



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

POLYPROPYLENE-POLYCARBONATE HOUSINGS

Polypropylene housings with transparent polycarbonate bowls provide an economical solution to low pressure applications where chemical resistance is sufficient. The transparent bowl allows visual monitoring of the element condition.

Each housing is available with 3 drain options; 1/8" NPT, Manual Twist Drain or No Drain. For liquid filtration we recommend using a version with no drain.



Features:

- Filter Gases And Liquids
- Polypropylene With Polycarbonate Bowl
- Polycarbonate Allows Instant Monitoring
- Low Cost, Corrosion Resistant Filter Housings
- Replaceable Elements For Low Running Costs
- No Metal Contact Surfaces

Applications:

- Point-Of-Use Water Filters
- Low Cost OEM Filters
- Medical Air Filters

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".



Sintered Polyethylene (PEL)

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

POLYPROPYLENE-POLYCARBONATE HOUSINGS

- Point-Of-Use Liquid Filter With PEL Grade Element
- Versatile – Optimize Costs
- Variety Of Filter Media To Suit Applications



TECHNICAL INFORMATION

Housing Model with Drain	710PC		710PCL		760PC		780PC	
Housing Model w/o Drain	705PC		705PCL		755PC		775PC	
Headline Part Number with Drain	701PC	710PC	721PC	730PC	751PC	760PC	771PC	780PC
Headline Part Number w/o Drain	700PC	705PC	720PC	725PC	750PC	755PC	772PC	775PC
Port Size (NPT)	1/8"	1/4"	1/8"	1/4"	1/4"	1/2"	1/4"	1/2"
Drain Type (1/8" Straight Thread)	Twist		Twist		Twist		Twist	
Maximum Pressure (psig)	100		100		100		100	
Maximum Temperature (°F)	120		120		120		120	
Internal Volume (cc)	50		60		170		310	
Weight of Housing (lbs)	0.5		0.5		0.5		0.5	
Principle Dimensions: (inches)								
Center Of Port To Head	0.39		0.39		0.61		0.61	
Head Diameter	1.73		1.73		2.60		2.60	
Overall Length Without Drain	3.78		4.41		5.75		9.76	
Overall Length With Drain	4.17		4.80		6.14		10.15	
Element Removal Clearance	1.50		2.36		3.15		7.67	
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:								
Head & Internals	Polypropylene		Polypropylene		Polypropylene		Polypropylene	
Bowl	Polycarbonate		Polycarbonate		Polycarbonate		Polycarbonate	
O-Rings (Standard)	Viton		Viton		Viton		Viton	
Drain	PP		PP		PP		PP	
Accessories:								
Mounting Bracket	MBSS110		MBSS110		MBSS130		MBSS130	
Buna-N Seal Set	BN710		BN710		BN760		BN760	
EPDM Seal Set	GE710		GE710		GE760		GE760	
Kalrez Seal Set	KZ710		KZ710		KZ760		KZ760	
Silicone Seal Set	GS710		GS710		GS760		GS760	
Viton Seal Set	GV710		GV710		GV760		GV760	

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C ⁽²⁾ or 70C ⁽³⁾

Air Line Pressure (PSIG)	710 Series		710PCL Series		760 Series		780 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. 12-32-50C, PT-12-57-03
 (2) Flow rates for Grade 50C rated at 99.99% against 0.01 micron
 (3) Flow rates for Grade 70C rated at 95% against 0.01 micron