

Filter Housing MSS / 100 / 250 / 400

High pressure filter housing

DESCRIPTION

MSS / 100 / 250 / 400 stainless steel high pressure filters have been specifically developed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons and other vapours from compressed air⁽¹⁾ systems. To meet the required compressed air quality appropriate filter element (FG25, FG5, FGI, FGA, FGAA, FGAC) must be installed into filter housing. MSS / 100 / 250 / 400 stainless steel high pressure filters have been specially designed to operate at high pressure systems.

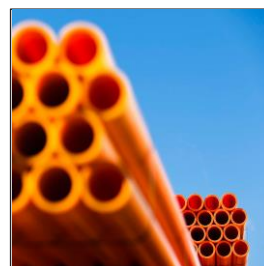
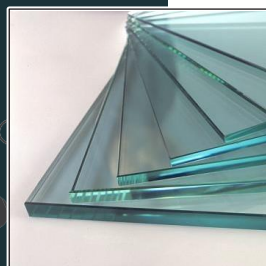


APPLICATIONS⁽²⁾

- Automotive Industry
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial application

⁽¹⁾ For any other technical gas please contact us.

⁽²⁾ MSS filter housing can be used in variety of applications. For applications not listed please contact us.



FILTER HOUSING RATING ACCORDING TO ISO8573-1

| Solid particles | Water | Oil |
|-----------------|-------|-----|
| - | - | - |

TECHNICAL SPECIFICATION

| | | |
|-----------------------|--------------------------|--------------------------|
| Operating temperature | 1.5 – 65 °C | 35 – 149 °F |
| Operating pressure | 0 – 100, 250, 400 bar(a) | 0 – 1450, 3625, 5800 psi |

MATERIALS

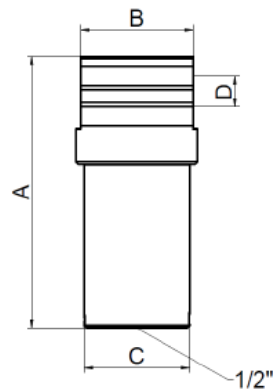
| | |
|------------------|----------------------------|
| Housing material | Stainless Steel 1.4301 |
| Sealing | Viton |
| Lubricant | Shell cassida grease RLS 2 |

SIZES

| Filter Housing | Conn. Size inch | Filter Element | Flow Capacity Nm ³ /h | Dimensions (mm) | | | Volume l | Weight Kg |
|----------------|--------------------|----------------|-------------------------------------|-----------------|------|-----|-------------|--------------|
| | | | | A | B | C | | |
| MSS7 /* | 1/4" | EMSS7 /* | 42 | 165 | 83.5 | 70 | 0.26 | 4.85 |
| MSS10 /* | 3/8" | EMSS10 /* | 75 | 165 | 83.5 | 70 | 0.26 | 4.85 |
| MSS15 /* | 1/2" | EMSS15 /* | 135 | 210 | 105 | 85 | 0.5 | 9.2 |
| MSS20 /* | 3/4" | EMSS20 /* | 205 | 210 | 105 | 85 | 0.5 | 9.85 |
| MSS25 /* | 1 | EMSS25 /* | 290 | 253 | 119 | 100 | 0.83 | 15.5 |
| MSS30 /* | 1 1/4" | EMSS30 /* | 400 | 303 | 119 | 100 | 1 | 16.5 |
| MSS40 /* | 1 1/2" | EMSS40 /* | 520 | 329 | 146 | 130 | 2 | 27.6 |
| MSS50 /* | 2 | EMSS50 /* | 745 | 415 | 182 | 150 | 3.3 | 51.1 |

Flow capacity at 7 bar(g), 20°C

/*= 100, 250 or 400



PRESSURE EQUIPMENT DIRECTIVE PED 97/23/CE (Fluid group 2)

| | |
|--------------------|----------------------|
| MSS7 /* – MSS30 /* | Category 1, Module A |
| MSS40 /* | Category 2, Module H |
| MSS50 /* | Category 3, Module H |

CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal capacity by the appropriate correction factor(s)

$$\text{CORRECTED CAPACITY} = \text{NOMINAL FLOW CAPACITY} \times C_{OP}$$


OPERATING PRESSURE

| | | | | | | | |
|-----------------|-----|-----|-----|-----|------|------|------|
| Bar | 7 | 25 | 40 | 64 | 100 | 250 | 400 |
| Psi | 100 | 362 | 580 | 928 | 1450 | 3625 | 5800 |
| C _{op} | 1 | 3 | 5 | 8 | 12 | 12 | 12 |

MAINTENANCE

Replace filter element at least every 12 months or follow the instructions for specific filter element. Change the sealing when you disassemble filter housing. Once per year make a visual check of filter housing and make sure there is no visual damage.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

| | | |
|---|--|--|
|  | <p>Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008</p> | |
|---|--|--|