

# PTFE FILTER HOUSINGS

## Features:

- PTFE And 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



The PTFE housings are designed specially 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.**

### PRINCIPLE SPECIFICATIONS

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"	1/4"
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	GV120P		GV120PG	
Maximum Temp. -Silicone	GS120P		GS120PG	
Maximum Temp. -Kalrez	KZ120P		KZ120PG	
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-□	
Stainless Steel Element	SS-12-57-□		SS-12-57-□	
PEL Element	PEL-12-57-□		PEL-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 <sup>(3)</sup> or 70C <sup>(4)</sup>

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



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Partner of Headline Filters

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## Applications:

- Corrosive Applications
- Environmental Service
- Caustic Applications

## PRINCIPLE SPECIFICATIONS

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	GV130P		GV130PG		GV140P	
Maximum Temp. -Silicone	GS130P		GS130PG		GS140P	
Maximum Temp. -Kalrez	KZ130P		KZ130PG		KZ140P	
Principle Dimensions: (inches)						
Center Of Port To Head	0.59		0.59		0.59	
Head Diameter	2.48		2.68		2.48	
Overall Length	4.65		5.31		9.29	
Element Removal Clearance	2.76		2.76		7.24	
Filter Element Codes: (2)						
Disposable Element	25-64-□		25-64-□		25-178-□	
Stainless Steel Element	SS-25-64-□		SS-25-64-□		SS-25-178-□	
PEL Element	PEL-25-64-□		PEL-25-64-□		PEL-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<sup>(3)</sup> or 70C<sup>(4)</sup>

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	18.5	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



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