



## Stainless Steel Disc Filter Holders

### Short Description:

Stainless steel disc holders are designed for membrane disc filtration. The disc holders are commonly used in the Chemical, Biological, Pharmaceutical and Food & Beverage industries. The material is 316L stainless steel as ASME BPE standards. The disc holders are portable and easy to assemble. The unique design ensures excellent performance under pressure up to 75 psi [5.2 Bar]. The disc holders are available in different sizes (47mm, 90mm, 142mm and 293mm).



*47mm Stainless Steel Disc Holder*



*90mm Stainless Steel Disc Holder*

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*142mm Stainless Steel Disc Holder*



*293 mm Stainless Steel Disc Holder*

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## Description:

The stainless-steel disc holders ensure clarification and high purity filtration of chemical fluids. The disc holders allow varieties of membrane to fit in to separate different types of impurities from a compound. The innovative design makes them portable and easy to assemble. The simplicity in design makes the filtration process efficient and much quicker. The material is high quality 316L stainless steel as ASME BPE standards. The inner and outer surface of disc holders are electropolished which provides excellent durability and high chemical compatibility. The head and bowl of the disc holders are held together with a clamp which allows faster membrane replacement and disassembly. Rubber seals are used to seal any kind of leakage and prevents breakage in case it experiences excess pressure. The inlet and outlet port are non-threaded and can be clamped with a fitting. The disc holders are ideal and very convenient for Chemical, Biological, Pharmaceutical and Food & Beverage industries.

## Material of Construction:

- Head: 316L Stainless Steel
- Bowl: 316L Stainless Steel
- Screen: 316L Stainless Steel
- Clamp: 304 Stainless Steel
- Legs: 304 Stainless Steel
- Vent/Drain: 316L Stainless Steel
- Seals and O-rings: Silicone, EPDM, Buna or Viton
- Wing Nuts and Screws: 304 Stainless Steel

## Connections:

Inlet/outlet: 0.5" or 1.5" Sanitary Flange  
Vent/Drain: 1/4" Hose Barb

## Finish:

Internal Surfaces: Electro-Polished < 16RA  
External Surfaces: Electro-Polished < 25RA

## Operating Condition:

Max operating pressure: 75 psi [5.1 Bar]

## Applications:

- Food and Beverages
- Biologics
- Electronics
- Fine Chemicals
- High Purity Water
- Membranes
- Pharmaceuticals

## Features:

- Aseptic Design
- Portable
- Easy to Assemble
- Electro-polished
- Maximize Product Recovery





## Product Information

Specifications	47mm	90mm	142mm	293mm
Materials	316L	316L	316L	316L
O-rings	Silicone/EPDM /BUNA	Silicone/EPDM /BUNA	Silicone/EPDM /BUNA	Silicone/EPDM /BUNA
Filter Size	47mm	90mm	142mm	293mm
Area	2.7 in <sup>2</sup>	9.8 in <sup>2</sup>	24.5 in <sup>2</sup>	104.5 in <sup>2</sup>
Diameter	1.8 in	3.5 in	5.6 in	11.5 in
Height	4.0 in	11.6 in	13.2 in	15.0 in
Max Liquid Temperature	259 °F [126 °C]	259 °F [126 °C]	259 °F [126 °C]	259 °F [126 °C]
Maximum Operating Pressure	71.1 psi [4.9 Bar]	71.1 psi [4.9 Bar]	75 psi [5.2 Bar]	55 psi [3.8 Bar]
Connections, Inlet	1/2 in Tri-Clamp	1 1/2 in Tri-Clamp	1 1/2 in Tri-Clamp	1 1/2 in Tri-Clamp
Connections, Outlet	1/2 in Tri-Clamp	1 1/2 in Tri-Clamp	1 1/2 in Tri-Clamp	1 1/2 in Tri-Clamp
Filter Media Sheet	Membrane and PP Fibrous	Membrane and PP Fibrous	Membrane and PP Fibrous	Membrane and PP Fibrous
Shipping Weight	1.6 lbs [0.7 kg]	9.0 lbs [4.1 kg]	16.0 lbs [7.3 kg]	38.0 lbs [17.2 kg]

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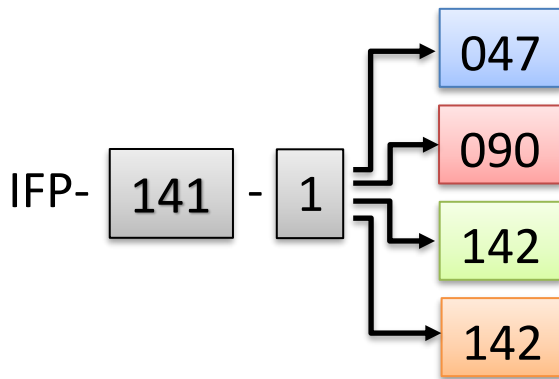
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## Ordering Information:



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90 mm Disc Holder
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