A Headline Filters Partner

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

IN-LINE STAINLESS STEEL HOUSINGS

In-line Filter Housings are suitable for particulate removal, in systems which require long service intervals. They should not be used on coalescing applications and will not accept adsorption cartridges.

They are ideal for applications with low flow or relatively clean systems with minimum space availability. Traditionally, this In-line series is used for cylinder (bottled) gas filtration or as a last chance filter preceded by a larger pre-filter. The uniform body also makes them ideal for heated systems, since a jacket can be easily attached and heat distribution is dispersed equally to the filter element inside.

Features:

- 316L Stainless Steel Construction
- Integral Support Core
- Uniform Body – Ideal For Heating Jacket
- Ideal Last Chance Filter
- Protect Stack Gas Analyzers
- Available In Hastelloy, Monel, Etc.

Applications:

- Stack Gas Analyzer Protection
- Heated Line Filter
- Emission / Environmental

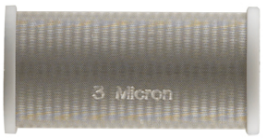
At the heart of our filter products is the filter element. Choosing the correct element insures proper results for your specific application:

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.

IN-LINE STAINLESS STEEL HOUSINGS

- Stack Gas Filter
- Particulate Only Filtration
- Ideal For Hot Service

TECHNICAL INFORMATION

Housing Model	116IL	126IL	136IL	146IL
Port Size (NPT)	1/4"	1/4"	1/2"	1/2"
Maximum Pressure (psig) (1)	5000	5000	1500	1500
Internal Volume (cc)	18	28	100	260
Maximum Temp. -Buna-N (250ºF)	BN126IL-3	BN126IL-3	BN136IL-3	BN136IL-3
Maximum Temp. -EPDM (300ºF)	GE126IL-3	GE126IL-3	GE136IL-3	GE136IL-3
Maximum Temp. -Viton (400°F) Standard	**GV126IL-3**	**GV126IL-3**	**GV136IL-3**	**GV136IL-3**
Maximum Temp. -Silicone (450ºF)	GS126IL-3	GS126IL-3	GS136IL-3	GS136IL-3
Maximum Temp. -Kalrez (600ºF)	KZ126IL-3	KZ126IL-3	KZ136IL-3	KZ136IL-3
Weight of Housings (lbs)	1.0	1.0	2.0	3.0
Principle Dimensions: (inches)				
Body Diameter	1.39	1.39	1.89	1.89
Overall Length	3.11	4.05	5.12	9.57
Element Removal Clearance	2.00	3.65	3.58	8.07
Filter Element Codes: (2)				
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: (3)				
Body & Internals	316LSS	316LSS	316LSS	316LSS
O-Rings (Standard)	Viton	Viton	Viton	Viton

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C (4) or 70C (5)

Air Line Pressure (PSIG)	116IL Series		126IL Series		136IL Series		146IL Series	
	50K	70K	50K	70K	50K	70K	50K	70K
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
100	6	23	11	27	21	44	40	50
150	9	31	15	36	29	58	55	68
250	13	47	23	56	45	89	83	106
500	25	91	44	108	87	173	163	209
1500	76	279	133	330	282	524	488	627
3000	151	557	265	659	-	-	-	-
5000	256	940	468	1118	-	-	-	-

Notes: (1) At 400°F. Above 400°F pressure ratings are reduced – consult UFS for exact rating
(2) Replace '□' with grade required, e.g. 25-64-50C, PT-25-178-03
(3) Material abbreviations, 316LSS = 316L Stainless Steel
(4) Flow rates for Grade 50K rated at 99.99% against 0.01 micron
(5) Flow rates for Grade 70K rated at 95% against 0.01 micron

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