



TH Filter Cartridge Housing Instruction Manual



Contents

Notice	2 - 3
Know Your Product	4
Instruction Manual	5 - 6

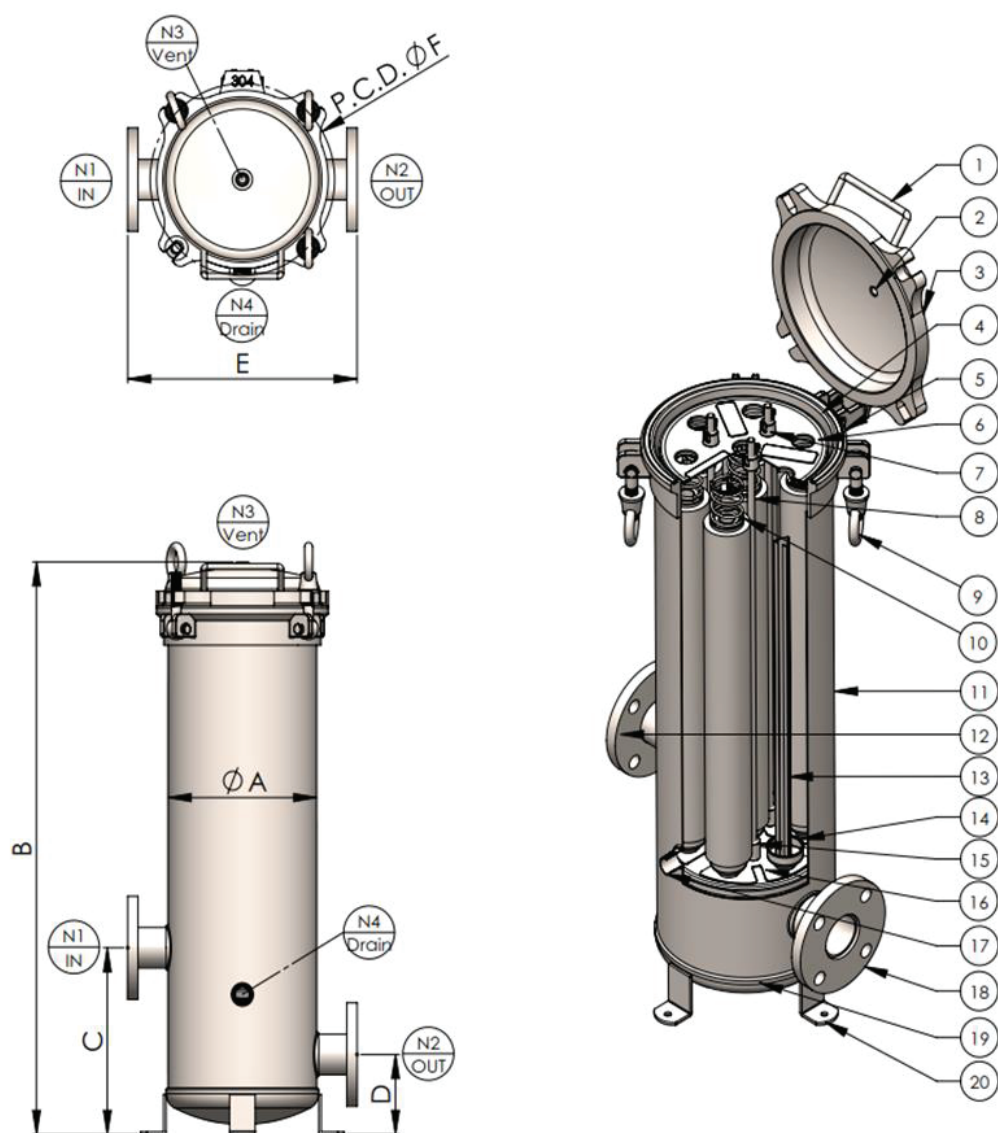
Notice

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 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 from the suddenly increased/decreased water pressure happens.

11. Please avoid rapid switching of the 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	Handle	2	Vent	3	Top Cover
4	Shell Flange	5	O-ring	6	Pressure Plate
7	Nut	8	Threaded Rod	9	Eye nut
10	Springs	11	Shell	12	Inlet
13	Cartridge Post	14	Pedestal	15	Nut
16	Cartridge Support Plate	17	Drain	18	Outlet
19	Bottom Cover	20	Support Leg		



Instruction Manual

1. Fix the filter housing :

- a. Adjust 20 Support leg and put the filter housing into the proper position, then fix it on the ground or board.

2. Pipe :

- a. Connect 12 Inlet and 18 Outlet to the main pipe.
- b. Install the exhaust valve and pressure gauge at 2 Vent.

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

- a. Unfasten the 9 Eye bolt. Hold the ①Handle, pull up the 3 Top cover and fix it.
- b. Unfasten the ⑦Nut, and then take out 6 Pressure plate, ⑩Springs.
- c. Align the center of the filter cartridge with the 13 Cartridge post and insert it. ⑩Springs aim to the center of cartridge hole and place on the top of the cartridge (Spring cover downward)
- d. The holes of 6 Pressure plate aim to the threaded rod and put it down in parallel. Please also check if ⑩Springs aimed to the leading hole.
- e. Fasten ⑦Nut in clockwise direction and the installation of the internal cartridge is done.
- f. Please make sure ④O-ring is in the groove.
- g. Hold the ①Handle and put the ②Top cover down on the top of ④O-ring.
- h. Align the center of the U-shape with ⑤Eye bolt socket and fasten ⑥Eye nut tightly.

4. **Testing :**

- a. Close N4 Drain, open N3 Vent.
- b. Pour in water until water comes out from N3 Vent, 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 12 Inlet and unfasten N3 Vent to relieve the inner pressure.

Then fasten 9 Eye bolt tightly.
- b. Open 12 Inlet and increase pressure slowly and check if there is any leakage.
- c. If not, please open 12 Inlet and 18 Outlet to start working.

6. **Stop running :**

- a. Please close 12 Inlet and 18 Outlet first.
- b. Stop running water and open N3 Vent.
- c. Then open the filter housing after relieving the inner pressure.