



# **TJ Filter Cartridge Housing Instruction Manual**



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## Notice

1. Please follow the instruction manual to install and carry out a test for the housing.
2. This product is designed for filter equipment and used for water filtration only. Please do not use for other purposes to avoid danger.
3. This product is classified as a pressure vessel, and only professional or mechanical specialists can install and operate it.
4. Please read through the instruction manual before moving, installation and operation.
5. Please check the product and make sure that there are no any damages or components missing before installation. If the product is damaged, deformed or leaking, please stop operation.
6. Please choose the right cartridge filters for the water system before usage.
7. Please follow design specification to operate and take attention on the design pressure and operating pressure range.
8. The filter housing must be installed and fixed on the flat ground. Please do not install on the vibration ground.
9. Please do not open the top cover before installation and piping.
10. It is suggested to attach pressure control valve to keep stable water pressure to avoid sudden pressure change and result of leakage.

11. It may cause filter housing damage under sudden turn on and shut down of ball valve.

Moreover, to prevent damage caused by excess flow and reverse flow.

12. Be sure to release the internal pressure of the filter housing completely before filter cartridges replacement. Please be cautious of fluid ejection during high temperature usage.

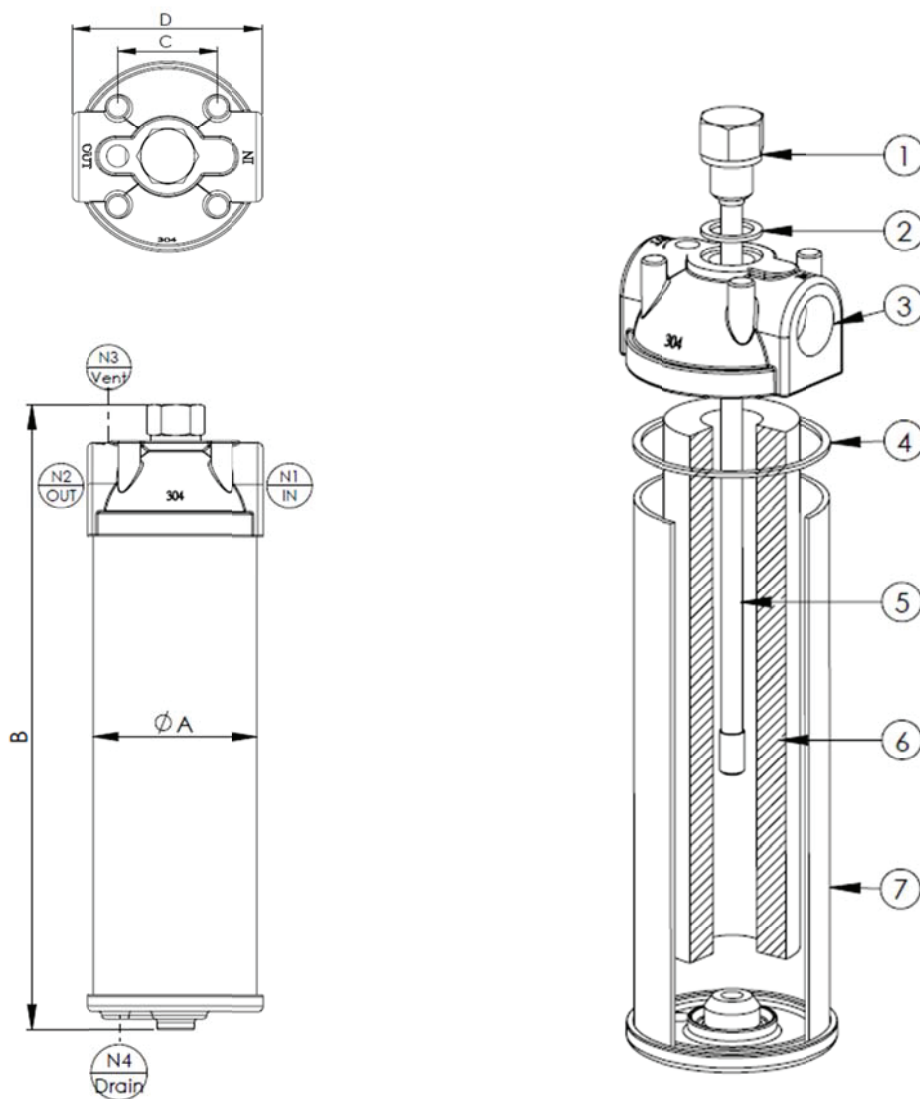
13. Please use the suitable O-ring and check it regularly. Please replace it if necessary.

Deterioration or damaged of O-ring may cause fluid leakage.

14. The internal plastics components will be deteriorated after long-term use. Please check it regularly and replace it if deterioration or damage is found.

## Know Your Housing

No.	Description	No.	Description	No.	Description
1	Nut	2	Gasket	3	Cap
4	Gasket	5	Screw Rod	6	Cartridge
7	Shell				



# Instruction Manual

## 1. **Fix The Filter Housing :**

Using the screw hole of ③ cap or wall bracket to fix the housing on the machine

## 2. **Pipe :**

- a. Connect the water port inlet and outlet to the main pipe.
- b. Install the exhaust valve and pressure gauge on the vent.

## 3. **Operate The Filter Housing And Install The Internal Parts :**

- a. Unfasten ① nut in clockwise direction and take out ① nut.
- b. Release ⑦ shell and take out from ③ cap.
- c. Make sure the gaskets ② and ④ are in the correct position. <refer page 4>
- d. Insert the cartridge into shell ⑦ and attach cap ③ to the shell.
- e. Fasten the nut ①.

## 4. **Test :**

- a. Close N4 drain and open N3 vent
- b. Pour in water until water comes from vent, and then close the vent valve
- c. Keep the above step for 30 minutes and checks whether there is leaking.

**5. Stop Leaking :**

- a. Please close the inlet port, unfasten vent port to release internal pressure of the filter housing while liquid leakage occur.
- b. Unfasten ⑦ shell and twist firmly in clockwise direction.
- c. Open inlet port and add pressure gradually to check if leakage occur.
- d. Please open inlet and outlet ports to start filtration if no liquid leakage occur.

**6. Stop Operation :**

- a. To stop filtration operation, please close inlet and outlet ports first to stop the flow inside.
- b. Open the vent to release pressure slowly.
- c. To make sure internal pressure is released completely and then open the filter housing.