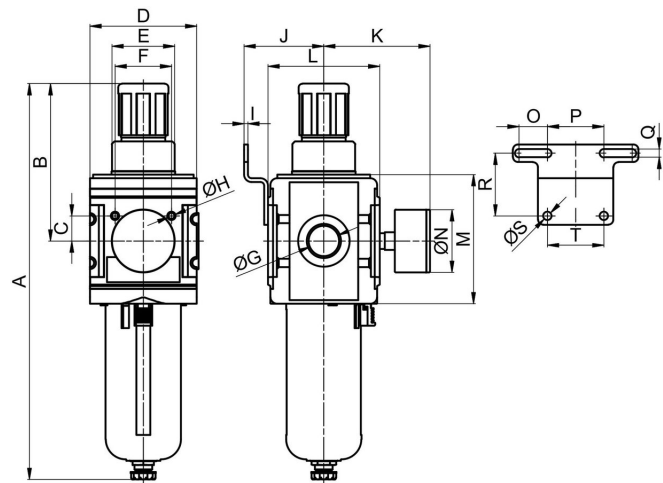
|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. 1,5NI/min |
| Function            | Secondary pressure regulation                                                                                                                                                                |
| Locking mechanism   | Pressure setting can be locked by pressing in the rotary knob                                                                                                                                |
| Filter element      | 5µm                                                                                                                                                                                          |
| Connection          | G3/4" according to ISO228/1                                                                                                                                                                  |
| Materials           | Housing Zinc die casting, Plastic bowl with protective guard Polycarbonate/PA 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      | 1,5...16bar                                                                                                                                                                                  |
| Control ranges      | 0,1...3/0,2...6/0,5...10 and 0,5...16bar                                                                                                                                                     |
| 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 - 34 H - 0,1/3 - P - A |        |   |  |   |  |  |
|----------------|------------------------------------------|-----------------------------|--------|---|--|---|--|--|
| Connection     | 3/4"                                     | 34                          |        |   |  |   |  |  |
| Flow rate      | high flow rate                           | H                           |        |   |  |   |  |  |
| 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 with protective cage   |                             |        | P |  |   |  |  |
|                | Metal container with sight tube          |                             |        | M |  |   |  |  |
| Drain valve    | semi-automatic drain valve (Leave blank) |                             |        |   |  |   |  |  |
|                | automatic drain valve                    |                             |        |   |  | A |  |  |



Dimensional drawing

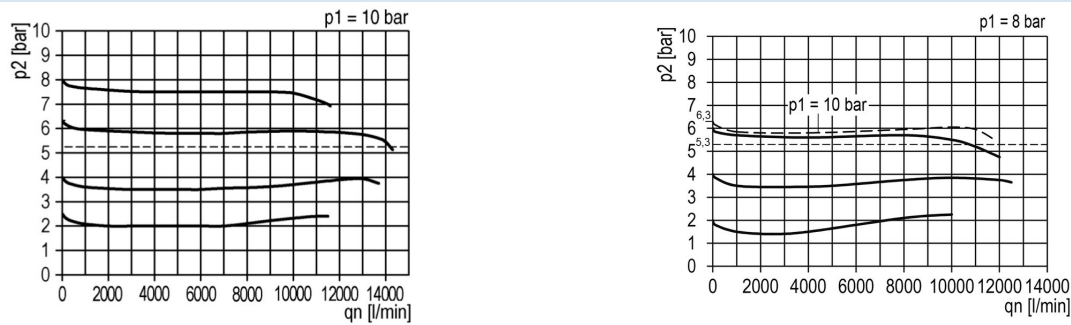


| Connection<br>G | A   | B   | C  | D  | E       | F  | H  | I | J    | K    | L  | M   | N  | O    | P  | Q   | R  | S   | T  |
|-----------------|-----|-----|----|----|---------|----|----|---|------|------|----|-----|----|------|----|-----|----|-----|----|
| G3/4"           | 315 | 125 | 20 | 85 | M50x1,5 | 45 | M6 | 3 | 63,5 | 84,5 | 89 | 103 | 50 | 22,5 | 45 | 6,5 | 50 | 6,5 | 45 |

| Connection | Flow rate at 6.3 bar*<br>[Nl/min] | Flow rate at 6 bar*<br>[Nl/min] | max. Inlet pressure<br>[bar] | Pressure range<br>[bar] | Weight<br>[approx. kg] | Type              |
|------------|-----------------------------------|---------------------------------|------------------------------|-------------------------|------------------------|-------------------|
| G3/4"      | 14000                             | 11400                           | 16                           | 0,1...3                 | 1,3                    | FR03-34H-0,1/3-P  |
| G3/4"      | 14000                             | 11400                           | 16                           | 0,2...6                 | 1,3                    | FR03-34H-0,2/6-P  |
| G3/4"      | 14000                             | 11400                           | 16                           | 0,5...10                | 1,3                    | FR03-34H-0,5/10-P |
| G3/4"      | 14000                             | 11400                           | 16                           | 0,5...16                | 1,3                    | FR03-34H-0,5/16-P |
| G3/4"      | 14000                             | 11400                           | 16                           | 0,1...3                 | 1,8                    | FR03-34H-0,1/3-M  |
| G3/4"      | 14000                             | 11400                           | 16                           | 0,2...6                 | 1,8                    | FR03-34H-0,2/6-M  |
| G3/4"      | 14000                             | 11400                           | 16                           | 0,5...10                | 1,8                    | FR03-34H-0,5/10-M |
| G3/4"      | 14000                             | 11400                           | 16                           | 0,5...16                | 1,8                    | FR03-34H-0,5/16-M |

see positionersee positioner

Flow diagrams for Control range 0,5...10 bar



Accessories

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

Illustrations non-binding  
Design, dimensional and material changes reserved

