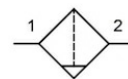


## Fine filter Series FI04



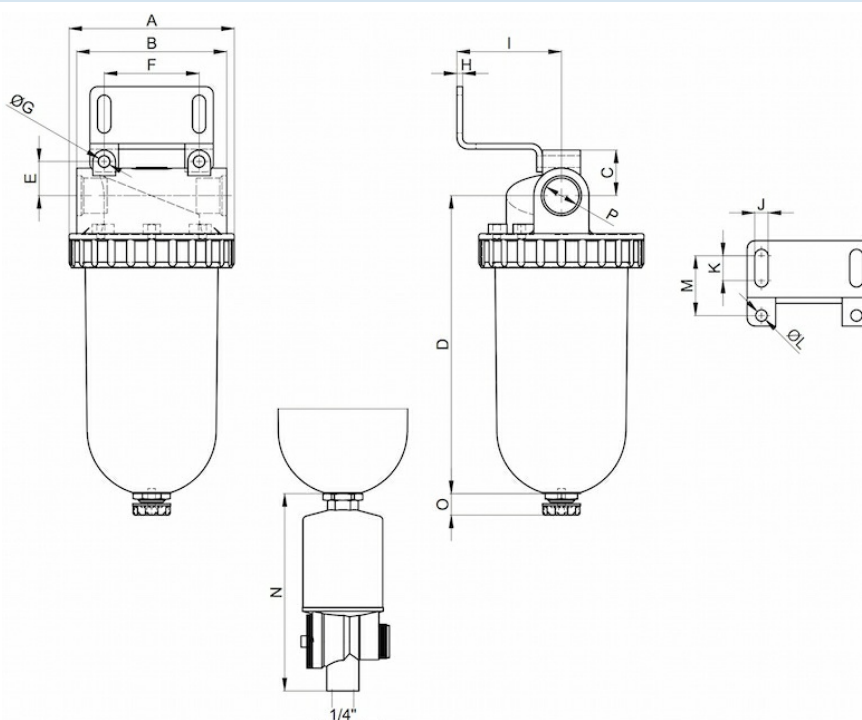
|                     |                                                                                                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design type         | Fine filter, Filter element borosilicate-aluminium<br>Version Plastic reservoir or rather with protective cage - semi-automatic drain valve or rather automatic drain valve<br>Version Metal container - Manual drain valve or rather automatic drain valve                                          |
| Function            | Filtering of compressed air, for separating the finest oil particles                                                                                                                                                                                                                                 |
| Filter element      | 0,01µm, Residual oil content 0,01ppm, Efficiency 99,9999%                                                                                                                                                                                                                                            |
| Connection          | G1/4"...G1" according to ISO228/1                                                                                                                                                                                                                                                                    |
| Materials           | Housing Zinc die casting, Condensate reservoir Polycarbonate or Metal, Seal NBR                                                                                                                                                                                                                      |
| 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 or rather 1,5...25bar loud table, with automatic drain valve 4...12bar                                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                                                                                         |
| Application note    | To protect the filter elements, a standard filter or pre-filter must be installed upstream. When commissioning the system, the pressure should be increased slowly so that the filter elements are not damaged..<br>Recommended replacement of the filter element in case of pressure drop = 0,35bar |



## Type code

|                       |                                                                       |    |   |   |   |       |       |   |   |
|-----------------------|-----------------------------------------------------------------------|----|---|---|---|-------|-------|---|---|
|                       | FI04-                                                                 | 38 | H | - | P | -     | F0,01 | - | A |
|                       | G1/4"                                                                 | 14 |   |   |   |       |       |   |   |
|                       | G3/8"                                                                 | 38 |   |   |   |       |       |   |   |
|                       | G1/2"                                                                 | 12 |   |   |   |       |       |   |   |
|                       | G3/4"                                                                 | 34 |   |   |   |       |       |   |   |
| <b>Connection</b>     | G1"                                                                   | 10 |   |   |   |       |       |   |   |
|                       | Standard (Leave blank)                                                |    |   |   |   |       |       |   |   |
| <b>Flow rate</b>      | high flow rate                                                        |    | H |   |   |       |       |   |   |
|                       | Plastic reservoir (Leave blank)                                       |    |   |   |   |       |       |   |   |
|                       | Plastic reservoir with protective cage                                |    |   |   | P |       |       |   |   |
| <b>Reservoir</b>      | Metal container                                                       |    |   |   | M |       |       |   |   |
|                       |                                                                       |    |   |   |   |       |       |   |   |
| <b>Filter element</b> | 0,01µm                                                                |    |   |   |   | F0,01 |       |   |   |
|                       |                                                                       |    |   |   |   |       |       |   |   |
|                       | semi-automatic drain valve or rather Manual drain valve (Leave blank) |    |   |   |   |       |       |   |   |
| <b>Drain valve</b>    | automatic drain valve                                                 |    |   |   |   |       |       | A |   |

## Dimensional drawing



| Connection<br>P | A   | B   | C  | D   | E  | F  | G   | H | I  | J   | K  | L  | M    | N   | O    | Type     |
|-----------------|-----|-----|----|-----|----|----|-----|---|----|-----|----|----|------|-----|------|----------|
| G1/4"           | 57  | 55  | 19 | 120 | 14 | 38 | 5,3 | 3 | 40 | 5,4 | 8  | M5 | 24   | 104 | 11,5 | FI04-14  |
| G3/8"           | 57  | 48  | 19 | 120 | 14 | 38 | 5,3 | 3 | 40 | 5,4 | 8  | M5 | 24   | 104 | 11,5 | FI04-38  |
| G3/8"           | 76  | 70  | 22 | 134 | 16 | 50 | 6,2 | 3 | 53 | 7   | 13 | M6 | 31,5 | 104 | 11,5 | FI04-38H |
| G1/2"           | 87  | 79  | 24 | 157 | 18 | 50 | 6,2 | 3 | 55 | 7   | 13 | M6 | 31,5 | 104 | 11,5 | FI04-12  |
| G3/4"           | 133 | 133 | 36 | 204 | 29 | 97 | 8,4 | 3 | 74 | 8,4 | 16 | M8 | 35,5 | 104 | 11,5 | FI04-34  |
| G1"             | 133 | 121 | 36 | 204 | 29 | 97 | 8,4 | 3 | 74 | 8,4 | 16 | M8 | 35,5 | 104 | 11,5 | FI04-10  |



| Connection | Flow rate at 6 bar*<br>[Nl/min] | max. Inlet pressure<br>[bar] | Weight<br>[kg] | Type             |
|------------|---------------------------------|------------------------------|----------------|------------------|
| G1/4"      | 380                             | 16                           | 0,40           | FI04-14-F0,01    |
| G1/4"      | 380                             | 16                           | 0,45           | FI04-14-P-F0,01  |
| G1/4"      | 380                             | 25                           | 0,46           | FI04-14-M-F0,01  |
| G3/8"      | 380                             | 16                           | 0,37           | FI04-38-F0,01    |
| G3/8"      | 380                             | 16                           | 0,42           | FI04-38-P-F0,01  |
| G3/8"      | 380                             | 25                           | 0,43           | FI04-38-M-F0,01  |
| G3/8"      | 380                             | 16                           | 0,6            | FI04-38H-F0,01   |
| G3/8"      | 380                             | 16                           | 0,7            | FI04-38H-P-F0,01 |
| G3/8"      | 380                             | 25                           | 0,7            | FI04-38H-M-F0,01 |
| G1/2"      | 850                             | 16                           | 0,9            | FI04-12-F0,01    |
| G1/2"      | 850                             | 16                           | 1,1            | FI04-12-P-F0,01  |
| G1/2"      | 850                             | 25                           | 1,1            | FI04-12-M-F0,01  |
| G3/4"      | 4000                            | 16                           | 2,0            | FI04-34-F0,01    |
| G3/4"      | 4000                            | 25                           | 2,7            | FI04-34-M-F0,01  |
| G1"        | 4000                            | 16                           | 1,8            | FI04-10-F0,01    |
| G1"        | 4000                            | 25                           | 2,5            | FI04-10-M-F0,01  |

\*Flow rate at inlet pressure 6 bar and 0.2 bar pressure drop - 6bar/ $\Delta p=0,2$ bar

## Accessories

| Designation                                                 | Type               |
|-------------------------------------------------------------|--------------------|
| Holding angle (complete) for G1/4" and G3/8" (Type FI04-38) | MMB04-14/38-F0,01  |
| Holding angle (complete) for G3/8" (Type FI04-38H) and G1/2 | MMB04-38H/12-F0,01 |
| Holding angle (complete) for G3/4" and G1"                  | MMB04-34/10-F0,01  |

Illustrations non-binding

Design, dimensional and material changes reserved

Pneumatics / Regulators, filters and lubricators / Maintenance devices - series Gold / Micro filter Series Gold FI04-M-F0,01

