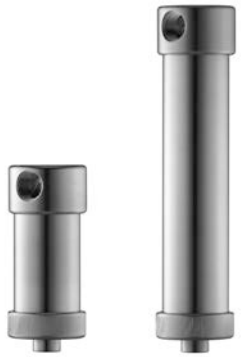
A Headline Filters Partner

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

LOW PRESSURE STAINLESS STEEL HOUSINGS

Our low-pressure stainless steel housings are ideal for gas analysis, emissions, CEM and sample process filter applications where continual monitoring is required. Although all the stainless steel housings 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
- 1/4" NPT Drain (Standard)
- Available In Hastelloy, Monel, Etc.

Applications:

- Sample Process Filtration
- Emission / Environmental Service
- Gas Analysis Protection
- Low Pressure Service

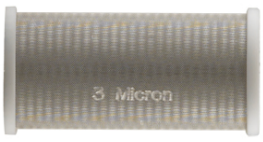
At the heart of our filter products is the filter element. Choosing the correct element insures proper results for your specific application:

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 rated 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

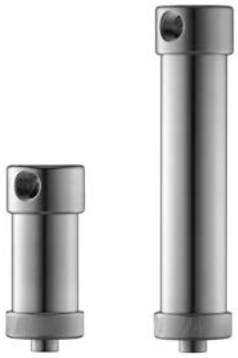
Sintered PTFE elements are used where only pure PTFE may contact the sample. They should be used in our PTFE series of housings based on the stainless steel models. Model 122P, 122PG, 130P, 130PG, 132P, 132PG, 142P
Standard microns available: 3,10, and 25.

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.

LOW PRESSURE STAINLESS STEEL HOUSINGS

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



TECHINCAL INFORMATION

Housing Model	137	138	147	148
Port Size (NPT)	1/4"	1/2"	1/4"	1/2"
Drain Type (NPT)	1/4"	1/4"	1/4"	1/4"
Maximum Pressure (psig)	150	150	150	150
Internal Volume (cc)	110	110	250	250
Maximum Temp. -Buna-N (250ºF)	BN137	BN137	BN137	BN137
Maximum Temp. -EPDM (300ºF)	GE137	GE137	GE137	GE137
Maximum Temp. -Viton (400ºF) Standard	**GV137**	**GV137**	**GV137**	**GV137**
Maximum Temp. -Silicone (450ºF)	GS137	GS137	GS137	GS137
Maximum Temp. –Encapsulated PTFE (400ºF)	GP137	GP137	GP137	GP137
Maximum Temp. -Kalrez (600ºF)	KZ137	KZ137	KZ137	KZ137
Weight of Housing (lbs)	2.5	2.5	3.5	3.5
Principle Dimensions: (inches)				
Center Of Port To Head	0.59	0.59	0.59	0.59
Head Diameter	2.20	2.20	2.20	2.20
Overall Length	5.30	5.30	9.65	9.65
Element Removal Clearance	2.76	2.76	7.28	7.28
Filter Element Codes: (1)				
Disposable Element	25-64-□	25-64-□	25-178-□	25-178-□
Stainless Steel Element	SS-25-64-□	SS-25-64-□	SS-25-178-□	SS-25-178-□
PEL Element	PEL-25-64-□	PEL-25-64-□	PEL-25-178-□	PEL-25-178-□
PTFE Element	PT-25-64-□	PT-25-64-□	PT-25-178-□	PT-25-178-□
Materials Of Construction: (2)				
Head & Internals	316LSS	316LSS	316LSS	316LSS
Bowl	316LSS	316LSS	316LSS	316LSS
O-Rings (Standard)	Viton	Viton	Viton	Viton
Accessories:				
Mounting Bracket	MBSS130	MBSS130	MBSS130	MBSS130
Support Core	SC130	SC130	SC140	SC140

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

Air Line Pressure (PSIG)	137 Series		147 Series	
	50C	70C	50C	70C
2	3	6	6	8
15	6	11	10	13
30	8	16	15	19
60	13	26	25	32
80	18	38	35	44
100	21	44	40	50
150	29	58	55	68

Notes:
(1) Replace '□' with grade required, e.g. 25-64-50C, PT-25-178-03
(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

United Filtration Systems, Inc.
6558 Diplomat Drive
Sterling Heights, MI 48314

sales@unitedfiltration.com
www.unitedfiltration.com

T. (586) 802-5561
F. (586) 802-5562
1-800-311-5561