

# Rizonflow® Stainless Steel Filter Housing

Design of Rizonflow® Stainless Steel Filter Housing is to be used for installation of high flow filter cartridges. Compared to usual type of vessels, it allows installing larger size of filter cartridges and it requires less cost. The horizontal design makes a quick and easy change out for filter cartridges.



## Features & Benefits

- It affords higher filter pressure, and provides variety type of pressure rating.
- Unique supporting net tube structure permits safe use of filter cartridge
- Horizontal & Vertical installing ways are provided, easy installation and maintenance for customers.

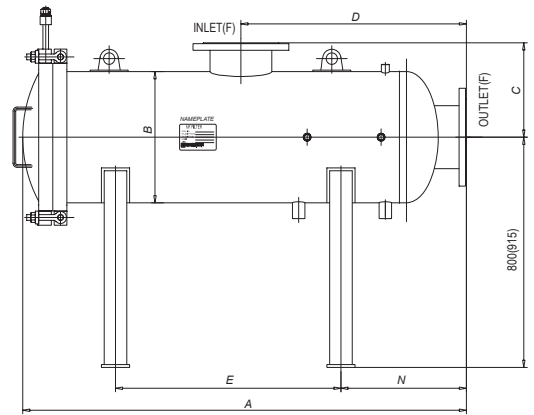
## Specification

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Design pressure             | 0.6Mpa(6.0bar)0.75Mpa(7.5 bar)1.0Mpa(10bar)<br>(Note: For more pressure ratings, Pls don't hesitate to consult our company) |
| Maximum temperature         | 120° C                                                                                                                      |
| Filtration media            | common fluid                                                                                                                |
| Sealing type                | O-ring and flat gasket                                                                                                      |
| Sealing material            | Buna-N rubber/Silicon rubber/Fluorine rubber                                                                                |
| Connector                   | Thread mouth/Coupling/standard flange(GB、HG、DIN、ANSI , etc)                                                                 |
| Applicable filter cartridge | Rizonflow/Rizonflow+/Realmax filter cartridge                                                                               |
| Surface treatment           | Abrasive blasting/Mechanical polishing/Electro polishing                                                                    |
| Material                    | SS304 SS316                                                                                                                 |

## Applications

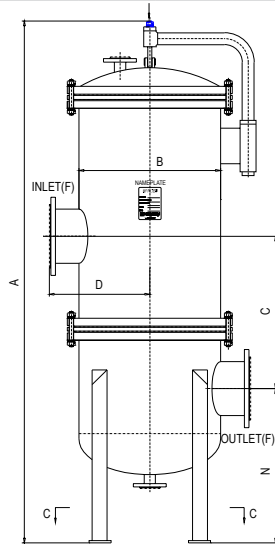
- Pre-filtration and terminal filtration for NF、UF、RO、EDIsystem,etc.
- UF、RO back flushing and CIP filtration
- Condensate deironing filter housing
- Manufacture and household wastewater treatment, water recycling pre-treatment, pre-filtration
- Pre-filtration and terminal filtration of Electronic, microelectronic and semiconductive industrial high purity water
- Oilfield reinjection water,boiler feed water, chemical reagent, Liquid organic products, high purity chemicals, pesticide,etc.
- Purified water for drinking, mineral water, fruit juice, healthy drinks

## Stainless Steel Filter Housing Parameter



Horizontal Stainless Steel Filter Housing Parameter

| Model | Elements (Quantity) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | N (mm) | Flowrate Recommended (GPM) | Weight (KG) |
|-------|---------------------|--------|--------|--------|--------|--------|--------|--------|----------------------------|-------------|
| HO-02 | 2                   | 1500   | DN350  | 278    | 770    | 800    | DN150  | 420    | 500                        | 140         |
| HO-03 | 3                   | 1550   | DN400  | 303    | 780    | 800    | DN150  | 432    | 750                        | 180         |
| HO-04 | 4                   | 1600   | DN450  | 328    | 800    | 800    | DN200  | 445    | 1000                       | 230         |
| HO-05 | 5                   | 1600   | DN550  | 379    | 810    | 800    | DN200  | 470    | 1250                       | 280         |
| HO-07 | 7                   | 1650   | DN600  | 404    | 820    | 800    | DN250  | 475    | 1750                       | 330         |
| HO-08 | 8                   | 1650   | DN650  | 429    | 850    | 800    | DN250  | 467    | 2000                       | 380         |
| HO-12 | 12                  | 1800   | DN800  | 555    | 910    | 800    | DN300  | 555    | 3000                       | 500         |
| HO-15 | 15                  | 1800   | DN850  | 580    | 960    | 800    | DN350  | 541    | 3750                       | 580         |
| HO-19 | 19                  | 1900   | DN1000 | 706    | 1020   | 800    | DN400  | 625    | 4750                       | 650         |
| HO-32 | 32                  | 1900   | DN1200 | 806    | 1020   | 800    | DN500  | 625    | 8000                       | 1700        |



Vertical Stainless Steel Filter Housing Parameter

| Model | Elements (Quantity) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | N (mm) | Flowrate Recommended (GPM) | Weight (KG) |
|-------|---------------------|--------|--------|--------|--------|--------|--------|--------|----------------------------|-------------|
| VT-01 | 1                   | 1450   | DN200  | 175    | 160    | 210×4  | DN65   | 225    | 250                        | 30          |
| VT-02 | 2                   | 1900   | DN350  | 750    | 278    | 505×3  | DN150  | 450    | 500                        | 140         |
| VT-03 | 3                   | 1900   | DN400  | 750    | 303    | 340×3  | DN150  | 450    | 750                        | 160         |
| VT-04 | 4                   | 2000   | DN450  | 750    | 328    | 400×3  | DN200  | 550    | 1000                       | 190         |
| VT-05 | 5                   | 2100   | DN550  | 800    | 379    | 520×3  | DN200  | 550    | 1250                       | 230         |
| VT-07 | 7                   | 2200   | DN600  | 800    | 404    | 550×3  | DN250  | 700    | 1750                       | 260         |
| VT-08 | 8                   | 2200   | DN650  | 800    | 479    | 600×3  | DN250  | 700    | 2000                       | 280         |
| VT-12 | 12                  | 2300   | DN800  | 900    | 555    | 730×4  | DN300  | 800    | 3000                       | 370         |
| VT-15 | 15                  | 2400   | DN850  | 910    | 580    | 780×4  | DN350  | 900    | 3750                       | 400         |
| VT-19 | 19                  | 2350   | DN1000 | 1020   | 706    | 930×4  | DN400  | 830    | 4750                       | 706         |

## Ordering Information

VT  
↓  
Housing Type  
HO-Horizontal  
VT-Vertical

— 04 —  
↓  
Element quantity

— DN450 —  
↓  
Housing diameter

SS  
↓  
Housing Material  
SS=Stainless Steel+Code  
CSR=Carbon Steel with rubber liner  
FRP=Fiber Reinforced plastic  
CSS=Carbon Steel with Stainless Steel liner