A Headline Filters Partner

"A leading worldwide supplier of high efficiency filters for a variety of industries and applications."

STAINLESS STEEL HOUSINGS WITH PYREX GLASS BOWLS

Our low-pressure stainless steel housings are ideal for gas analysis, emissions, CEM and sample process filter applications where continual monitoring is required. The Pyrex glass "G" bowl provides a full view of the element making visual checks fast and simple. Although all the stainless steel housings (designated w/o "G") eliminate the monitoring capabilities, they do provide a cost effective filter solution to systems requiring all stainless wetted parts.

The housings have minimal annular volume to reduce lag time and carry over. The 1/4" drain port in the base, also allows these housings to be utilized as by-pass and slipstream filters.

Features:

- Low Cost Design For Low Pressure Applications
- All 316L Stainless Steel
- Pyrex Bowl For At A Glance Observations
- 1/4" NPT Drain (Standard)
- Available In Hastelloy, Monel, Etc.

Applications:

- Sample Process Filtration
- Emission / Environmental Service
- Gas Analysis Protection
- Low Pressure Service
- Point-Of-Use Monitors

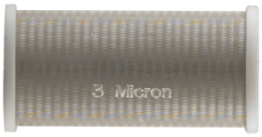
At the heart of our filter products is the filter element. Choosing the correct element insures proper results for your specific application:

Disposable Microfiber Elements

Disposable Microfiber Elements are most commonly used since they offer exceptional filtration, high flows with minimal pressure drops, and excellent chemical compatibility. These are ideal for use in sample conditioning, instrumentation, CNG, and Emission/Environmental service.

- For **Coalescing (liquid removal)** and particle collection use our grade "C". We recommend starting with the 70C which is rated at 95% efficient at 0.01 micron which provides outstanding filtration, at high flow rates.
- For **Particle removal** only use grade "K". We recommend starting with the 70K which is rate at 95% efficient at 0.01 micron which provides outstanding filtration, at high flow rates.
- For **Particulate removal** above 300°F (150°C) use grade "S".

Stainless Steel 5-Layer Mesh Elements



Stainless steel elements (SS) are designed for the filtration of heavily contaminated gas samples, CNG, and liquid streams since they are recleanable by back flushing or ultrasonic cleaning. Standard microns available: 0.5, 1, 3, 10, 25, 50, 100, and 200.

Sintered PTFE

Sintered PTFE elements are used where only pure PTFE may contact the sample. They should be used in our PTFE series of housings based on the stainless steel models. Model 122P, 122PG, 130P, 130PG, 132P, 132PG, 142P.
Standard microns available: 3,10, and 25.

Sintered Polyethylene (PEL)

Sintered polyethylene elements (PEL) are used only in non-corrosive applications to remove bulk contaminates.
Standard micron sizes available: 10, 25, and 75.

STAINLESS STEEL HOUSINGS WITH PYREX GLASS BOWLS

- Sample Conditioning Filter
- Economical Low Pressure Filter
- Environmental Analyzer Protection
- Accepts Microfiber, Stainless Steel, PTFE, & PEL Filter Elements

TECHNICAL INFORMATION

Housing Model	117G	127G	137G	138G	147G	148G
Port Size (NPT)	1/4"	1/4"	1/4"	1/2"	1/4"	1/2"
Drain Type (NPT)	1/8"	1/8"	1/4"		1/4"	
Maximum Pressure (psig)	100	100	100		100	
Internal Volume (cc)	29	39	110		250	
Maximum Temp. -Buna-N (250ºF)	BN127	BN127	BN137		BN137	
Maximum Temp. -EPDM (300ºF)	GE127	GE127	GE137		GE137	
Maximum Temp. -Viton (400ºF) Standard	**GV127**	**GV127**	**GV137**		**GV137**	
Maximum Temp. -Silicone (450ºF)	GS127	GS127	GS137		GS137	
Maximum Temp. – Encapsulated PTFE (400ºF)	GP127	GP127	GP137		GP137	
Maximum Temp. -Kalrez (600ºF)	KZ127	KZ127	KZ137		KZ137	
Weight of Housing (lbs)	1.0	1.0	2.0		3.0	
Principle Dimensions: (inches)						
Center Of Port To Head	0.47	0.47	0.59		0.59	
Head Diameter	1.58	1.58	2.20		2.20	
Overall Length	3.26	4.35	5.30		9.65	
Element Removal Clearance	0.70	1.65	2.76		7.28	
Filter Element Codes: (1)						
Disposable Element	12-32-□	12-57-□	25-64-□		25-178-□	
Stainless Steel Element	SS-12-32-□	SS-12-57-□	SS-25-64-□		SS-25-178-□	
PEL Element	PEL-12-32-□	PEL-12-57-□	PEL-25-64-□		PEL-25-178-□	
PTFE Element	PT-12-32-□	PT-12-57-□	PT-25-64-□		PT-25-178-□	
Materials Of Construction: (2)						
Head & Internals	316LSS	316LSS	316LSS		316LSS	
Bowl	Pyrex	Pyrex	Pyrex		Pyrex	
O-Rings (Standard)	Viton	Viton	Viton		Viton	
Accessories:						
Mounting Bracket	MBSS110	MBSS110	MBSS130		MBSS130	
Support Core	SC110	SC120	SC130		SC140	

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C (3) or 70C (4)

Air Line Pressure (PSIG)	117 Series		127 Series		137 Series		147 Series	
	50C	70C	50C	70C	50C	70C	50C	70C
2	1	3	2	4	3	6	6	8
15	2	6	3	7	6	11	10	13
30	3	9	4	10	8	16	15	19
60	4	14	7	17	13	26	25	32
80	5	16	9	23	18	38	35	44
100	6	23	11	27	21	44	40	50

Notes:
(1) Replace '□' with grade required, e.g. 25-64-50C, PT-12-57-03
(2) Material abbreviations, 316LSS = 316L Stainless Steel
(3) Flow rates for Grade 50C rated at 99.99% against 0.01 micron
(4) Flow rates for Grade 70C rated at 95% against 0.01 micron

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