

FILTER(STRAIGHT,ANGLE,Y TYPE)

Application

Filters are widely used in the auxiliary service for food processing, cosmetic, chemicals and pharmacy industries. Due to its hygienic design, it mainly used to filter the particulates that destroy pumps and some other equipment.

Operating principles

The filter consists of inlet and outlet housing, inner screen mesh to filter the particulates and impurities which can't pass the mesh.

Materials

Housing: AISI316L/AISI304
Gasket: EPDM according to
FDA 177.2600
Inner polish: $R_a < 0.8 \mu\text{m}$
Outside polish: mirror polish

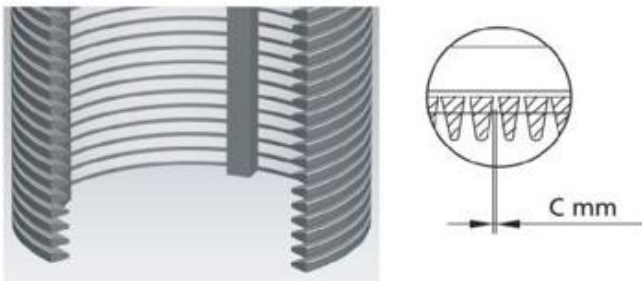


Angle type filter



Straight type filter





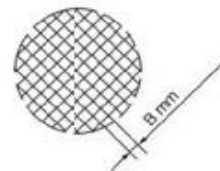
Wedge screen

!EQ,MESH	C(en mm)	Usefull Surface
40	0.40	28%
60	0.30	23%
80	0.20	17%
165	0.10	10%
325	0.05	5%



Filter Element

Metal mesh



Perforated plate



Options

Gaskets:silicon MVQ FPM
 Connections:clamp,Thread,weld
 Standard:DIN,SMS,RJT,IDF,3A
 Mesh Size:0.5mm to 2.0mm
 Screen:30mesh to 300mesh

Disassembly

Note: For security,Pls make sure there is no media in pipeline
 Screw the nut by wrench or jaw,and then take off the clamp,and
 with draw the handle together with the filter element.Finally,you
 can do the cleaning and replacment safely.

Technical Specifications

Sizes: DN25–DN150 1"–6"
 Working temperature:–10°C to+120°C(EPDM) 14°F to 248°F
 +140°C (SIP,max.30min) 284°F
 Max.working pressure:10bar 145PSI

Metal Mesh

Mesh	B (mm)	Usefull Surface(%)
30	0.55	48
40	0.40	46
60	0.30	52.6
80	0.20	42
100	0.15	36.2
165	0.10	45.4

Perforated Plate

A (mm)	Usefull Surface(%)
0.5	15
1	28
1.5	33
2	30
3	33
5	46

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Summarize

Filter is used to eliminate the small particulates from compressors, pumps, meters and some other equipment. When liquids flow through the screen, impurity can be held up. And then pure liquids come out through the outlet. When cleaning is needed, you just draw out the cartridge. And put it back after cleaning, it is a very convenient process. Such series filters are compact designs. Strong filter power. Small damage. Favorable price, they are mainly used in food, beverage, dairy and pharmacy industries.



Y type filter



Angle type filter: No need to disassemble pipeline, just loose the nut or clamp, then the mesh can be took off easily as shown on right figure.

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