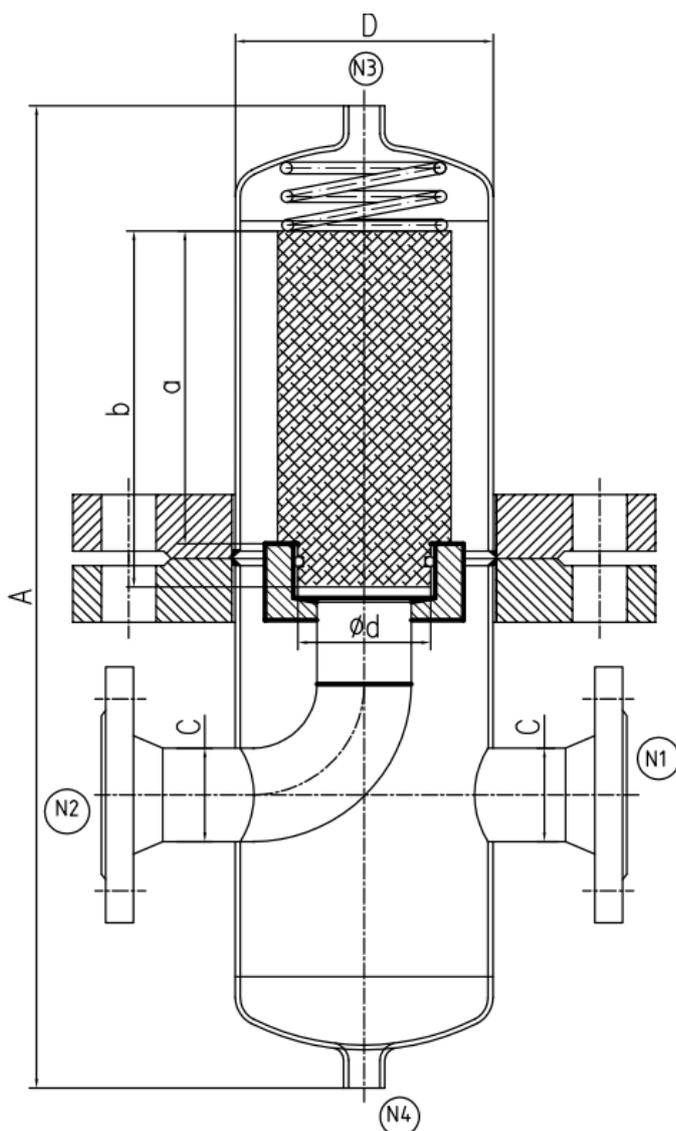
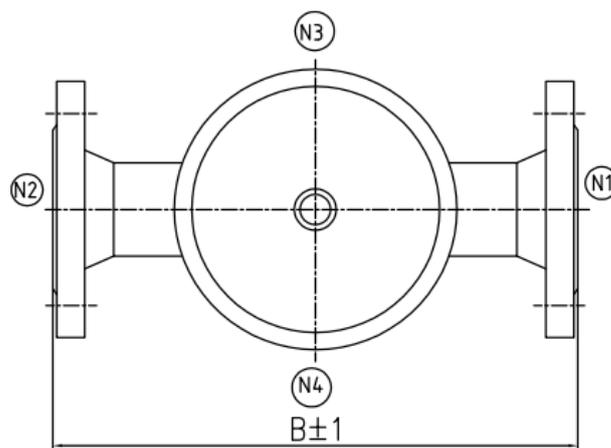


P-ED filter housings are widely used in steam filtration applications and other high-pressure field applications. Equipped with a variety of connections, P-ED housings are designed to middle or High-pressure constructions

- Constructed of 304 SS (316L SS available).
- Mirror polished outer surface finish on models 0027 through 1152.
- Designed to accept the UF push-in filter element with double o-ring seal.
- Optional inlet/outlet connection styles available.



Name	Inner surface
Designed pressure (MPa)	0-25
Operating Tem °C	-25-200
Pressure tolerance on weld	0.85
Corrosion by acid (mm)	0



1. Clean the filter housing surface before the application.
2. Remove the housing bowl and install the UF plug filter element, put the spring at the top of the filter cartridge.
3. Cover the housing bowl and fixing the bowl with the gasket by the bolts one by one and tightening, ensure a complete seal.

4. Connect the N1 inlet to the pipe's raw gas pipe inlet valve; Connect the N2 outlet to the clean pipe outlet valve.
5. Install the N3 venting valve and tighten it; install N4's drain port with plug or drain valve accordingly and close off N3 and N4.
6. Open the steam filter inlet valve, observe whether the steam filter leaks, if there is no leakage, it can be used normally.
7. After the steam filter is used for some time, if the flow rate is significantly decreased or the pressure is significantly increased, it indicates that the steam filter element needs to be cleaned, and the steam filter flow will be restored after the filter element is cleaned.

Cleaning or replace the filter cartridge.

Regeneration guidelines for steam filters:

Filter elements can be regenerated using a number of different techniques. In general, the more frequently an element is cleaned, the better the regeneration. The following is some general background in methods of filter regeneration.

Counter-Flow

The filter media can be washed with either clean liquid or clean gas in a reverse, or counter-flow, cycle. Pulsing the flow to loosen attached particles can enhance cleaning. This method is excellent where retained particles are on the surface of the media as opposed to having penetrated deeper into the media pores. Use of a wire or nylon brush can also enhance this method of cleaning.

Solvent Cleaning

In some cases, oil and other contaminants in the steam cause particles to be retained on or within the filter media. Detergents and/or solvents might be required in these instances, not only to remove the oil or oil-like contaminants, but to allow particles to be released as well. After cleaning with solvents, rinse the element thoroughly and let all liquid evaporate.

Ultrasonic Cleaning

The most thorough regeneration can be achieved using ultrasonic cleaning. In this method, filter elements are immersed in a solvent (non-flammable!) or water bath in which ultrasonic waves lead to a loosening and removal of particles embedded in the media. Regeneration is nearly total, leaving elements close to their original state.

PS:

1. Take care of the filter housing's installation direction from the inlet to outlet
2. When cleaning or replacing the filter cartridge, you need to close off the inlet valve and venting, then the operator can open the bowl.