



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

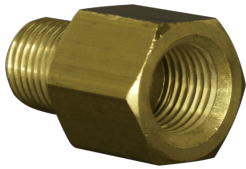
METAL ORIFICES

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



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.



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.

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.

TBB SERIES



TBB Series is a high-quality brass tube-to-tube connector, 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 residential and industrial use.

UMO SERIES



The 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***](#)

USO SERIES



The 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***](#)

RAO SERIES



The RAO Series is a Round Head NPT.

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](#).



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](#)



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](#)

FAOH SERIES



The FAOH Series is a Flat Tip Hex Metal Orifice.

For sizing reference the [Orifice Sizing Chart](#)

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 |



PLASTIC ORIFICES

PLASTIC ORIFICES

Discover Precision Plastic Orifices at Pneuline Supply—Request Your Quote Today!

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.

AO-IG SERIES



The AO-IG Series is a thread-to-barb fitting made of FDA-approved Polysulfone 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 |
| 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 |

| SKU | Description |
|-----------------|--|
| 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 |



IRT 2B



IRT 1B



IRT-S

IRT SERIES

These IRT and IRT-S orifices are made of FDA Polycarbonate. 3 sizes are available; 1/16 (5/64 inch) straight shaft, a 1/16 barbed and a 1/8 barbed orifice. The operating pressure is 100 psi with a repeatable flow of 3% plus or minus. 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.

| 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 |

| SKU | Description |
|---------------|--|
| 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 |
| 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 |

