

# DISCSTAR® H



## HORIZONTAL HOUSING FOR FILTER MODULES

### Description

Economical horizontal stainless steel filter housing for lenticular depth filter modules. Designed for 2 to 4 modules with 16" diameter and DOE adapter.

- System of choice for frequently changing filtration applications
- High-capacity depth filtration with no drip loss (no edge leaking)
- Designed and manufactured for heavy duty use – 24/7
- Side opening for easier and time saving operation

### Applications

Pharmaceutical: Decolorization with activated carbon modules, APIs, Enzymes, Plant and natural extracts, Pharmaceutical intermediates, Active agents  
Food and Beverage: Wine, Tea, Juice, Beer, Distilled products, Sugars

### Product Details

- High chemical resistance
- Small footprint
- Easy CIP cleaning possible
- Adaptable to customer's process requirements
- Available with DOE (flat gasket) adapter
- Corrosion resistance and durability due to 316L/1.4404 stainless steel and automatic welding
- For a proper compression of the module stack, a compression force can be applied
- From the outside Screw clamp closure systems simplifies operation
- No crane is needed to open the housing and replace the modules
- Ergonomic chest high operation
- Customizable with optional accessories
- Skid version with two, three or more housings available
- User-manual and declaration of conformity included

### Filter Area

Type	Size 2	Size 3	Size 4
DISCSTAR® H	7.2 m²/78 sq ft	10.8 m²/116 sq ft	14.4 m²/155 sq ft
Volume housing	92 liters	135 liters	180 liters

### Specifications

Description	Characterization
Materials of construction (wetted parts)	316L/1.4404
No. of modules	2, 3, 4
Module diameter	16"
Socket	Flat gasket (DOE)
In/Out connections	DN50 DIN 11851, other connections on request
Drains and vent	Clamp ASME BPE 1.5"
Pressure (PS) min-max	-1 to 6 bar (liquid and gases)
Temperature (TS) min-max	-20 °C to 140 °C
External surface	Mechanical polished: Ra<1.6 µm
Internal surface	Mechanical polished: Ra<0.8 µm
ATEX regulation	Compliant with EU directive
PED 2014/68/EU	Liquid and Gas, PED Fluid Group 1
O-Ring / Gaskets	EPDM – FDA approved

Quality Assurance

- ISO 9001 (quality management)
- FDA (US Food and Drug Administration)
- ATEX Compliance
- Designed according to Pressure Equipment Directive (PED 2014/68/EU)
- Certificates: 3.1 Material, Roughness, welding, and others

Accessories

<b>VENT TC 1.5" VALVE + CLAMP</b>	<b>VENT TC 1.5" SIGHT GLASS 2 SANITARY VALVE + CLAMP</b>	<b>VENT TC 1.5" SIGHT GLASS 2 BALL VALVE + CLAMP</b>
		
<b>BUTTERFLY VALVE</b>	<b>DIAPHRAGM VALVE</b>	<b>TROLLEY FOR MODULES</b>
		
<b>BALL VALVE</b>	<b>SAMPLING TEST</b>	
		

Other accessories and spare parts available on request

Remarks

The validity of the information cannot be guaranteed for every application. All information is based on current knowledge and does not claim to be complete. No liabilities can be derived from this information. FILTROX reserves the right to make changes in the course of technical improvements.