

H-GCF GAS FILTER HOUSINGS

Gas filter housings for air/gas filtration in biotechnology, chemical, electronic, and food & beverage industries

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GAS FILTER HOUSINGS FOR AIR/GAS FILTRATION

H-GCF Gas Filter Housings are designed for air/gas filtration in biotechnology, chemical, electronic, and food & beverage industries.

The housings are compatible with standard cartridges to meet the requirements of air/gas filtration. Endcap design of the housing is Code 7 (external 226 double o-ring with 2 locking tabs) which provides safe and secure sealing. Features include mechanical polishing with a Ra of 15 µm (0.3 µm), easy-to-clean, and thorough drainage which eliminates concerns about remaining liquids. Electro-polishing finish is also an available option.

FEATURE	BENEFIT
Designed for Code 7 cartridges	Provides safe and secure sealing of cartridges with 226 double o-ring and 2 locking tabs
Quality surface finishing	With an internal Ra of 0.38 µm (15 µin.) and external Ra of 0.4 µm (16 µin), the sanitary surface finish prevents entrapment or build-up of contaminants. All electro-polishing is also available
Vent and drain options	Available with vent and drain options to allow easy clean and thorough drainage.
Standard housing options	Housing flange connections are designed in accordance with international standards to allow connection to industry-standard connections.

SPECIFICATIONS

Surface finish	Polish Type: Mirror Polish; Internal Electro-polished option Surface Option: Internal Ra: 0.38 µm (15 µin.) External Ra: 0.4 µm (16 µin.)
Housing body, Vent/Drain	304; 316L
Clamp, Leg	304
O-ring/gaskets	Silicone, FKM, EPDM
Max. operating pressure	Design Pressure X: 0.6 MPa (6 bar, 87 psi) Design Pressure Y: 1.0 MPa (10 bar, 145 psi) Design Pressure Q: 1.4 MPa (14 bar, 203 psi)
Max. operating temperature	90°C (194°F) / Design temperature: 140°C
In-line steam sterilization	In-situ / Autoclave for 30 minutes at 121°C
Body connection	Tri-clamp, strengthened clamp
Inlet/Outlet	1", 1.5", and 2" Tri-clamp, Flange
Drain	1/4" Male NPT, 1/2" Tri-clamp
Pressure gauge	1/4" Female NPT, Tri-clamp



Typical Applications

- Gas filtration

DIMENSIONS

DIMENSION A

Cartridge	TRI-CLAMP with Threaded Vent/Drain Fitting	TRI-CLAMP with Tri-Clamp Vent/Drain (-T)	FLANGE with Threaded Vent/Drain Fitting
5"	227 mm (8.94")	227 mm (8.94")	220 mm (8.66")
10"	337 mm (13.27")	337 mm (13.27")	330 mm (12.99")
20"	597 mm (23.50")	597 mm (23.50")	590 mm (23.23")
30"	847 mm (33.35")	847 mm (33.35")	840 mm (33.07")

ORDERING INFORMATION

EXAMPLE: **H-GCF0110SSTT25EAXP** = 1 round, 10", 316L, 226, Tri-clamp, 1" TC I/O, with EPDM seals, mirror polish, 87 psi max, pharmaceutical

H-GCF

- Material**
F = 304
S = 316L
- Filter Length**
05 = 5"
10 = 10"
20 = 20"
30 = 30"
- Number of Filters**
01 = 1 round
03 = 3 round
05 = 5 round
- Vent and Drain Connection**
— (Blank) = Bowl Drain (1/4" Male NPT)
Base Vent (1/4" Female NPT)
-T = Bowl Vent (1" Sanitary Tri-Clamp)
Base Drain (1/2" Sanitary Tri-Clamp)
- Cartridge Configuration**
S = 226
- Housing Connection**
T = Tri-Clamp
F = Flange
- Inlet/Outlet**
T25 = 1" Sanitary Tri-clamp
T38 = 1.5" Sanitary Tri-clamp
T50 = 2" Sanitary Tri-clamp
F25 = 1" Flange, 150# ANSI
F32 = 1.5" Flange, 150# ANSI
F50 = 2" Flange, 150# ANSI
*other options for 3 round available
- Seal Material**
S = Silicone
E = EPDM
V = FKM
- Surface Finish**
A = Mirror Polish
B = Additional Internal Electro-polished
- Design Pressure**
X = 0.6 MPa (87 psi)
Y = 1.0 MPa (145 psi)
Q = 1.4 MPa (203 psi)
- Application**
P = Pharmaceutical
F = Food and Beverage
C = Chemical
E = Electronics



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