

Polypropylene-Filter Housing Type Causa PPD-Natural

The filter housings of type PPD-Natural are high-quality, two-part all-plastic filter housings. Filter head and filter sump are made of pure polypropylene with a very smooth surface. The VITON® sealing O-ring in the filter sump always ensures a secure seal and a broad chemical resistance.

There are two sizes to choose from, each with three different connection sizes.

These filter housings are suitable for both industrial and food and beverage applications where high standards of quality and performance have to be met. A large number of different, standardized filter cartridges are available for these filter housings.

Applications

- Purification of tap, demineralized water
- Amines
- Alcohols
- Acids
- Alkalis
- Oils

Features & Benefits

- Solid plastic filter housing
- Made of pure polypropylene (PP)
- Standard connections BSP 1/2", 3/4", and 1"
- P max 6bar; T max 40°C
- Standardized filter inserts
- Broad chemical compatibility

Technical Data PPD-Natural

Max. pressure	6bar
Max. temperature	40°C @ 6bar
Material head	Virg. Polypropylene (PP)
Material bowl	Virg. Polypropylene (PP)
Gasket	FKM (Standard)



PPD-10-GFX

Suitable for many filter cartridges

Description	Type	Filter grade	Composition
Winding filter cartridges	Causawind	1 - 100µm	Thread winding (PP, cotton) on support body (PP, SS 316)
Melt-blown filter cartridges	Causafine,	1 - 50µm	Structurally different polypropylene melt blown filter cartridges. Depending on the type, one or more layers.
	Causapure,	0.5 - 100µm	
	Causagard	1 - 100µm (abs.)	
Micro fiber filter cartridges	Causa-Polyglas-R	0.3 - 5µm	Depth filter candle with very high dirt holding capacity and high selectivity. Safe thanks to integrated PE post-filter.
Micro fiber filter cartridge	Causafil	0.2 - 20µm (99.9%)	Pleated surface filter with large surface and dirt absorption. Causa-PES is a membrane filter cartridge with absolute degrees of separation and can be checked for integrity.
	Causasave	0.2 - 40µm (99.99%)	
	Causa-PES	0.04 - 1.2µm (absolute)	
Stainless steel mesh	Causamesh	ca. 15 - 250µm	Cylindrical as well as pleated stainless steel mesh filter

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Code	Position	Color	General information on the materials used
PP	Filter Head	white	Polypropylene (PP); Temp. resistance: -15 to +120 (140) ° C (depressurized). High chemical resistance to organic solvents, as well as acids and bases; Hot water resistant; biologically inert. Not suitable for ketones, toluene, DMF, gasoline, chloroform, fluorine.
Viton®	O-Ring	black	Perfluoro rubber (FKM); Temp. resistance: -15 to +180 ° C. Good chemical resistance to organic solvents, as well as acids and alkalis.

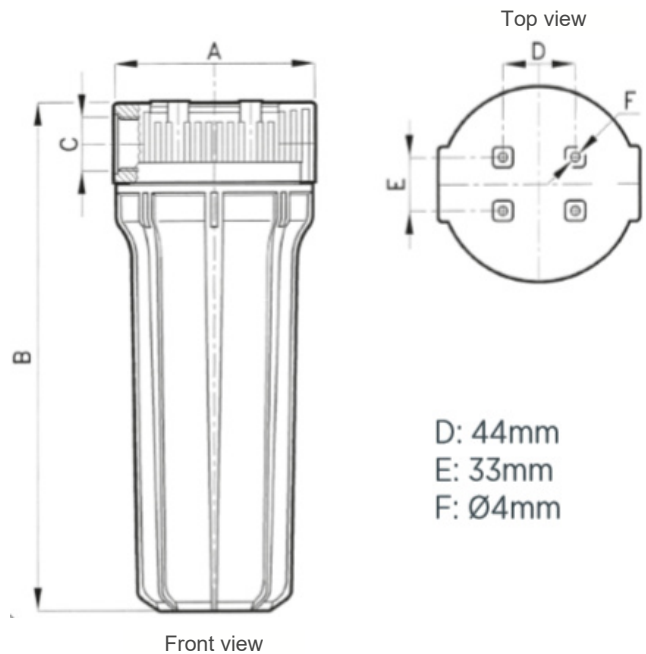
Installation instructions

The all-plastic filters are designed as T-filters for vertical installation. The filters are attached using the mounting bracket to be screwed onto the filter head (see accessories) or via the pipeline.

The flow through the filters is always according to the label (input: IN, output: OUT).

These filter housings may only be installed with the sump down.

Attention: All plastic filter housings must be protected against frost. Frost breaks lead to the housing bursting. The filter housing should be installed protected from direct sunlight!



Accessories, spare parts

Art.-No.	Description	10 and 20"
310226	Mounting bracket with screws	PPD/NNE
901660	FKM O-Ring	PPD/NNE
310258	Opening key	PPD/NNE



310258



310226



901660

Ordering information for filter housing "Causa type PPD-Natural

Example: PPD10-GFX = Causa type PPDNatural, filter length 9 3/4", for filter type double open end on both sides, connections G 3/4" thread

Ident code	Filter length [inch]	End cap configuration	Port (C) BSP (G)	Venting	Recom- mended max. flow [L]	Dimensions				Weight [kg]
						A [mm]	B [mm]	D [mm]	E [mm]	
PPD-10-GEX	9 3/4"	DOE	G 1/2"	none	4 - 28	122	310	44	33	1.1
PPD-10-GFX	9 3/4"	DOE	G 3/4"	none	4 - 28	122	317	44	33	1.1
PPD-10-GGX	9 3/4"	DOE	G 1"	none	4 - 38	122	325	44	33	1.1
PPD-20-GEX	20"	DOE	G 1/2"	none	4 - 60	122	570	44	33	1.7
PPD-20-GFX	20"	DOE	G 3/4"	none	4 - 60	122	577	44	33	1.7
PPD-20-GGX	20"	DOE	G 1"	none	4 - 60	122	585	44	33	1.7