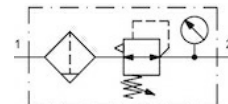


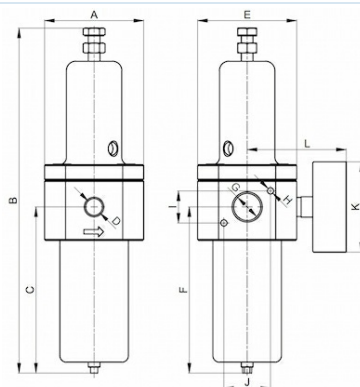
## Filter regulator Series FR09



|                     |                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Design type         | Filter regulator with secondary venting, Filter element Stainless steel, without sight glass, Draining via sealing screw      |
| Function            | Control of secondary pressure and filtration of compressed air                                                                |
| Filter element      | 50µm                                                                                                                          |
| Connection          | G1/4"...G1" according to ISO228/1                                                                                             |
| Materials           | Housing and Reservoir Stainless steel 1.4404, Seals HNBR                                                                      |
| Medium              | Compressed air, other media on request                                                                                        |
| Mounting type       | Installation in piping system, Installation in piping system, Wall mounting using mounting bracket                            |
| Medium temperature  | 0...+100°C (with appropriately conditioned compressed air -40...+100°C)                                                       |
| Ambient temperature | -40...+60°C                                                                                                                   |
| Inlet pressure      | max. 60bar<br>T > 80°C max. 50bar                                                                                             |
| Control ranges      | 0,3...3/ 0,5...8/ 0,5...17,2bar                                                                                               |
| Flow direction      | is marked by an arrow                                                                                                         |
| Mounting position   | vertical, Drain screw bottom                                                                                                  |
| Scope of delivery   | including stainless steel pressure gauge                                                                                      |
| Special version     | Seals EPDM, FKM, Silicone<br>Medium temperature -60...+230°C<br>Filter element 5µm, 25µm<br>Control range 2,5...25/ 5...50bar |



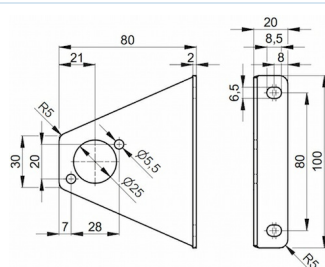
## Dimensional drawing



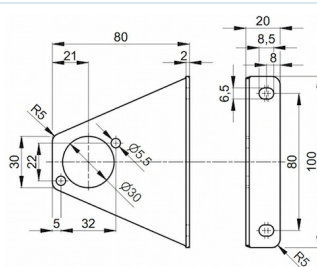
| Connection<br>G | A   | B   | C   | D     | E  | F   | H  | I  | J  | K  | L  | Flow<br>rate*<br>[l/min] | Inlet pressure<br>[bar] | Pressure range<br>[bar] | Weight<br>[approx. kg] | Type              |
|-----------------|-----|-----|-----|-------|----|-----|----|----|----|----|----|--------------------------|-------------------------|-------------------------|------------------------|-------------------|
| G1/4"           | 62  | 234 | 112 | G1/4" | 62 | 112 | M5 | 20 | 28 | 50 | 63 | 4160                     | 60                      | 0,3...3                 | 1,6                    | FR09-14-0.3/3     |
| G1/4"           | 62  | 234 | 112 | G1/4" | 62 | 112 | M5 | 20 | 28 | 50 | 63 | 4160                     | 60                      | 0,5...8                 | 1,6                    | FR09-14-0.5/8     |
| G1/4"           | 62  | 234 | 112 | G1/4" | 62 | 112 | M5 | 20 | 28 | 50 | 63 | 4160                     | 60                      | 0,5...17,2              | 1,6                    | FR09-14-0.5/17.2  |
| G3/8"           | 62  | 234 | 112 | G1/4" | 62 | 112 | M5 | 20 | 28 | 50 | 63 | 4160                     | 60                      | 0,3...3                 | 1,6                    | FR09-38-0.3/3     |
| G3/8"           | 62  | 234 | 112 | G1/4" | 62 | 112 | M5 | 20 | 28 | 50 | 63 | 4160                     | 60                      | 0,5...8                 | 1,6                    | FR09-38-0.5/8     |
| G3/8"           | 62  | 234 | 112 | G1/4" | 62 | 112 | M5 | 20 | 28 | 50 | 63 | 4160                     | 60                      | 0,5...17,2              | 1,6                    | FR09-38-0.5/17.2  |
| G1/2"           | 68  | 237 | 114 | G1/4" | 68 | 114 | M5 | 22 | 32 | 50 | 66 | 5160                     | 60                      | 0,3...3                 | 2,3                    | FR09-12-0.3/3     |
| G1/2"           | 68  | 237 | 114 | G1/4" | 68 | 114 | M5 | 22 | 32 | 50 | 66 | 5160                     | 60                      | 0,5...8                 | 2,3                    | FR09-12-0.5/8     |
| G1/2"           | 68  | 237 | 114 | G1/4" | 68 | 114 | M5 | 22 | 32 | 50 | 66 | 5160                     | 60                      | 0,5...17,2              | 2,3                    | FR09-12-0.5/17.2  |
| G3/4"           | 68  | 237 | 114 | G1/4" | 68 | 114 | M5 | 22 | 32 | 50 | 66 | 5160                     | 60                      | 0,3...3                 | 2,3                    | FR09-34-0.3/3     |
| G3/4"           | 68  | 237 | 114 | G1/4" | 68 | 114 | M5 | 22 | 32 | 50 | 66 | 5160                     | 60                      | 0,5...8                 | 2,3                    | FR09-34-0.5/8     |
| G3/4"           | 68  | 237 | 114 | G1/4" | 68 | 114 | M5 | 22 | 32 | 50 | 66 | 5160                     | 60                      | 0,5...17,2              | 2,3                    | FR09-34-0.5/17.2  |
| G3/4"           | 124 | 263 | 123 | G1/4" | 88 | 123 | M5 | 57 | 33 | 50 | 73 | 14000                    | 60                      | 0,3...3                 | 4,2                    | FR09-34H-0.3/3    |
| G3/4"           | 124 | 263 | 123 | G1/4" | 88 | 123 | M5 | 57 | 33 | 50 | 73 | 14000                    | 60                      | 0,5...8                 | 4,2                    | FR09-34H-0.5/8    |
| G3/4"           | 124 | 263 | 123 | G1/4" | 88 | 123 | M5 | 57 | 33 | 50 | 73 | 14000                    | 60                      | 0,5...17,2              | 4,2                    | FR09-34H-0.5/17.2 |
| G1"             | 124 | 263 | 123 | G1/4" | 88 | 123 | M5 | 57 | 33 | 50 | 73 | 14000                    | 60                      | 0,3...3                 | 4,2                    | FR09-10-0.3/3     |
| G1"             | 124 | 263 | 123 | G1/4" | 88 | 123 | M5 | 57 | 33 | 50 | 73 | 14000                    | 60                      | 0,5...8                 | 4,2                    | FR09-10-0.5/8     |
| G1"             | 124 | 263 | 123 | G1/4" | 88 | 123 | M5 | 57 | 33 | 50 | 73 | 14000                    | 60                      | 0,5...17,2              | 4,2                    | FR09-10-0.5/17.2  |

\* Flow rate at an inlet pressure of 10 bar, outlet pressure of 6.3 bar and 1 bar pressure drop

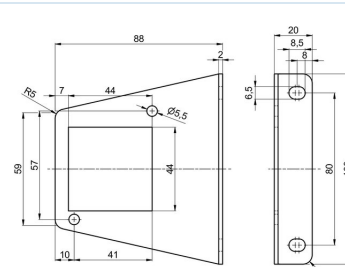
## Zubehör



MB09-14/38



MB09-12/34



MB09-34H/10

| Designation                                     | Type        |
|-------------------------------------------------|-------------|
| Mounting bracket kit (complete) for FR09-14/38  | MB09-14/38  |
| Mounting bracket kit (complete) for FR09-12/34  | MB09-12/34  |
| Mounting bracket kit (complete) for FR09-34H/10 | MB09-34H/10 |

Illustrations non-binding



