



Plastic Filter Housings

Nylon Filter Housings

Features

- Filter Gases and Liquids
- Complete Nylon Construction
- Low Cost, Corrosion Resistant Filter Housings
- No Metal Contact Surfaces
- Replaceable Elements for Low Running Costs
- Durable, Threaded Head to Bowl

Applications

- HVAC Control Protection
- Emission / Environmental Filters
- Low Cost OEM Filters
- Point-Of-Use Instrument Air Filter

Nylon housings are an economical choice for sample systems as well as low pressure compressed air. A wide variety of filter elements are available to meet the most demanding applications. Each housing is available with two drain options; Manual Twist Drain or No Drain. For liquid filtration we recommend using a version with no drain.



Model with Twist Drain	701N	710N	721N	730N	751N	760N	771N	780N
Model w/o Drain	700N	705N	720N	725N	750N	755N	772N	775N
Port Size (NPT)	1/8"	1/4"	1/8"	1/4"	1/4"	1/2"	1/4"	1/2"
Maximum Pressure (psig)	100	100	100	100	150	150	150	150
Internal Volume (cc)	40	40	52	52	150	150	290	290
Weight of Housing (lbs)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Principle Dimensions: (inches)								
Center Of Port To Head	0.39	0.39	0.39	0.39	0.61	0.61	0.61	0.61
Head Diameter	1.73	1.73	1.73	1.73	2.72	2.72	2.72	2.72
Overall Length Without Drain	3.78	3.78	4.41	4.41	5.86	5.86	9.92	9.92
Overall Length With Drain	4.25	4.25	4.92	4.92	6.34	6.34	10.35	10.35
Element Removal Clearance	1.50	1.50	2.01	2.01	3.07	3.07	7.21	7.21
Maximum Temperature (120°F) Standard Viton O-Ring	GV710	GV710	GV710	GV710	GV760	GV760	GV760	GV760
Filter Element Codes (1): Coalescing Element (Standard) **Other Elements Available- View Drawing**	12-32-□	12-32-□	12-57-□	12-57-□	25-64-□	25-64-□	25-178-□	25-178-□
Drawing **For More Detail & Options**	<u>701N</u> <u>700N</u>	<u>710N</u> <u>705N</u>	<u>721N</u> <u>720N</u>	<u>730N</u> <u>725N</u>	<u>751N</u> <u>750N</u>	<u>760N</u> <u>755N</u>	<u>771N</u> <u>772N</u>	<u>780N</u> <u>775N</u>

Notes: (1) Replace '□' with grade required, e.g. 12-32-50C

Nylon Emission Filter Housings

Features

- Filter Emission Gases
- Low Cost, Corrosion Resistant Filter Housings
- Complete Nylon Construction, No Metal Contact Surfaces
- Replaceable Elements For Low Running Costs
- Durable, Threaded Head to Bowl Connection
- Accepts Disposable Microfiber Elements

Applications

- Engine Emission Testing
- Portable Analyzer Protection
- Ideal Dual Stage Compressed Air Filter

The 770 series is specifically designed for gasoline engine analysis with a coalescing pre-filter and particulate final filter in one housing. The assemblies are designed so that the inlet, outlet and drain connections do not need to be broken in order to service the elements. The 770 series replaces the usual two housing set-up, thus, shortening lag time, allowing fewer connections, easier maintenance, and reducing cost. However, if a two housing set up is still required, we do offer the traditional all nylon "T" type housing. See "Plastic Filter Housings".



The 707 & 778N requires one coalescing element and one particulate element.

The 745N (1/4) and 746N (1/2) are single element assemblies which accept an industry standard size and grade of element to ensure they are completely interchangeable. These housings are ideal for portable emission systems since they have a small footprint and low internal volume (108cc). Based on the 750N design (see first page) the short bowl 745N/746N are mounted in the traditional T-type format.

Housing Model	745N	746N	707	778N
Port Size (NPT)	1/4"	1/2"	1/4"	1/4"
Drain (NPT)	No Drain	No Drain	1/8"	1/8"
Maximum Pressure (psig)	100	100	100	100
Internal Volume (cc)	108	108	60	115
Principle Dimensions: (inches)				
Port to Top of Head	0.61	0.61	0.59	0.59
Head Diameter	2.72	2.72	1.73	2.36
Overall Length	4.75	4.75	3.54	4.53
Element Removal Clearance	3.07	3.07	2.36	2.75
Maximum Temperature (120°F) Standard Viton O-Ring	GV745	GV745	GV707	GV778N
Filter Element Codes: Coalescing / Particulate Element (One of Each) *Other Elements Available- View Drawing*	25-64-□	25-64-□	12-25-80C / 12-32-60K	25-35-80C / 25-30-60K
Drawing **For More Detail & Options**	745N	746N	707	778N

Polypropylene Filter Housing with Polycarbonate Bowls

Features

- Filter Gases and Liquids
- Polypropylene with Polycarbonate Bowl
- Polycarbonate Allows for 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
- C.I.P.

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 two drain options; Manual Twist Drain or No Drain. For liquid filtration we recommend using a version with no drain.



Model with Twist Drain	701PC	710PC	721PC	730PC	751PC	760PC	771PC	780PC
Model 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"
Maximum Pressure (psig)	100	100	100	100	100	100	100	100
Internal Volume (cc)	40	40	52	52	150	150	290	290
Weight of Housing (lbs)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Principle Dimensions: (inches)								
Center Of Port To Head	0.39	0.39	0.39	0.39	0.61	0.61	0.61	0.61
Head Diameter	1.73	1.73	1.73	1.73	2.72	2.72	2.72	2.72
Overall Length Without Drain	3.78	3.78	4.41	4.41	5.86	5.86	9.92	9.92
Overall Length With Drain	4.25	4.25	4.92	4.92	6.34	6.34	10.35	10.35
Element Removal Clearance	1.50	1.50	2.01	2.01	3.07	3.07	7.21	7.21
Maximum Temperature (120°F)								
Standard Viton O-Ring	GV710	GV710	GV710	GV710	GV760	GV760	GV760	GV760
Filter Element Codes (1):								
Coalescing Element (Standard)	12-32-□	12-32-□	12-57-□	12-57-□	25-64-□	25-64-□	25-178-□	25-178-□
Other Elements Available- View Drawing								
Drawing	701PC	710PC	721PC	730PC	751PC	760PC	771PC	780PC
For More Detail & Options	700PC	705PC	720PC	725PC	750PC	755PC	772PC	775PC

Notes: (1) Replace '□' with grade required, e.g. 12-32-50C

Polypropylene Filter Housings

Features

- Filter Gases and Liquids
- Low Cost, Corrosion Resistant Filter Housings
- No Metal Contact Surfaces
- Replaceable Elements for Low Running Costs
- Built-In Element Support

Applications

- C.I.P. for Food and Dairy Plant
- Corrosive Applications
- Low Cost OEM Filters
- Medical / Pharmaceutical

Polypropylene housings provide a low cost alternative to PTFE and PVDF housings. Since the housings are constructed entirely out of polypropylene they are suitable for a wide range of applications for both liquids and gases. Each housing is available with two drain options; Manual Twist Drain or No Drain. For liquid filtration we recommend using a version with no drain.



Model with Twist Drain	701P	710P	721P	730P	751P	760P	771P	780P
Model w/o Drain	700P	705P	720P	725P	750P	755P	772P	775P
Port Size (NPT)	1/8"	1/4"	1/8"	1/4"	1/4"	1/2"	1/4"	1/2"
Maximum Pressure (psig)	100	100	100	100	100	100	100	100
Internal Volume (cc)	40	40	52	52	150	150	290	290
Weight of Housing (lbs)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Principle Dimensions: (inches)								
Center Of Port To Head	0.39	0.39	0.39	0.39	0.61	0.61	0.61	0.61
Head Diameter	1.73	1.73	1.73	1.73	2.72	2.72	2.72	2.72
Overall Length Without Drain	3.78	3.78	4.41	4.41	5.86	5.86	9.92	9.92
Overall Length With Drain	4.25	4.25	4.92	4.92	6.34	6.34	10.35	10.35
Element Removal Clearance	1.50	1.50	2.01	2.01	3.07	3.07	7.21	7.21
Maximum Temperature (120°F) Standard Viton O-Ring	GV710	GV710	GV710	GV710	GV760	GV760	GV760	GV760
Filter Element Codes (1): Coalescing Element (Standard) **Other Elements Available— View Drawing**	12-32-□	12-32-□	12-57-□	12-57-□	25-64-□	25-64-□	25-178-□	25-178-□
Drawing **For More Detail & Options**	701P 700P	710P 705P	721P 720P	730P 725P	751P 750P	760P 755P	771P 772P	780P 775P

Notes: (1) Replace '□' with grade required, e.g. 12-32-50C, PT-12-57-03

Kynar Filter Housings

Features

- Filter Gases and Liquids
- Complete Kynar Construction
- Low Cost, Corrosion Resistant Filter Housings
- No Metal Contact Surfaces
- Replaceable Elements for Low Running Costs
- Durable, Threaded Head to Bowl

Applications

- Corrosive Environment Filter
- Low Cost PTFE Alternative Filters
- Chlorine Filtration

PVDF (Kynar) housings are an economical solution for corrosive applications. Since the housings are constructed entirely out of Kynar, they are suitable for a wide range of liquid and gas applications. Each housing is available with two drain options: Manual Twist Drain or No Drain. For liquid filtration, we recommend using a version with no drain.



Model with Twist Drain	701K	710K	721K	730K	751K	760K
Model w/o Drain	700K	705K	720K	725K	750K	755K
Port Size (NPT)	1/8"	1/4"	1/8"	1/4"	1/4"	1/2"
Maximum Pressure (psig)	100	100	100	100	100	100
Internal Volume (cc)	40	40	52	52	150	150
Weight of Housing (lbs)	0.5	0.5	0.5	0.5	0.5	0.5
Principle Dimensions: (inches)						
Center Of Port To Head	0.39	0.39	0.39	0.39	0.61	0.61
Head Diameter	1.73	1.73	1.73	1.73	2.72	2.72
Overall Length Without Drain	3.78	3.78	4.41	4.41	5.86	5.86
Overall Length With Drain	4.25	4.25	4.92	4.92	6.34	6.34
Element Removal Clearance	1.50	1.50	2.01	2.01	3.07	3.07
Maximum Temperature (120°F) Standard Viton O-Ring	GV710	GV710	GV710	GV710	GV760	GV760
Filter Element Codes (1): Coalescing Element (Standard) **Other Elements Available-- View Drawing**	12-32-□	12-32-□	12-57-□	12-57-□	25-64-□	25-64-□
Drawing **For More Detail & Options**	<u>701K</u> <u>700K</u>	<u>710K</u> <u>705K</u>	<u>721K</u> <u>720K</u>	<u>730K</u> <u>725K</u>	<u>751K</u> <u>750K</u>	<u>760K</u> <u>755K</u>

Notes: (1) Replace '□' with grade required, e.g. 12-32-50C, PT-12-57-03

