FILTER HOUSINGS

Prolite Filter Housing

Budget-friendly filter housing with an AISI 304 stainless steel body and a clamp lid, made in single-bag and 4-cartridge models. It works with standard bag and cartridge filters and is used on food, paint, cosmetics and water lines where operating pressure does not exceed 8 bar.



BODY	OPERATING PRESSURE	MODELS	CONNECTION
AISI 304	**Max. 8 bar**	**2 models**	**DN25–DN100**
Stainless steel	Both models	Single bag · 4 cartridges	Muff · Nipple · Flange · Union

Technical specifications

Models	Single bag filter housing · 4-cartridge filter housing
Body material	AISI 304 stainless steel (all models)
Bag length	230 · 380 · 430 · 810 mm · other compatible bag filters
Bag diameter	180 mm
Bag collar	Polypropylene · Stainless steel · Galvanised steel
Cartridge length	20″ · 30″ · 40″ (4 cartridges in the body)
Cartridge type / diameter	All cartridge filters · diameter varies
Filtration precision	According to the micron rating of the bag or cartridge fitted
Flow arrangement	Upper-side inlet · lower opposite-side outlet
Inlet / outlet diameter	DN25 (1″) · DN40 (1½″) · DN50 (2″) · DN65 (2½″) · DN80 (3″) · DN100 (4″)
Connection type	Muff · Nipple · Flange · Union
Lid type	Clamp lid
Gasket material	Silicone
Pressure gauge	Standard
Compression system	Special design to prevent filter bypass and leakage
Operating pressure	Max. 8 bar

Model and filter length

MODEL	FILTER	LENGTH
Single bag	1 bag · Ø180 mm	230 mm
Single bag	1 bag · Ø180 mm	380 mm
Single bag	1 bag · Ø180 mm	430 mm
Single bag	1 bag · Ø180 mm	810 mm
4-cartridge	4 cartridges	20″
4-cartridge	4 cartridges	30″
4-cartridge	4 cartridges	40″

Filter length and diameter compatibility must be confirmed before ordering.

Inlet / outlet diameters

DN	INCH
DN25	1″
DN40	1½″
DN50	2″
DN65	2½″
DN80	3″
DN100	4″

Muff, nipple, flange or union connection in all diameters.

Connection, lid and sealing

Muff · Nipple
Threaded inlet and outlet; DN25–DN100.

Flange · Union
Removable line connection; DN25–DN100.

Flow arrangement
Upper-side inlet, lower opposite-side outlet.

Clamp lid
Opens and closes without tools; quick filter change.

Silicone gasket
Lid sealing; checked at every filter change.

Compression system
Prevents bypass and leakage with a fully seated bag or cartridge.

Use and maintenance

- Make sure line pressure does not exceed 8 bar and the fluid is compatible with AISI 304.
- Seat the bags or cartridges fully in the compression system.
- Monitor the pressure gauge regularly; determine filter change time from the pressure change.
- Release the line pressure before opening the clamp lid; when closing, tighten the clamp fully and evenly.
- Check the silicone gasket at every filter change and replace it if damaged.

Values in this data sheet are typical and for information only. Product selection should be made with our engineers based on process fluid, temperature, pressure and flow conditions. Proses T.İ.M. reserves the right to change product specifications without prior notice.

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