

Wedge Wire Screen Cylinders



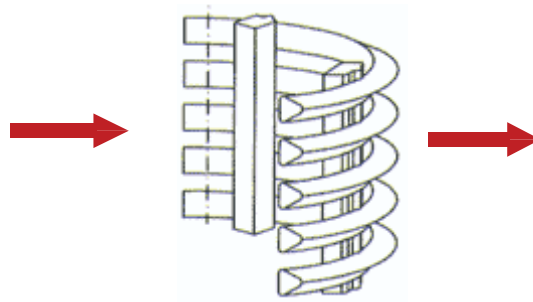
I Application

Suitable for angular filter, straight filter and Y filter in the food-processing, cosmetics, pharmaceutical and some chemical industries.

It is widely used for prefiltration of liquids with solids with the size even smaller than the sizes of the perforated sheet.

I Operating principle

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



I Design and features

Standard version in radial slot execution for filtration from inside to outside.

The features of the wedge wire screen:

- Great mechanical strength
- Highly resistant to abrasivity and vibration.
- It can hold more pressure and temperature compared to the perforated sheet screen.
- Longer screen life.
- Larger useful area than that of the standard perforated sheet screen.

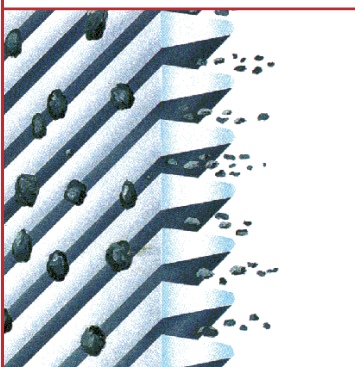
The wedge wire screen can be used in any of INOXPA filters.

The wedge wire screen is assembled to the filter body by clamp, this allows an easy and quick disassembling for cleaning.

It is possible to clean the wedge wire screen with a reversed flow (back flushing).

Standard slot openings: 0,05 / 0,1 / 0,2 / 0,3 and 0,4 mm.

Available sizes: from DN 25 / DN 1" to DN 100 / DN 4".



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I Materials

Screen	AISI 316L
Gaskets	EPDM according to FDA 177.2600
Surface finish	Electropolish

I Options

Gaskets in NBR, FPM (according to FDA 177.2600 on request).
Sizes for solids larger than 0,4 mm on request.
Filtration in radial slots execution from outside to inside on request.

I Technical specifications

Max. pressure	10 bar
Working temperature	-10 °C to +120 °C (EPDM)

Equivalence table

Diameter for solid particles [mm]	Microns [µm]	Eq. mesh (approx.)	Standard for
3	3000	7	Perforated sheet
2	2000	10	Perforated sheet
1,5	1500	12	Perforated sheet
1	1000	20	Perforated sheet
0,5	500	30	Perforated sheet
0,4	400	40	Wedge wire screen
0,3	300	60	Wedge wire screen
0,2	200	80	Wedge wire screen
0,1	100	165	Wedge wire screen
0,05	50	325	Wedge wire screen

