

# **RL8 RO Membrane Housing Instruction Manual**



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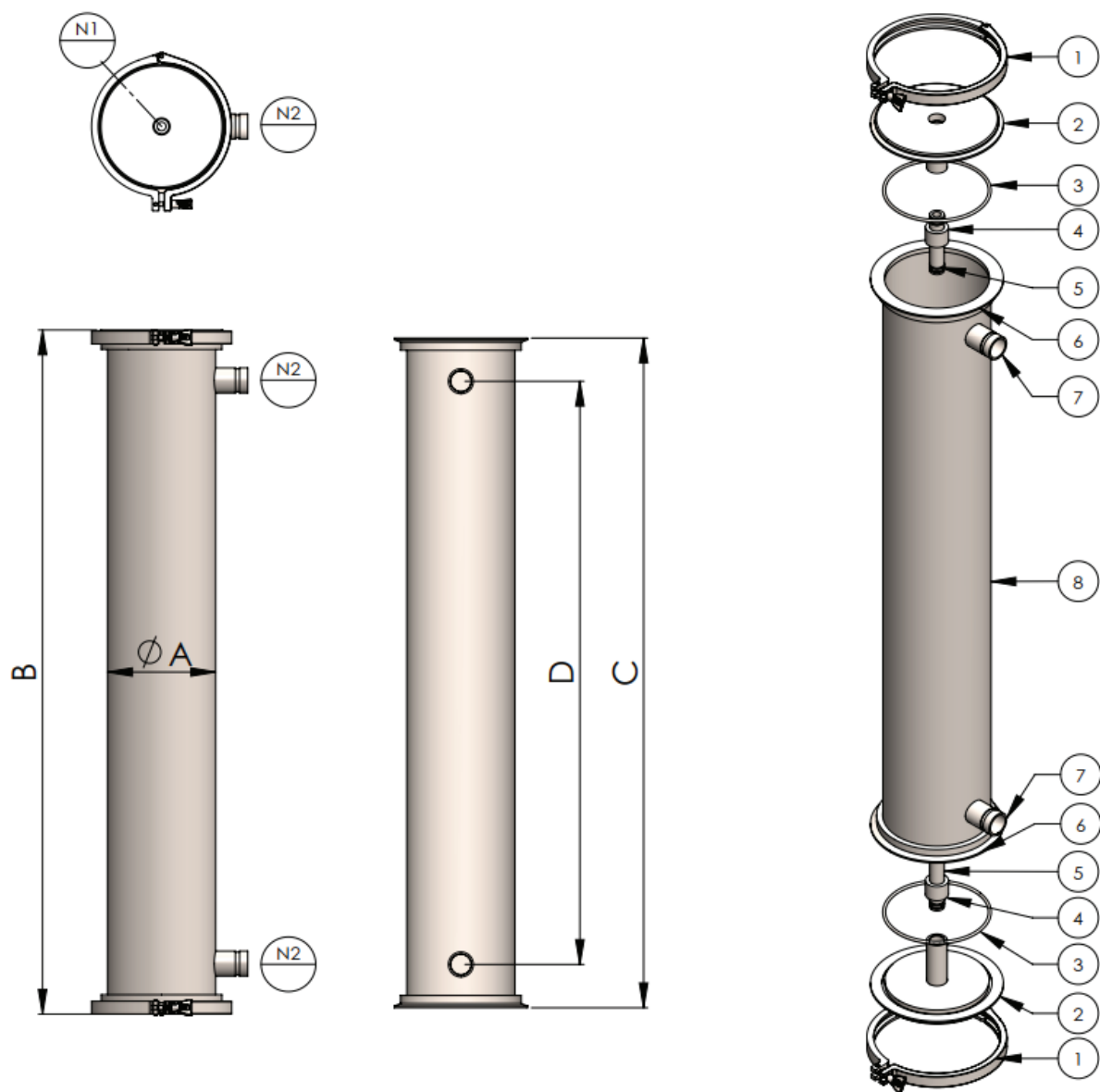
## Notice

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   | Clamp              | 2   | RO Head     | 3   | O-Ring       |
| 4   | PVC Coupling       | 5   | O-Ring      | 6   | Shell Flange |
| 7   | Victaulic Coupling | 8   | Shell       |     |              |



## Instruction Manual

### 1. Open the filter and install the internal parts :

- a. Complete Installation of ②RO Head and ③ 5 O-ring.
- b. Unfasten ①Clamp. Connect ②RO Head with the top of ④PVC and the bottom of ④PVC with inside membrane. Fasten the ①Clamp tightly. (If the connect point of membrane is hollow, please connect the ④PVC Coupling with ②RO Head first.)
- c. The installation of internal membrane is done, connect another side ②RO head and shell, then close and fasten ①clamp tightly. Check if the top and bottom ②RO head and ①Clamp are completely installed.

### 2. Fix :

- a. Set up the installation-completed RO products on the equipment (Related position).

### 3. Pipe :

- a. Connect pipe with top and bottom ②RO head. (The configuration of pipeline and flow is according to the requirements.)

### 4. Testing :

- a. Close the inlet and outlet, then open the vent (Choose one of ②RO Head as relieve pressure point)
- b. Pour in water until water comes out from vent then close the exhaust valve at vent.

- c. Keep the above step for 30 minutes and checks whether there is leaking.

## 5. Stop leaking :

- a. If the leakage was found, please close inlet and loosen vent to relieve the inner pressure.
- b. Close inlet and drain. Unfasten the 1 Clamp, and fasten it tightly. Open inlet, increase pressure slowly and check if there is any leakage.
- c. If not, please open inlet and outlet to start working.

## 6. Stop running :

- a. Please close inlet first then stop the flow inside and relieve the pressure slowly.
- b. Close the outlet and drain after pressure relieved, and remove the shell.