

Custom 1/4" 5075 psi Oxygen Service Hose & Hose Ends

SKU: R8-O2-CUSTOM

Price: ?0.00



Description

Special precautions must be taken when flowing high-pressure oxygen:

- Maximum recommended hose length for oxygen service is 6.5 feet (2 m).
- A needle valve must be used to limit the speed of oxygen flow through the hose for lengths over 6 feet (1.8 m).
- Flow rate should never exceed 300 psi/min.
- When brass hose ends are used, maximum working pressure for assembly is 3000 psi (207 bar).

How to Order Your Custom Hose & Installed Hose Ends

1. Click the black CUSTOMIZE AND ADD TO CART button above.
2. Select the length of your R8-O2 hose. Enter the length (in feet) in the "Qty" (quantity) window. For instance, if you need a 3-foot-long hose, enter "3" in the "Qty" box. Metric conversion: 1 foot = 30.48 cm.
3. Select the first hose end in the "Hose End #1" dropdown box. Only one hose end can be selected. You can also choose to have no hose end installed.
4. Select the second hose end in the "Hose End #2" dropdown box. Only one hose end can be selected. You can also choose to have no hose end installed.
5. Click "Add to Cart" Button. The total price will display in the Shopping Cart.
6. If the hose order needs to be edited, click "Edit" (pencil) icon in the Shopping Cart.
7. You can order multiple quantities of the same hose length and hose ends or revisit this page to order a new hose length/hose end combination.

Hose Specifications

To order R8-O2 hose without hose ends, see [SKU R8-O2](#).

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|---------------------------------|--|
| SKU | R8-O2 |
| Hose I.D. | 1/4" 6.4 mm 6 DN |
| Maximum O.D. | 11.8 mm |
| Minimum Bend Radius | 50 mm |
| Weight | 85 g/m |
| Material Description | Inner core in thermoplastic polyester, high toughness textile fiber and exterior covering in anti-abrasion polyurethane, stabilized against UV rays and microorganisms-resistant, micro perforated for the conduction of air and compatible gases. |
| Specifications | Hose meets or exceeds SAE J517 Standard sect. SAE 100R8 - ISO 3949 Standard |
| Maximum Working Pressure | 5075 psi (350 bar) |
| Working Temperature | -40°F to +212°F (-40°C to +100°C) Maximum working temperature of air, water, and water-based fluids: +158°F (+70°C) |
| Minimum Burst Pressure | 4x Working Pressure |
| Vacuum Rating | 0.93 bar (700 mm Hg) |

Hose End Choices

[SKU 10655-4-4B-O2](#)

Brass #4 JIC Female Swivel x 1/4 Hose End for Oxygen Service (3000 psi max)

SKU 10655-4-4B-O2 Hose I.D. = 1/4

Style = Female JIC 37° - Swivel - Straight

Maximum pressure = 3000 psi (207 bar)

[SKU SS-TP4-AS4-O2](#)

Stainless #4 JIC Female Swivel x 1/4 Thermoplastic Hose End for Oxygen Service

SKU SS-TP4-AS4-O2

Hose I.D. = 1/4

Style = Female JIC (AN) 37° - Swivel - Straight

[SKU SS-TP4-PM4-O2](#)

Stainless 1/4 Male NPT Rigid x 1/4 Thermoplastic Hose End for Oxygen Service

SKU SS-TP4-PM4-O2

Hose I.D. = 1/4

Style = Rigid Male NPT

[SKU SS-TP4-TA4-O2](#)

SKU SS-TP4-TA4-O2 **Stainless 1/4 Rigid Tube Adapter x 1/4 Thermoplastic Hose End for Oxygen Service**

Hose I.D. = 1/4

Style = 1/4 Tube Adapter

SKU NO-END

SKU NO-END **No Hose End Installed**

Select this option if you do not want a hose end installed on Hose End #1 and/or Hose End #2. If chosen, the selected hose end/s will ship bare.

PLEASE NOTE: Custom cut hose and hose ends are special order items and are not returnable and are non-refundable. For additional information see our [RETURNS POLICY](#). For assistance with ordering custom hose and hose ends, or if your application requires "fractional foot" ordering (hose lengths that are not in one-foot increments, i.e. 14-foot, 7-inch hose length), please [contact the Nuvair sales team](#).