



# Nylon Filter Housings

## PRODUCT FEATURES / BENEFITS

- ◆ Filter Gases and Liquids
- ◆ Complete Nylon Construction
- ◆ Low Cost, Corrosion Resistant Filter Housings
- ◆ No Metal Contact Surfaces
- ◆ Replaceable Elements for Low Running Costs
- ◆ Emission / Environmental Filters
- ◆ Low Cost OEM Filters
- ◆ Point-Of-Use Instrument Air Filter

Nylon Housings provides an economical solution for both sample systems and low-pressure compressed air applications. Their durability, reliable performance, and price point the 700 series nylon filters offer an ideal OEM filtration solution. A wide selection of filter elements is available to accommodate even the most demanding requirements.

Each housing can be configured with two drain options:

- Manual Twist Drain
- No Drain (recommended for liquid filtration)



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	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) <b>**Other Elements Available- View Drawing**</b>	12-32-□	12-32-□	12-57-□	12-57-□	25-64-□	25-64-□	25-178-□	25-178-□
<b>Drawing</b> <b>**For More Detail &amp; Options**</b>	<b><u>701N</u></b> <b><u>700N</u></b>	<b><u>710N</u></b> <b><u>705N</u></b>	<b><u>721N</u></b> <b><u>720N</u></b>	<b><u>730N</u></b> <b><u>725N</u></b>	<b><u>751N</u></b> <b><u>750N</u></b>	<b><u>760N</u></b> <b><u>755N</u></b>	<b><u>771N</u></b> <b><u>772N</u></b>	<b><u>780N</u></b> <b><u>775N</u></b>

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

# Nylon Emission Filter Housings

## PRODUCT FEATURES / BENEFITS

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

Our OEM Nylon Emission filters are specifically designed for gasoline engine analysis. We offer a traditional T-Type design or our unique inverted configuration.

The 745N (1/4") and 746N (1/2") are single-element assemblies designed to accept industry-standard element sizes and grades, ensuring complete interchangeability. With their compact footprint and low internal volume (108 cc), these housings are particularly well suited for portable emission systems. Based on the 750N design (see first page), the short-bowl 745N and 746N are mounted in the traditional T-type format.

The 707N and 778N utilize our unique inverted 2 stage element design within one housing. Eliminating the need to break a connection for service or draining liquids. A secondary benefit is the unit having two elements, a coalescing pre-filter and particulate final filter. This minimizes internal volume and less leak pints since only one body is utilized.



Housing Model	745N	746N	707N	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) <b>*Other Elements Available- View Drawing*</b>	25-64-□	25-64-□	12-25-80C / 12-32-60K	25-35-80C / 25-30-60K
<b>Drawing</b> **For More Detail & Options**	<b>745N</b>	<b>746N</b>	<b>707N</b>	<b>778N</b>