



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

PTFE FILTER HOUSINGS

The PTFE housings are designed especially for use in high chemical resistance and low adsorption applications. They accept disposable fluorocarbon elements for coalescing and particulate service, and sintered PTFE elements for particulate filtration only. The housings come standard with Viton O-rings, however Kalrez is recommended for the best chemical resistance.

A Pyrex glass bowl version is available which allows at-a-glance monitoring of the filtration process.

The assemblies may be utilized in gaseous or liquid filtration by simply installing the appropriate element. PTFE elements are recommended for liquid service with an outside to inside flow pattern so that the integral support core provides added strength and element life can be visually monitored.

Please keep in mind that the maximum pressure is 100 PSIG and the maximum temperature is 300°F regardless of O-ring material. **We also offer exotics such as Monel, Hastelloy, Titanium and others which provide higher temperature and pressure ratings.**



Features:

- PTFE & PTFE / Pyrex Glass Construction
- Viton O-Ring Standard
- Pyrex Glass Allows Instant Monitoring
- Stainless Steel Head Band For Added Strength
- Integral Support Core

Applications:

- Corrosive Applications
- Environmental Service
- Caustic Applications

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.



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 and 25.

PTFE FILTER HOUSINGS

- Sample Conditioning Filters
- For Aggressive Service
- Use Either Microfiber, or PTFE Filter Elements



TECHNICAL INFORMATION

Housing Model	120P	122P	120PG	122PG
Port Size (NPT)	1/8"	1/4"	1/8"	1/4"
Drain Type (NPT)	1/8"	1/4"	1/8"	1/8"
Maximum Pressure (psig)	100			100
Internal Volume (cc)	33			63
Maximum Temp. -Buna-N (1)	BN120P			BN120PG
Maximum Temp. -EPDM	GE120P			GE120PG
Maximum Temp. -Viton Standard	GV120P			GV120PG
Maximum Temp. -Silicone	GS120P			GS120PG
Maximum Temp. -Kalrez	KZ120P			KZ120PG
Weight of Housing (lbs)	0.5			1.0
Principle Dimensions: (inches)				
Center Of Port To Head	0.39			0.59
Head Diameter	1.69			1.97
Overall Length	3.86			4.33
Element Removal Clearance	2.44			2.44
Filter Element Codes: (2)				
Disposable Element	12-57-□			12-57-□
PTFE Element	PT-12-57-□			PT-12-57-□
Materials Of Construction:				
Head	PTFE			PTFE
Bowl	PTFE			Pyrex
Internals	PTFE			PTFE
O-Rings (Standard)	Viton			Viton
Accessories:				
Mounting Bracket	MBSS110			MBSS110

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

Air Line Pressure (PSIG)	120P Series	
	50C	70C
2	2	4
15	3	7
30	4	10
60	7	17
80	9	23
100	11	27

- Notes: (1) PTFE housing material limits temperature to 300°F regardless of O-Ring
 (2) Replace '□' with grade required, e.g. 12-57-50C, PT-12-57-03
 (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

PTFE FILTER HOUSINGS

TECHNICAL INFORMATION

Housing Model	130P	132P	130PG	132PG	140P	142P
Port Size (NPT)	1/4"	1/2"	1/4"	1/2"	1/4"	1/2"
Drain Type (NPT)	1/4"	1/4"	1/8"	1/8"	1/4"	1/4"
Maximum Pressure (psig)	100			100		100
Internal Volume (cc)	90			155		260
Maximum Temp. -Buna-N (1)	BN130P			BN130PG		BN140P
Maximum Temp. -EPDM	GE130P			GE130PG		GE140P
Maximum Temp. -Viton Standard	GV130P			GV130PG		GV140P
Maximum Temp. -Silicone	GS130P			GS130PG		GS140P
Maximum Temp. -Kalrez	KZ130P			KZ130PG		KZ140P
Weight of Housing (lbs)	1.0			2.0		3.0
Principle Dimensions: (inches)						
Center Of Port To Head	0.59			0.59		0.59
Head Diameter	2.48			2.95		2.48
Overall Length	4.80			5.00		9.29
Element Removal Clearance	2.76			2.76		7.24
Filter Element Codes: (2)						
Disposable Element	25-64-□			25-64-□		25-178-□
PTFE Element	PT-25-64-□			PT-25-64-□		PT-25-178-□
Materials Of Construction:						
Head	PTFE			PTFE		PTFE
Bowl	PTFE			Pyrex		PTFE
Internals	PTFE			PTFE		PTFE
O-Rings (Standard)	Viton			Viton		Viton
Accessories:						
Mounting Bracket	MBSS130			MBSS130		MBSS130

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

Air Line Pressure (PSIG)	130P Series		140P Series	
	50C	70C	50C	70C
2	3	6	4	6
15	6	11	7	9
30	8	16	11	14
60	13	26	18	23
80	18	38	25	32
100	21	44	28	35

- Notes: (1) PTFE housing material limits temperature to 300°F regardless of O-Ring
(2) Replace '□' with grade required, e.g. 25-64-50C, PT-25-178-03
(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