mott corporation

Mott Filter Housings for Bio-Processing

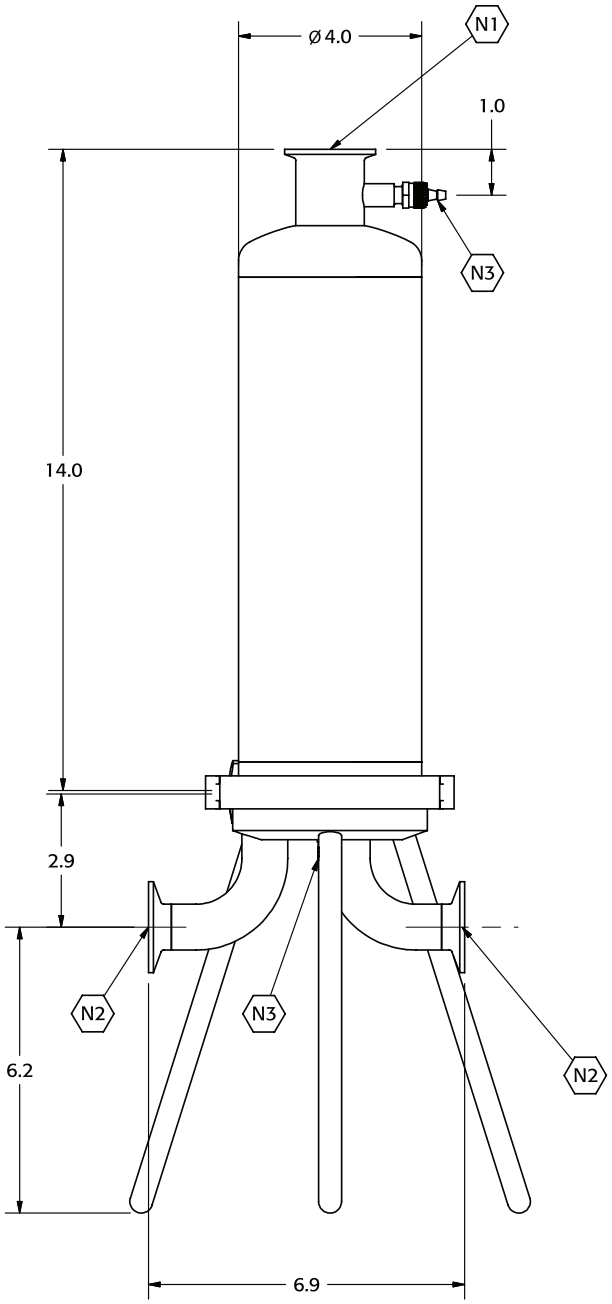
Mott Sanitary Filter Housing

Mott High Purity sanitary inline housings are designed for pharmaceutical, biotech, and food and beverage process gas filtration applications. These housings hold one single open-ended sanitary style filter cartridge. Benefits of this housing are:

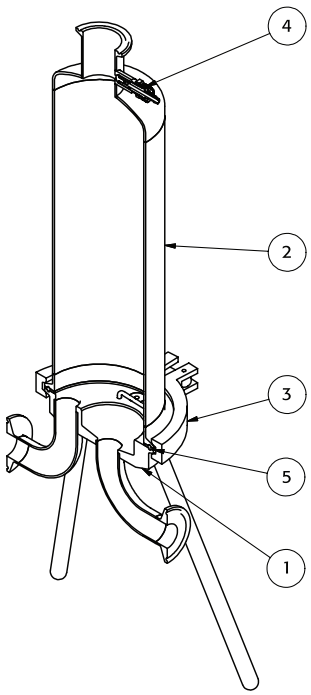
Features

- Low hold-up volume – maximizing product recovery
- Available in T-Line or Inline Designs
- 20 Ra Electro-polished internal finish
- Locking flanges with 2-226 all-metal filter cartridges. No need for springs or bayonet caps
- Easy-draining features allow quick removal of product, CIP solution, and steam condensate
- Automated orbital welding – produces consistent high-quality welds
- Quick connect/disconnect vent coupling – enables easy hook-up to filter integrity test systems
- Manufactured for use under cGMP

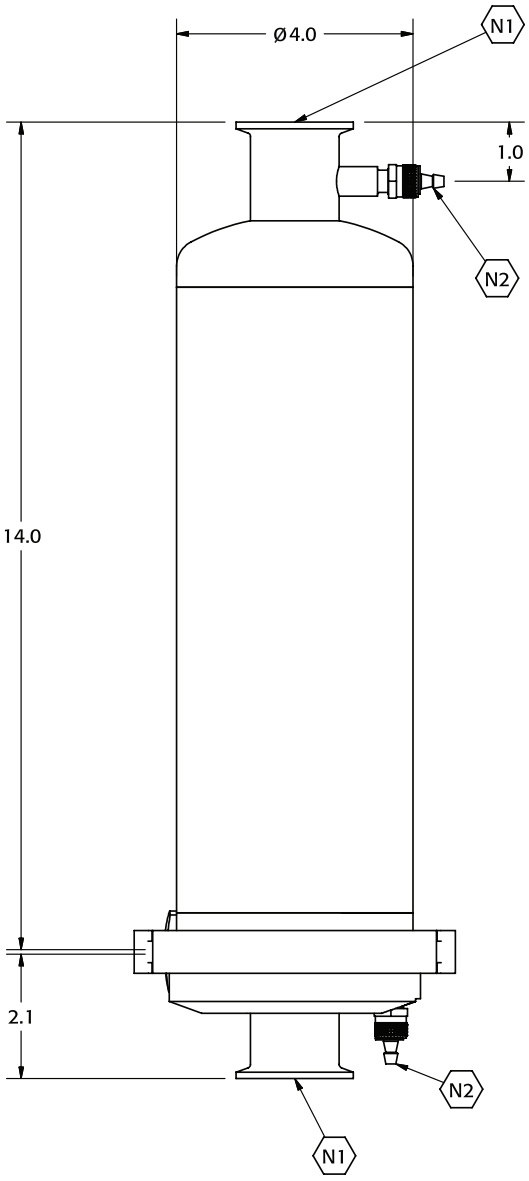
T-Style Gas Filter Housings



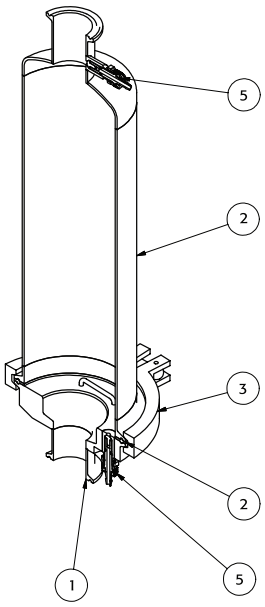
Part Number	HS0117TLVD10SNS
Description	1 round 1 high, 226F, T-sty, threaded legs, vent valve in 1 1/2" sanitary gauge port, drain valve in base, 1" sanitary inlet and outlet
Design Conditions	
Vessel Mean Average Working Pressure	150 PSI (10.34 bar)
Design Temperature	300°F (149°C)
Min Design Metal Temp	-20°F (-28.9°C)
Hydrostatic Test Pressure	225 PSI (15.51 bar)
Corrosion Allowance	0.0
Materials of Construction	
Shell	316L SA 312
Head	316L SA 240
Base	316L SA 240
Gasket	Silicone USP Class VI
Flange	316L SA 240
Bolts/Clamp	Clamp 304 SS
Valve Tip	Kynar
Finish Requirements	
Interior	20µ RA
Exterior	32µ RA
Volume and Weight	
Internal Volume	0.08 CU. FT
Empty Weight	12 lbs
Full Weight	18 lbs
Nozzle Schedule	
N1	1 1/2"
N2	1" Sanitary Ferrule
N3	1/4" Hose Barb Valve



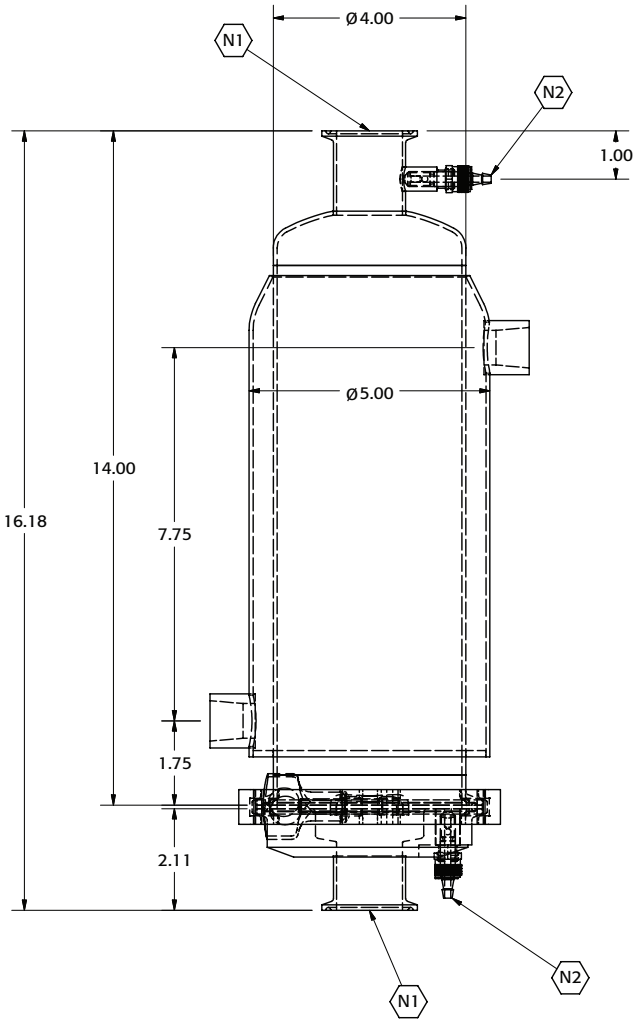
Inline Style Gas Filter Housings



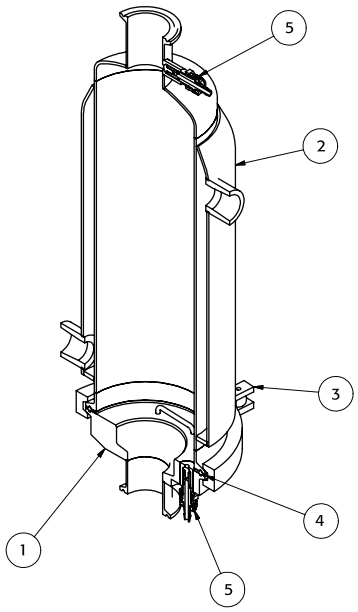
Part Number	HS0117NXVD15SNS
Description	1 round 1 high, 226F, inline sty, vent valve in 1 1/2" sanitary, drain valve in base, 1" sanitary inlet and outlet
Design Conditions	
Vessel Mean Average Working Pressure	150 PSI (10.34 bar)
Design Temperature	300°F (149°C)
Min Design Metal Temp	-20°F (-28.9°C)
Hydrostatic Test Pressure	225 PSI (15.51 bar)
Corrosion Allowance	0.0
Materials of Construction	
Shell	316L SA 312
Head	316L SA 240
Base	316L SA 240
Gasket	Silicone USP Class VI
Flange	316L SA 240
Bolts/Clamp	Clamp 304 SS
Valve Tip	Kynar
Finish Requirements	
Interior	20µ RA
Exterior	32µ RA
Volume and Weight	
Internal Volume	0.08 CU. FT
Empty Weight	12 lbs
Full Weight	18 lbs
Nozzle Schedule	
N1	1 1/2" Sanitary Ferrule
N2	1/4" Hose Barb Valve



Inline Style Filter Housings with Optional Steam Jacket



Part Number	HS0117NXVD15SJS
Description	1 round 1 high, 226F, inline-sty, vent valve in 1 1/2" sanitary, drain valve in base, 1" sanitary inlet and outlet with optional steam jacket with 1/2" NPT female connections
Design Conditions	
Vessel Mean Average Working Pressure	150 PSI (10.34 bar)
Design Temperature	300°F (149°C)
Min Design Metal Temp	-20°F (-28.9°C)
Hydrostatic Test Pressure	225 PSI (15.51 bar)
Corrosion Allowance	0.0
Materials of Construction	
Shell	316L SA 312
Head	316L SA 240
Base	316L SA 240
Gasket	Silicone USP Class VI
Flange	316L SA 240
Bolts/Clamp	Clamp 304 SS
Valve Tip	Kynar
Finish Requirements	
Interior	20µ RA
Exterior	32µ RA
Volume and Weight	
Internal Volume	0.08 CU. FT
Empty Weight	12 lbs
Full Weight	20 lbs
Nozzle Schedule	
N1	1 1/2" Sanitary Ferrule
N2	1/4" Hose Barb Valve
N3	1/2" Female NPT



Mott can assist with sizing a housing and filtration solution for your application's fluid, flow and pressure. For assistance email us at **Quest@mottcorp.com** or call us at **1-800-289-6688 (1-800-BUY-MOTT)** to speak with a High Purity Product representative.

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