



50 bar
operating pressure

150 to 2400 Nm³/h
volume flow rate

1/2" to 3"
connections

1,5 to 150 °C
operating temperature range

stainless steel **1.4404**-standard
stainless steel **1.4301**-option
material

DESCRIPTION

WHFIT welded stainless steel filter housings with threaded connections have been developed for filtration of compressed air as well as many other gasses where the risk for corrosion is very high or where stainless steel housing is required. To meet the required gas quality appropriate filter element must be installed into filter housing.

For any other technical gas please contact us or your local dealer.

WHFIT process filter housing can be used in variety of applications. For applications not listed please contact us or your local dealer.

For oil removal, coalescing filter element must be installed and flow direction inside-out must be provided. General arrangement is filter head on top and filter bowl on bottom.

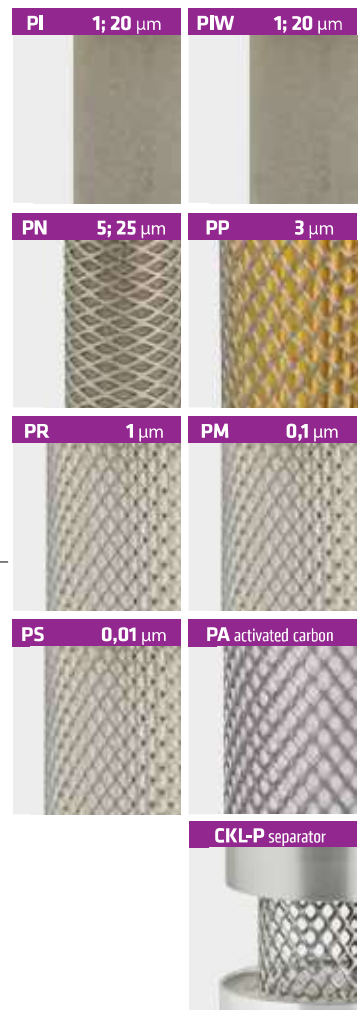
Fluid group 1 on request.

APPLICATIONS

- General industrial applications
- Packing industry
- Biotechnology
- Breweries
- Chemical industry
- Dairies
- Fermentation processes
- Food and beverage industry
- Pharmaceutical industry
- Hospitals

WHFIT SERIES

HIGH PRESSURE STAINLESS STEEL COMPRESSED AIR FILTERS





| TECHNICAL DATA | | | | | | | | | FILTER ELEMENTS | | | | | | | | | |
|--------------------------------------|--------------------------------------------|----------------------|------------------------------|-----------------------------|---------------------------|---------------------------|------------------------------------------|----------|-----------------------|------------------------|-----------------------|-------------------|-------------------|-----------------------|------------------------|---------------------|------------|---------|
| Filter housing size | Pipe size D | Oper. press. | Flow rate at 7 bar(g), 20 °C | | Dimensions [mm] | | | Mass kg | PI prefilter 1; 20 µm | PIW prefilter 1; 20 µm | PN prefilter 5; 25 µm | PP prefilter 3 µm | PR prefilter 1 µm | PM microfilter 0,1 µm | PS microfilter 0,01 µm | PA activated carbon | CKL-P | |
| | inch | | bar/psi | Nm³/h | scfm | A | B | | C | 0420 PI | 0420 PIW | 0420 PN | 0420 PP | 0420 PR | 0420 PM | 0420 PS | | 0420 PA |
| WHFIT 010 | 1/2" | 50/725 | 150 | 88 | 244 | 121 | 76,1 | 2,6 | 0420 PI | 0420 PIW | 0420 PN | 0420 PP | 0420 PR | 0420 PM | 0420 PS | 0420 PA | 0420 CKL-P | |
| WHFIT 018 | 3/4" | 50/725 | 225 | 132 | 268 | 121 | 76,1 | 2,8 | 0520 PI | 0520 PIW | 0520 PN | 0520 PP | 0520 PR | 0520 PM | 0520 PS | 0520 PA | 0520 CKL-P | |
| WHFIT 030 | 1" | 50/725 | 315 | 185 | 302 | 143 | 88,9 | 3,4 | 0525 PI | 0525 PIW | 0525 PN | 0525 PP | 0525 PR | 0525 PM | 0525 PS | 0525 PA | 0525 CKL-P | |
| WHFIT 047 | 1 1/4" | 50/725 | 420 | 247 | 335 | 160 | 88,9 | 3,9 | 0725 PI | 0725 PIW | 0725 PN | 0725 PP | 0725 PR | 0725 PM | 0725 PS | 0725 PA | 0725 CKL-P | |
| WHFIT 070 | 1 1/2" | 50/725 | 600 | 353 | 402 | 182 | 114,3 | 5,6 | 0730 PI | 0730 PIW | 0730 PN | 0730 PP | 0730 PR | 0730 PM | 0730 PS | 0730 PA | 0730 CKL-P | |
| WHFIT 094 | 2" | 50/725 | 900 | 530 | 469 | 180 | 114,3 | 6,2 | 1030 PI | 1030 PIW | 1030 PN | 1030 PP | 1030 PR | 1030 PM | 1030 PS | 1030 PA | 1030 CKL-P | |
| WHFIT 150 | 2" | 50/725 | 1260 | 742 | 606 | 180 | 114,3 | 6,9 | 1530 PI | 1530 PIW | 1530 PN | 1530 PP | 1530 PR | 1530 PM | 1530 PS | 1530 PA | 1530 CKL-P | |
| WHFIT 200 | 3" | 50/725 | 2400 | 1413 | 1028 | 228 | 139,7 | 11,5 | 3030 PI | 3030 PIW | 3030 PN | 3030 PP | 3030 PR | 3030 PM | 3030 PS | 3030 PA | 3030 CKL-P | |
| | quality class - solids (ISO 8573-1) | - | - | - | 6 | 3 | 2 | 1 | 1 ¹⁾ | - | | | | | | | | |
| | quality class - oils (ISO 8573-1) | - | - | - | - | - | 2 | 1 | 1 | - | | | | | | | | |
| | pressure drop - new elem.-dry [mbar / psi] | ≤2600; ≤60 | ≤2600; ≤60 | 10 | 10 | 20 | 50 | 80 | 60 | - | | | | | | | | |
| | filter media | sintered INOX 1,4404 | sintered INOX 1,4404 | stainless steel mesh 1,4301 | acrylic fibres, cellulose | borosilicate micro fibres | borosilicate micro fibres, activ. carbon | - | | | | | | | | | | |
| | pleated version | - | - | - | ✓ | ✓ | ✓ | ✓ | - | - | | | | | | | | |
| | wrapped version | - | - | ✓ | - | - | - | ✓ | - | - | | | | | | | | |
| | sintered version | ✓ | ✓ | - | - | - | - | - | - | - | | | | | | | | |
| | min. operating temperature (°C / °F) | 1,5 / 35 | 1,5 / 35 | 1,5 / 35 | 1,5 / 35 | 1,5 / 35 | 1,5 / 35 | 1,5 / 35 | 1,5 / 35 | 1,5 / 35 | | | | | | | | |
| max. operating temperature (°C / °F) | 150 / 302 | 150 / 302 | 150 / 302 | 65 / 149 | 120 / 248 | 120 / 248 | 120 / 248 | 45 / 113 | 120 / 248 | | | | | | | | | |

| CORRECTION FACTORS | | | | | | | | | | |
|--------------------------|------|------|-----|------|------|------|------|------|------|------|
| Operating pressure [bar] | 3 | 5 | 7 | 10 | 13 | 16 | 20 | 30 | 40 | 50 |
| Operating pressure [psi] | 44 | 72 | 100 | 145 | 189 | 232 | 290 | 435 | 580 | 725 |
| Correction factor | 0,50 | 0,75 | 1 | 1,38 | 1,75 | 2,13 | 2,63 | 3,88 | 5,13 | 6,38 |

¹⁾ Valid if "S" filter cartridge is installed upstream.