

ORIFICES

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Orifice Products distributed by Pneuline Supply, Inc. are products that restrict the flow of liquids, air, or gas. These items are made of various materials including Brass, Aluminum, 304 Stainless Steel, Sapphire, Polysulfone, or Polycarbonate. Pressure ratings are 125 psi for plastic to 2000 psi for Brass. Sizes range from .0039 inches to .125 with thread variations of 10-32 to 1/2 NPT.



METAL ORIFICES

Discover the Perfect Orifice Solution at Pneuline Supply—Request Your Quote Today!

ISR SERIES



The ISR Series is a Brass Thread Insert. For sizes visit the **Orifice Sizing Chart**.

SKU	Description
10-32	.375 3/32 recessed hex
1/4-28	.375 1/8 recessed hex

FAOH SERIES



The FAOH Series is a Flat Tip Hex Metal Orifice.

For sizing reference the **Orifice Sizing Chart**



MHO SERIES

The MHO Series is a brass or 303 Stainless Steel Hex Nipple Orifice with 1/8”, 1/4", or 3/8” male NPT threads. Brass orifice sizes are 4-125, Stainless are 6-125. They are available with a filter.

For sizing reference the **Orifice Sizing Chart**



SHO SERIES

The Sapphire Orifice in a Nylon sleeve is housed in a Brass 10-32 male UNF to a 1/16” barb fitting. The seal is Viton®. Nickel-plated Brass is also available. For sizing reference the **Orifice Sizing Chart**



DMO SERIES

DMO series is a brass or 303 Stainless Steel Orifice with a 10-32 male UNF thread by a 1/16” or 1/8” Barb. Brass orifice sizes 4-35, Stainless 6-35.

For sizing reference the **Orifice Sizing Chart**.



RAO SERIES

The RAO Series is a Round Head NPT.

For sizing reference the **Orifice Sizing Chart**

USO SERIES



USO Series is a Brass Bleed Plug with a Sapphire Orifice. It has 10-32 male UNF threads and a Viton® seal. Standard orifice sizes range from .004” to .035”. For sizing reference the ***Orifice Sizing Chart***

UMO SERIES



UMO Series is a 10-32 male UNF Bleed Plug of Brass or 303 Stainless Steel. Orifice sizes for the Brass are 4-35 for Stainless Steel they are 6-35. O-rings are FKM. These fittings are available with a filter on the top. For sizing reference the ***Orifice Sizing Chart***

TBB SERIES



TBB Series is a high-quality brass tube-to-tube connector with a sapphire orifice, designed for durability and reliability in various applications. This connector features a precision-engineered sapphire orifice, which ensures optimal flow control and resistance to wear. The connector is equipped with 1/16-inch barbs, providing a secure and leak-free connection for tubing. Its robust construction and superior materials make it an excellent choice for both labratory and industrial use.

SHN SERIES



This product features a robust housing made from either high-quality brass or 303 stainless steels, ensuring durability and resistance to corrosion. It incorporates a synthetic sapphire orifice, which is encased in a nylon sleeve for added protection and longevity. The male NPT threads are precisely machined to a 1/8-inch size, providing a secure and reliable connection. Additionally, this product is available with an optional filter, enhancing its versatility and functionality for various applications.

AMO SERIES



AMO Series are Brass or 303 Stainless Steel adapter orifices available with 10-32 UNF, 1/8”, 1/4", 3/8", or 1/2” National Pipe Threads. Also, orifice sizes are .004-.125 MM, Stainless are .004-.125 MM. Used for Air, Water Gas applications up to 100 PSI. Furthermore, they are used for Speed control for cylinders and actuators. Orifices are Bi-directional flow with predictable flow rates.

BOE SERIES

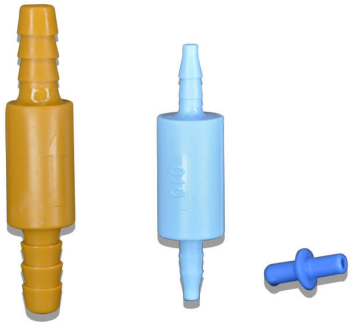


BOE Series features a high-quality Brass 1/8 NPT Adapter, specifically designed for reliable performance in various applications. The model BOE-2M has a precise length of 15/16 inches, ensuring a secure and efficient connection. This adapter is crafted from durable brass, providing excellent resistance to corrosion and wear, making it ideal for both residential and industrial use.



PLASTIC ORIFICES

Reliable. Lightweight. Cost-effective. Discover why our precision plastic orifices are trusted in flow-critical systems across industries—request your quote today!



IRT SERIES

Our series of IRT and IRT-S orifices are made of FDA Polycarbonate resin. 2 barb sizes and 1 non barbed sizes are available; 1/16 (5/64 inch) straight shaft; IRT-S, a 1/16 barbed and a 1/8 barbed orifice IRT 1B and 2B. The operating pressure is 100 psi with a repeatable flow of 3% plus or minus. 1/16 and 1/8 barbs have a stainless pre-filter to protect the orifice.Available in seventeen different color-coded orifice sizes as follows: .003 is Gold, .004 is Purple, .005 is White, .007 is Yellow, .008 is Light Green, .009 is Lavender, .010 is Light Blue, .012 is Dark Green, .014 is Orange, .016 is Gray, .017 is Brown, .019 is Red, .020 is Dark Blue, .025 is Black, .030 is Beige, .035 is Dark Gray, and .040 is Teal. Used to slow down air flow in applications in medical devices.

SKU	Description
IRT-S-003	1/16 inch .003 Gold Polycarbonate - No Filter Orifice
IRT-S-004	1/16 inch .004 Purple Polycarbonate - No Filter Orifice
IRT-S-005	1/16 inch .005 White Polycarbonate - No Filter Orifice
IRT-S-007	1/16 inch .007 Yellow Polycarbonate - No Filter Orifice
IRT-S-008	1/16 inch .008 Light Green Polycarbonate - No Filter Orifice
IRT-S-009	1/16 inch .009 Lavender Polycarbonate - No Filter Orifice
IRT-S-010	1/16 inch .010 Light Blue Polycarbonate - No Filter Orifice
IRT-S-012	1/16 inch .012 Dark Green Polycarbonate - No Filter Orifice
IRT-S-014	1/16 inch .014 Orange Polycarbonate - No Filter Orifice
IRT-S-016	1/16 inch .016 Gray Polycarbonate - No Filter Orifice
IRT-S-017	1/16 inch .017 Brown Polycarbonate - No Filter Orifice
IRT-S-019	1/16 inch .019 Red Polycarbonate - No Filter Orifice
IRT-S-020	1/16 inch .020 Dark Blue Polycarbonate - No Filter Orifice
IRT-S-025	1/16 inch .025 Black Polycarbonate - No Filter Orifice
IRT-S-030	1/16 inch .030 Beige Polycarbonate - No Filter Orifice
IRT-S-035	1/16 inch .035 Dark Gray Polycarbonate - No Filter Orifice
IRT-S-040	1/16 inch .040 Teal Polycarbonate - No Filter Orifice
IRT-1B-003	1/16 Barb .003 Polycarbonate 5 Micron Filter Gold Orifice
IRT-1B-004	1/16 Barb .004 Polycarbonate 5 Micron Filter Purple Orifice
IRT-1B-004-NF	1/16 Barb .004 Polycarbonate No Filter Purple Orifice
IRT-1B-005	1/16 Barb .005 Polycarbonate 5 Micron Filter White Orifice
IRT-1B-007	1/16 Barb .007 Polycarbonate 5 Micron Filter Yellow Orifice
IRT-1B-008	1/16 Barb .008 Polycarbonate 5 Micron Filter Lt Green Orifice
IRT-1B-009	1/16 Barb .009 Polycarbonate 5 Micron Filter Lavender Orifice
IRT-1B-010	1/16 Barb .010 Polycarbonate 100 Micron Filter Lt Blue Orifice
IRT-1B-012	1/16 Barb .012 Polycarbonate 100 Micron Filter Green Orifice
IRT-1B-014	1/16 Barb .014 Polycarbonate 100 Micron Filter Orange Orifice
IRT-1B-016	1/16 Barb .016 Polycarbonate 100 Micron Filter Gray Orifice

SKU	Description
IRT-1B-017	1/16 Barb .017 Polycarbonate 100 Micron Filter Brown Orifice
IRT-1B-019	1/16 Barb .019 Polycarbonate 100 Micron Filter Red Orifice
IRT-1B-020	1/16 Barb .020 Polycarbonate 100 Micron Filter Dk Blue Orifice
IRT-1B-025	1/16 Barb .025 Polycarbonate 100 Micron Filter Black Orifice
IRT-1B-030	1/16 Barb .030 Polycarbonate 100 Micron Filter Beige Orifice
IRT-1B-035	1/16 Barb .035 Polycarbonate 100 Micron Filter Dk Gray Orifice
IRT-1B-040	1/16 Barb .040 Polycarbonate 100 Micron Filter Teal Orifice
IRT-2B-003	1/8 Barb .003 Polycarbonate 5 Micron Filter Gold Orifice
IRT-2B-004	1/8 Barb .004 Polycarbonate 5 Micron Filter Purple Orifice
IRT-2B-005	1/8 Barb .005 Polycarbonate 5 Micron Filter White Orifice
IRT-2B-007	1/8 Barb .007 Polycarbonate 5 Micron Filter Yellow Orifice
IRT-2B-008	1/8 Barb .008 Polycarbonate 5 Micron Filter Lt Green Orifice
IRT-2B-009	1/8 Barb .009 Polycarbonate 5 Micron Filter Lavender Orifice
IRT-2B-010	1/8 Barb .010 Polycarbonate 100 Micron Filter Lt Blue Orifice
IRT-2B-012	1/8 Barb .012 Polycarbonate 100 Micron Filter Green Orifice
IRT-2B-014	1/8 Barb .014 Polycarbonate 100 Micron Filter Orange Orifice
IRT-2B-016	1/8 Barb .016 Polycarbonate 100 Micron Filter Gray Orifice
IRT-2B-017	1/8 Barb .017 Polycarbonate 100 Micron Filter Brown Orifice
IRT-2B-019	1/8 Barb .019 Polycarbonate 100 Micron Filter Red Orifice
IRT-2B-020	1/8 Barb .020 Polycarbonate 100 Micron Filter Dk Blue Orifice
IRT-2B-025	1/8 Barb .025 Polycarbonate 100 Micron Filter Black Orifice
IRT-2B-030	1/8 Barb .030 Polycarbonate 100 Micron Filter Beige Orifice
IRT-2B-035	1/8 Barb .035 Polycarbonate 100 Micron Filter Dk Gray Orifice
IRT-2B-040	1/8 Barb .040 Polycarbonate 100 Micron Filter Teal Orifice



AO-IG SERIES

AO-IG Series is a thread-to-barb fitting made of FDA-approved Polysufone with an integral precision orifice. The threads are 10-32 inch male UNF threads and the barbs are either 1/8 inch or 1/16 inch. The maximum operating pressure is 100 psi.

SKU	Description
AO-IG-10X1B-004	10-32 inch Male UNF by 1/16 inch, .004 Polysulfone Adapter Orifice
AO-IG-10X1B-005	10-32 inch Male UNF by 1/16 inch, .005 Polysulfone Adapter Orifice
AO-IG-10X1B-006	10-32 inch Male UNF by 1/16 inch, .006 Polysulfone Adapter Orifice
AO-IG-10X1B-007	10-32 inch Male UNF by 1/16 inch, .007 Polysulfone Adapter Orifice

SKU	Description
AO-IG-10X1B-010	10-32 inch Male UNF by 1/16 inch, .010 Polysulfone Adapter Orifice
AO-IG-10X1B-012	10-32 inch Male UNF by 1/16 inch, .012 Polysulfone Adapter Orifice
AO-IG-10X1B-016	10-32 inch Male UNF by 1/16 inch, .016 Polysulfone Adapter Orifice
AO-IG-10X1B-020	10-32 inch Male UNF by 1/16 inch, .020 Polysulfone Adapter Orifice
AO-IG-10X1B-025	10-32 inch Male UNF by 1/16 inch, .025 Polysulfone Adapter Orifice
AO-IG-10X1B-030	10-32 inch Male UNF by 1/16 inch, .030 Polysulfone Adapter Orifice
AO-IG-10X1B-040	10-32 inch Male UNF by 1/16 inch, .040 Polysulfone Adapter Orifice
AO-IG-10X2B-004	10-32 inch Male UNF by 1/8 inch, .004 Polysulfone Adapter Orifice
AO-IG-10X2B-005	10-32 inch Male UNF by 1/8 inch, .005 Polysulfone Adapter Orifice
AO-IG-10X2B-006	10-32 inch Male UNF by 1/8 inch, .006 Polysulfone Adapter Orifice
AO-IG-10X2B-007	10-32 inch Male UNF by 1/8 inch, .007 Polysulfone Adapter Orifice
AO-IG-10X2B-010	10-32 inch Male UNF by 1/8 inch, .010 Polysulfone Adapter Orifice
AO-IG-10X2B-012	10-32 inch Male UNF by 1/8 inch, .012 Polysulfone Adapter Orifice
AO-IG-10X2B-016	10-32 inch Male UNF by 1/8 inch, .016 Polysulfone Adapter Orifice
AO-IG-10X2B-020	10-32 inch Male UNF by 1/8 inch, .020 Polysulfone Adapter Orifice
AO-IG-10X2B-025	10-32 inch Male UNF by 1/8 inch, .025 Polysulfone Adapter Orifice
AO-IG-10X2B-030	10-32 inch Male UNF by 1/8 inch, .030 Polysulfone Adapter Orifice
AO-IG-10X2B-040	10-32 inch Male UNF by 1/8 inch, .040 Polysulfone Adapter Orifice

NSS SERIES- ORIFICE



Synthetic Sapphire Orifice pressed in a Nylon housing of .125” or .134” OD. The standard orifice size is .0012” to .0252” diameter.