



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 Features include mechanical polishing with a Ra of 15 µin (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 cartridges	Provides safe and secure sealing of cartridges with 226 , 222, and DOE cartridges	
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	Tri-clamp, Flange, Buttweld	
Drain	1/4" Male NPT, 1/2" Tri-clamp	
Bowl Vent	1/4" Female NPT, Tri-clamp	



Typical Applications

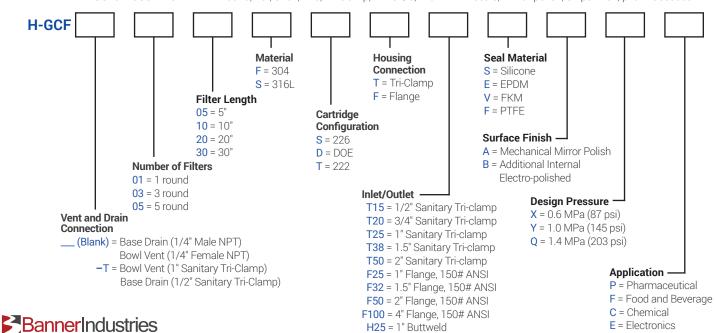
· Gas filtration

DIMENSION A

	DIMENSION A			
	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")	
	101.6 mm (4.00°) NLET (2.60°) DRAIN (0.79°)	101.6 mm (4.00°) NLET OUTLET 65 mm (2.76°) (2.76°) 20 mm (0.79°)	GAUGE PORT/VENT 30.0 mm (1.18") 101.6 mm (4.00") 100 mm (3.94") OUTLET 75 mm (2.95") (2.00") 20 mm (0.79")	

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



*other options for 3 and 5 round available

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