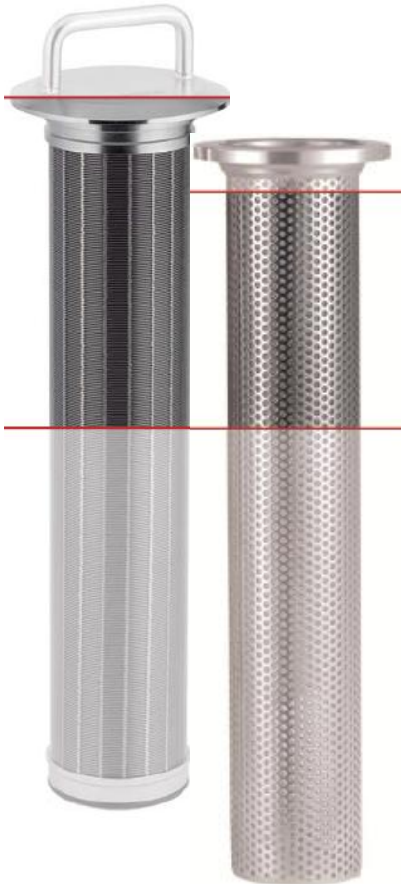




ASTRA FILTERS



Application

Suitable for angular filter, straight filter and have a wide range of applications in the food-processing, cosmetics, chemical industries and pharmaceutical industry. It has a hygienic design and is used to filter particles capable of damaging pumps, prefiltration of liquids with solids with the size even smaller than the sizes of the perforated sheet and other equipment.

Operating principle

Perforated filter: basically consists of a filter body with an inlet and an outlet for the product. The screen is fixed inside the body. The screen retains all particles that are equal or larger than the size of the screen openings.

Wedge wire filter: It consists of v-shaped profiles welded accurately on cross support bars that allow to control the distance between the v-shaped profiles. This distance is the slot opening.

Design and features

Wedge wire filter	Perforated filter
Great mechanical strength	Great mechanical strength
Highly resistant to abrasion and vibration.	Low pressure drops
It can hold more pressure and temperature compared to the perforated sheet screen.	Screen with circular or longitudinal openings
Longer screen life.	Longer screen life.
It is possible to clean the wedge wire screen with a reversed flow (back flushing)	Cleaning of the screen without disassembling the filter.
Available sizes: from 25MM- 101MM	Available sizes: from 25MM- 101MM

Materials

Filter body AISI316L ; Gaskets EPDM ; Internal surface finish Ra < 0,8µm; External surface finish ;mirror polish/ electro polish

Options

Gaskets in FMP.
Connections: Clamp, SMS.
Wedge wire screen cylinder.
Heating jacket.
Option of filtering from outside to inside of the screen.
Double filter

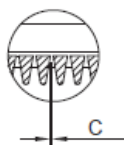
Technical specifications

Working temperature -10°C to +120°C (EPDM) 14°F to 248°F
+140°C (SIP, max. 30 min) 284°F
Max. working pressure 10 bar 145 PSI



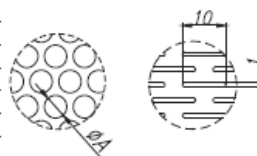
SCREEN: WEDGE WIRE

Mesh equiv.	C (mm)	Useful surface (%)
40	0,40	28
60	0,30	23
80	0,20	17
165	0,10	10
325	0,05	5

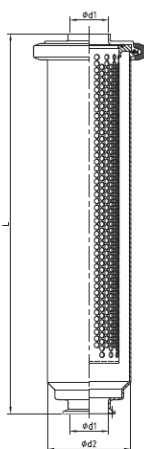


SCREEN: PERFORATED PLATE

A (mm)	Useful surface (%)
0,5	15
1	28
2	30
5	46
10x1	20



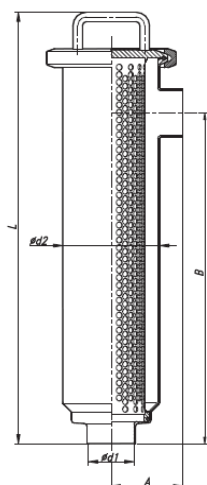
Dimensions



Straight Filter

WELD / CLAMP OD			
DN	d1	d2	L
1"	22,1	76,2	377
1½"	34,8	101,6	462
2"	47,5		
2½"	60,2	114,3	637
3"	72,9		
4"	97,4	154	784
5"	123	219,1	1004
6"	146,8		

Angular Filter



WELD / WELD OD					
DN	d1	d2	A	B	L
1"	22,1	76,2	76	300	399
1½"	34,8	101,6	95	370	486
2"	47,5		121		
2½"	60,2	114,3	140	525	663
3"	72,9		159		
4"	97,4	154	203	676	823
6"	146,8	219,1	220	920	1097

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