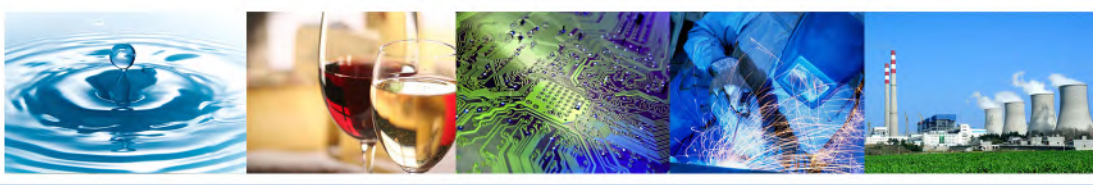
Hongtek
Make Better Filtration



# PPU Series

# PPH Single High Flow Filter Housing

## Description

PPU Series PPH Single High Flow Filter Housing is made of Polypropylene Homopolymer (PPH) plastic integral die casting. PPH material has the advantages that stainless steel does not have. PPH high flow filter housing has the characteristics of strong corrosion resistance, acid and alkali resistance, high temperature resistance, high strength, and non-conductivity. PPH single high flow filter housing uses a single high flow series filter cartridge. The PPH single high flow filter housing can be configured as an independent unit or combined with multiple filter housings in parallel according to on-site usage scenarios, which can effectively increase the flow of produced water and save space. PPH single high flow filter housing has smooth inner and outer walls, clean surface, not easy to scale, prevent bacterial growth, easy to clean, easy to install and maintain, and cost-effective. PPH high flow filter housing are widely used in industrial seawater desalination systems, chemical industry filtration, RO pre-filtration systems, power plant water treatment, electroplating solution filtration etc..

## Features

- Wide application range and long service life
- Easy to install and maintain, save labor cost, cost-effective
- Good sealing performance, no dead angle, no side leakage
- PPH high flow filter housing has Large flow and smaller installation space
- Strong corrosion resistance, acid and alkali resistance, high temperature resistance

## Specification

| | |
|---|---|
| Housing Material | PPH (Polypropylene Homopolymer) |
| Housing Direction | Vertical |
| Filter Size | High Flow Cartridge 30", 40" Length & 6" OD |
| Number of Filter | Single |
| Housing Thickness | 16mm |
| Filtration Rating | 1μm - 100μm |
| Connection | Side Port |
| Inlet/Outlet Type | Flange |
| Inlet/Outlet Size | DN50, DN65, DN80 |
| Sealing Type | Screwing Cap, Swing Bolt Cap |
| Seal Material | Viton |

## Application

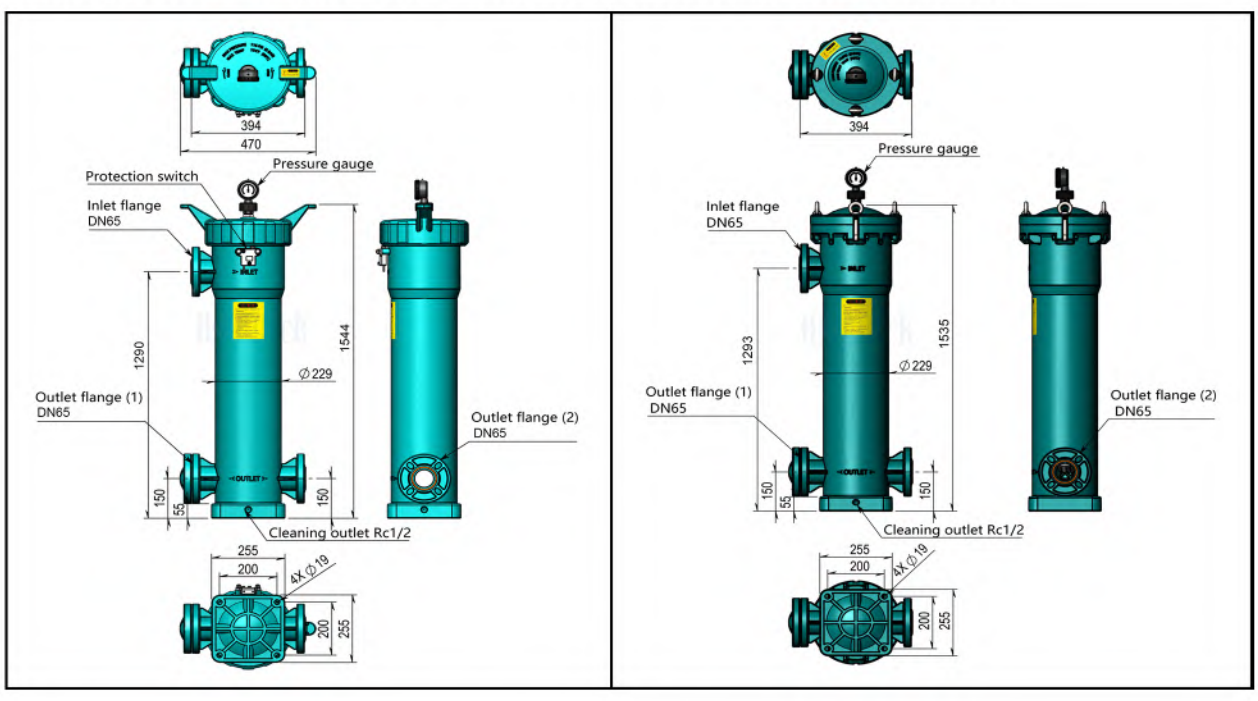
- RO Prefiltration
- Water Treatment
- Food and Beverage
- Medical and Chemical
- Electroplating Industry
- Sea Water Desalination
- Ultrafiltration Pretreatment
- Power Plant Water Treatment

## Operation Data

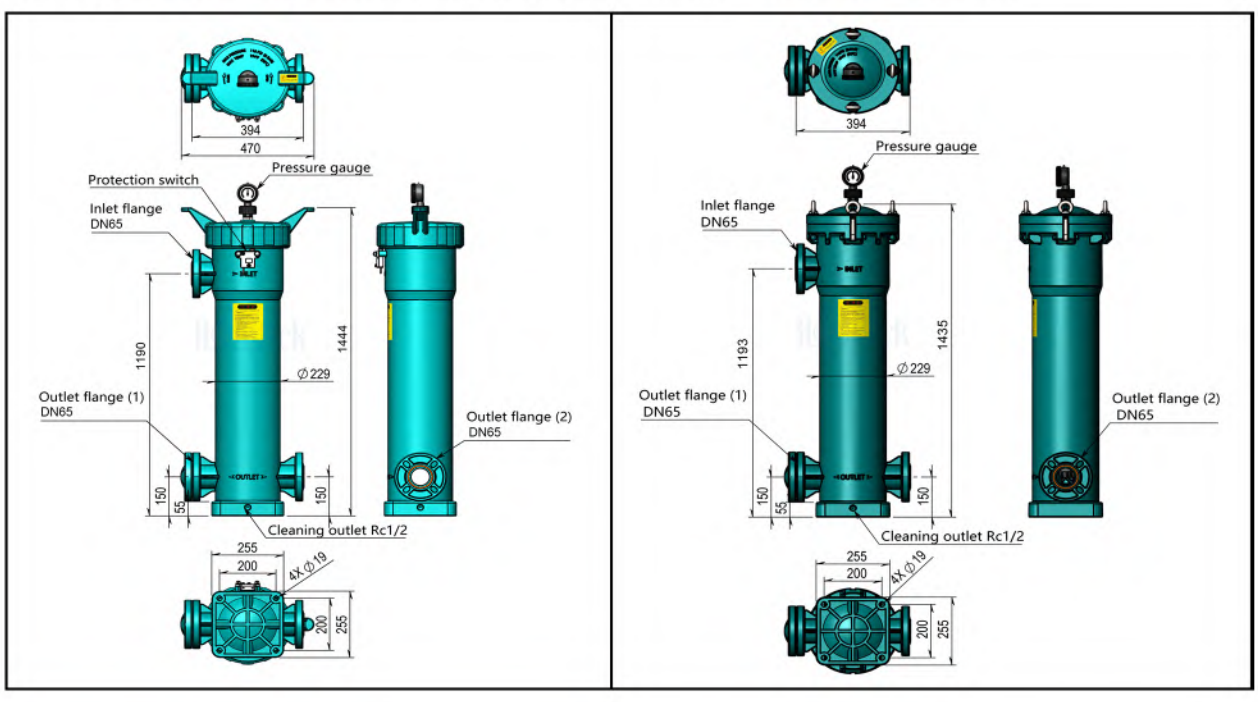
| | |
|---|---|
| Max. Temperature | 90°C |
| Max. Pressure | 116psi (8bar) |
| Liquid Flow Direction | Side in and side out |
| Flow Rate | Single 30" High Flow Cartridge: 22.5m³/h |
| | Single 40" High Flow Cartridge: 30m³/h |

## Tech Support

### Drawing of PPH 40" High Flow Filter Housing - Inside to Outside Flow Direction




### Drawing of PPH 40" High Flow Filter Housing - Outside to Inside Flow Direction




## Order Information

| PPU | Filter Length | Liquid Flow Direction | Number of Filter | Sealing Type | Inlet/Outlet Size (Flange) |
|---|---|---|---|---|---|
| PPU Series PPH Single High Flow Filter Housing | 30 = 30" | I = Inside to Outside | 1 = 1pc | A = Screwing Cap | N50 = DN50 |
| | | | | | N65 = DN65 |
| | 40 = 40" | O = Outside to Inside | | B = Swing Bolt Cap | N80 = DN80 |

**For Example:**

**PPU-40-O-1-B-N65**

**PPU Series PPH Single High Flow Filter Housing - 40" - 1pc - Outside to inside - Swing Bolt Cap - DN65**

**Please note: accept special customization and multi high flow filter housings combination**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