



Brass Filter Housings

PRODUCT FEATURES / BENEFITS

- ◆ Brass with Nylon Internals for Air Service
- ◆ One Piece Bowl for Easy Service
- ◆ 500 PSIG Rated – Higher Pressures Available
- ◆ Off-Shore Instrumentation Service
- ◆ Oxygen Service – All Brass with Bronze Element
- ◆ All Brass Internals with "OS" Models

For air service, Headline Filters brass filter housings are precision-machined from solid brass bar stock, with durable nylon internals and a Viton seal. They are ideal for point-of-use instrument air filtration and are available in the **B360 series**, which comes equipped with our high-flow 80C grade coalescing filter element. This element is engineered for heavily saturated air systems, efficiently removing large volumes of liquid while providing long service life for particulate filtration.

For oxygen service or enhanced chemical compatibility, we recommend our **OS series**, which replaces nylon internals with brass. When ordered for oxygen service, housings must be properly cleaned to remove hazardous grease and contaminants. We offer this service upon request by specifying "**oxygen cleaning**" at the time of order. This process is performed in accordance with **ASTM G93**, ensuring housings are free of harmful residues and reassembled using **Krytox 205 lubricant** for safe, reliable performance.

Our T-Type filters are ideal for oxygen. They capture contaminants to ensure a clean system and help prevent oxygen fire ignition. This design also provides easy element replacement without disconnecting the filter housing.

We offer No Drain Port options for one less leak point, designated with an "ND" suffix. Example: B365ND-OS.



For oxygen service we offer oxygen compatible sintered Bronze element.



Sintered bronze filter elements are particularly well suited for oxygen service because bronze exhibits greater resistance to ignition than metals such as aluminum or stainless steel. Manufactured from spherical bronze powder, these elements provide effective contamination control while maintaining ignition resistance, making them a safe and dependable choice for gaseous and breathing air systems.

The porous metal construction gives these elements exceptional mechanical strength while forming a capillary-like network of interconnecting pores throughout the structure. This unique design enables both surface and depth filtration performance with high strength and consistent porosity.

We can manufacture filter housings in Brass in any size.
The following charts list the most common sizes.

Housing Model	B122-OS	940-B315L	B360-1/4"	B365-1/2"
Port Size (NPT)	1/4"	1/4"	1/4"	1/2"
Drain (NPT)	1/4"	Petcock	Petcock	Petcock
Maximum Pressure (psig)	3500	500	500	500
Internal Volume (cc)	30	45	140	140
Weight of Housing (lbs)	1.0	1.0	2.1	2.1
Principle Dimensions: (inch)				
Center Of Port To Head	0.39	0.39	0.37	0.536
Head Diameter	1.42	1.57	2.22	2.328
Overall Length	3.98	4.65	6.22	6.57
Element Removal Clearance	2.36	2.01	2.74	2.74
Maximum Temp. (400°F) Standard Viton O-Ring	GV110	GV315	GVB360	GVB360
Filter Element Codes: Standard Element (Included) *Other Elements Available-View Drawing	12-57-80C	PEL-12-57-01	25-64-80C	25-64-80C
Drawing (Nylon Internals) **For More Detail & Options**	N/A	940-B315L	<u>B360</u>	<u>B365</u>
Drawing (Brass Internals) **For More Detail & Options**	<u>B122-OS</u>	N/A	<u>B360-OS</u>	<u>B365-OS</u>

Housing Model	B370-3/4"	B370-1"	B150
Port Size (NPT)	3/4"	1"	1"
Drain (NPT)	Petcock	Petcock	Petcock
Maximum Pressure (psig)	500	500	500
Internal Volume (cc)	315	315	1350
Weight of Housing (lbs)	5.5	5.5	22.0
Principle Dimensions: (inch)			
Center Of Port To Head	0.84	0.84	1.18
Head Diameter	2.92	2.92	4.33
Overall Length	10.63	10.63	15.04
Element Removal Clearance	9.25	9.25	9.72
Maximum Temp. (400°F) Standard Viton O-Ring	GVB370	GVB370	GV150
Filter Element Codes: Standard Element (Included) *Other Elements Available-View Drawing	25-178-80C	25-178-80C	51-230-80C
Drawing (Nylon Internals) **For More Detail & Options**	<u>B370-3/4"</u>	<u>B370-1"</u>	<u>B150</u>
Drawing (Brass Internals) **For More Detail & Options**	<u>B370-OS-3/4"</u>	<u>B370-OS-1"</u>	N/A