

TL Filter Cartridge Housing Instruction Manual



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Notice

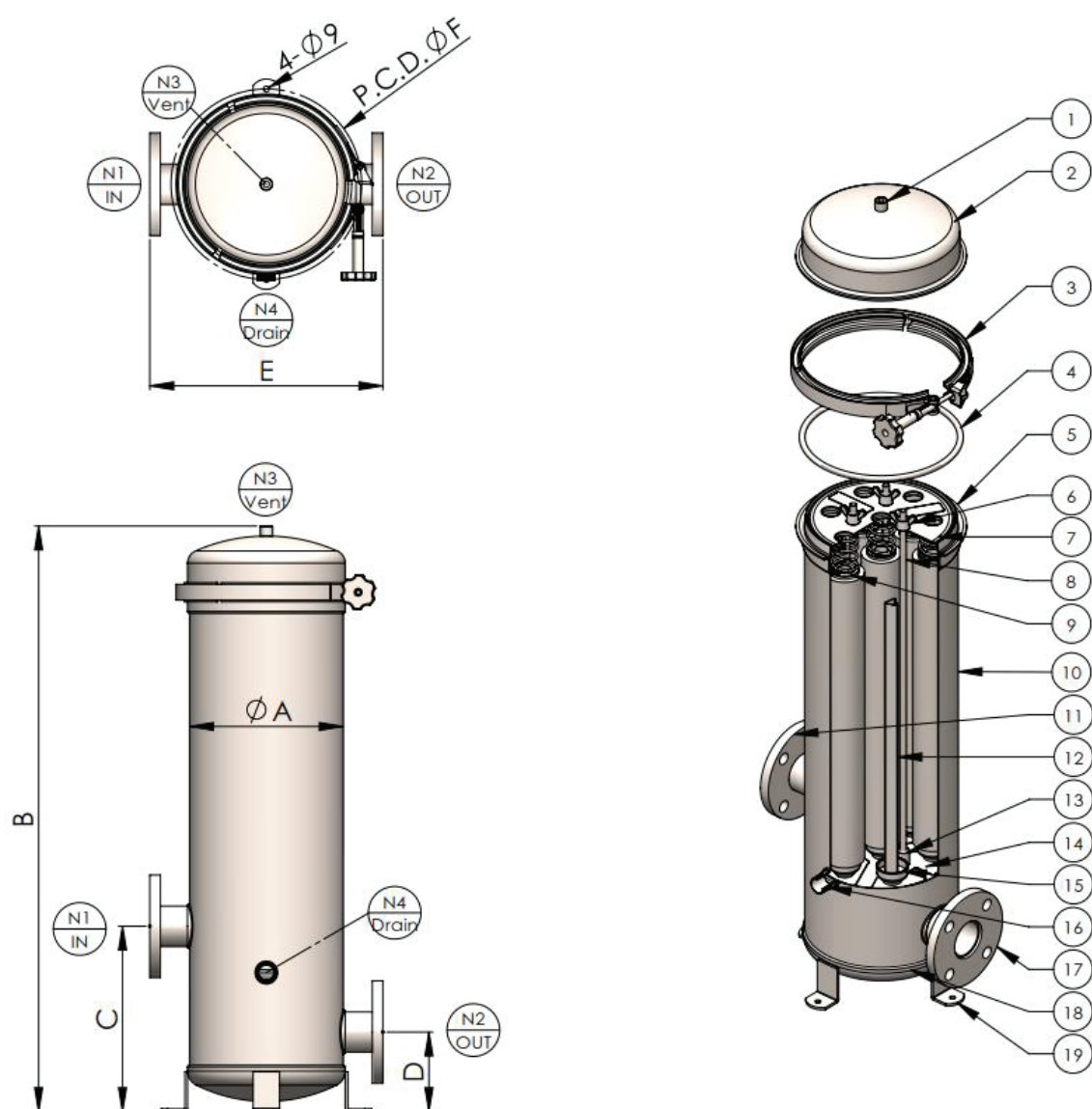
1. Please install and test the housing according to the product instruction manual.
2. This product is designed for filter equipment used for water filtration only; please don't use it on other purpose to avoid danger.
3. This product is categorized as pressure vessel, only professional or well-trained person who can install and operate it.
4. Please read through the instruction manual before moving, installing and using of this product.
5. Please check the product and make sure that there is no any damage or components lost before installing it. If the product was damaged, deformed or leaking, please stop using the housing
6. Please make sure that if the fluid is suitable for the filter before using.
7. Please use the product according to the instruction manual and make sure that the design pressure and the operating pressure are in the required range.
8. The filter housing must be installed and fixed on the level ground. Please do not fix it on the uneven ground.
9. Please do not open the top cover randomly before piping.
10. Installing the pressure control valve is suggested to keep the water pressure in case the suddenly increased/decreased water pressure happens.

11. Please avoid rapid switching of ball valve and continuous countercurrent which may cause damage to filter and housing while using the product.
12. Be sure to relieve the pressure inside the filter housing completely before replacing filter cartridges.

Please be cautious with the possibility of fluid ejection when it is at a high temperature
13. Please use the suitable O-ring and check it regularly then replace it if necessary. Deterioration or damage of the O-ring may cause fluid leakage.
14. The internal plastics components will deteriorate by long-term use. Please check it regularly and replace it if deterioration or damage is found.

Know Your Product

No.	Description	No.	Description	No.	Description
1	Vent	2	Top Cover	3	Clamp
4	O-ring	5	Shell Flange	6	Nut
7	Pressure Plate	8	Threaded Rod	9	Springs
10	Shell	11	Port inlet	12	Cartridge post
13	Nut	14	Cartridge support plate	15	Pedestal
16	Drain	17	Port outlet	18	Bottom cover
19	Support leg				



Instruction Manual

1. Fix the filter housing :

- a. Adjust ⑪Support leg and put the filter housing into the proper position, then fix it on the ground or board.

2. Pipe :

- a. Connect ⑪Inlet and ⑰Outlet to the main pipe.
- b. Install the exhaust valve and pressure gauge at ①Vent

3. Open the filter housing and install the internal parts :

- a. Loosen the ③Clamp and take off ②Top cover.
- b. Unfasten the ⑥Nut, then take out ⑦Pressure plate , ⑨Springs
- c. Align the center of the filter cartridge with the ⑫Cartridge post and insert it. ⑨Springs aim to the center of cartridge hole and place on the top of the cartridge (Spring cover downward)
- d. The holes of ⑦Pressure plate aim to the ⑧Threaded rods and put it down in parallel. Please check if ⑨Springs aimed to the leading hole.
- e. Fasten the ⑥Nut in clockwise and the installation of the internal cartridge is done.
- f. Make sure ⑥O-ring is in the groove and put the ②Top cover down on the top of 4 O-ring.
- g. Align the ③Clamp with ⑤Shell flange and the ②Top cover.

- h. Clamp ⑤Shell flange and the ②Top cover together and fasten screw rod tightly in clockwise direction.

4. Testing :

- a. Close ⑩Drain and open ①Vent.
- b. Pour in water until water comes from ①Vent, and then close the vent valve.
- c. Keep the above step for 30 minutes and checks whether there is leaking.

5. Stop leakage :

- a. If the leakage was found, please close ⑪Inlet and unfasten ①Vent to relieve the pressure in the ⑩Shell.
- b. Clamp ⑤Shell flange and ②Top cover together tightly again.
- c. Open ⑪Inlet and increase pressure slowly and check if there is any leakage.
- d. If not, please open ⑪Inlet and ⑱Outlet to start working.

6. Stop running :

- a. Please close ⑪Inlet and ⑱Outlet first.
- b. Stop running water and open ①Vent.
- c. Make sure inner pressure is relieved completely before opening.