



# TM Filter Cartridge Housing Instruction Manual



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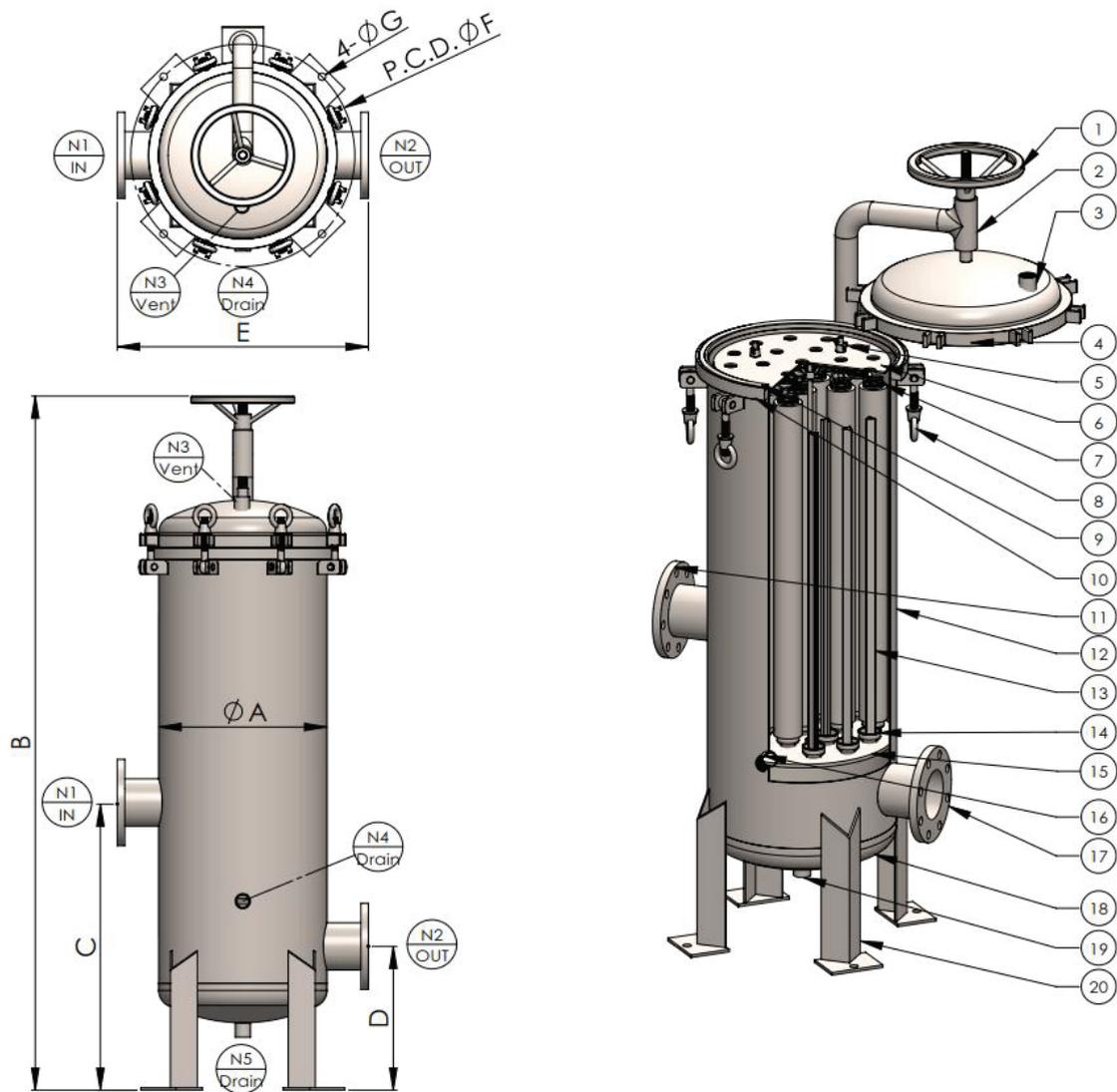
## Notice

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 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	Turntable	2	Davit	3	Vent
4	Top Cover Flange	5	Nut	6	Pressure Plate
7	Springs	8	Eye bolt	9	O-ring
10	Shell Flange	11	Port Inlet	12	Shell
13	Cartridge Post	14	Pedestal	15	Cartridge Support Plate
16	Drain	17	Outlet	18	Bottom Cover
19	Drain	20	Support Leg		



## Instruction Manual

1. **Fix the filter housing** :
  - a. Adjust ⑳Support 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 ③vent.
3. **Open the filter housing and install the internal parts** :
  - a. Loosen the ⑧Eye bolt. Turn ①turntable in anticlockwise direction and open the top cover. Move the top cover right/left carefully and be sure the top cover was removed more than 10cm from the ⑫Shell.
  - b. Unfasten the ⑤Nut, and then take out ⑥Pressure plate, ⑦Springs.
  - c. Align the center of the filter cartridge with the ⑬Cartridge post and insert it. ⑦Springs aim to the center of cartridge hole and place on the top of the cartridge (Spring cover downward)
  - d. The holes of ⑥Pressure plate aim to the threaded rod and put it down in parallel. Please check if ⑦Springs aimed to the leading hole.
  - e. Fasten the ⑤Nut in clockwise direction and the installation of the internal cartridge is done.
  - f. Please make sure ⑨O-ring is in the groove. Turn the top cover to the top of ⑨O-ring and align it.

- g. After alignment, please use ① turntable to close the top cover tightly.
- h. Align the center of the U-shape with eye bolt socket and fasten ⑧ Eye bolt tightly.

#### 4. Testing :

- a. Close ⑩ ⑪ Drain, open ③ Vent.
- b. Pour in water until water comes out from ③ 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 ⑪ Inlet and unfasten ③ Vent to relieve the inner pressure.  
Then fasten the ⑧ Eye bolt tightly again.
- b. Open ⑪ Inlet and increase pressure slowly and check if there is any leakage.
- c. If not, please open ⑪ Inlet and ⑱ Outlet to start working.

#### 6. Stop running :

- a. Please close ⑪ Inlet and ⑱ Outlet first.
- b. Stop running water and open ③ Vent.
- c. Please open the filter housing after relieving the inner pressure.