

# SG6450, SG6460 Series

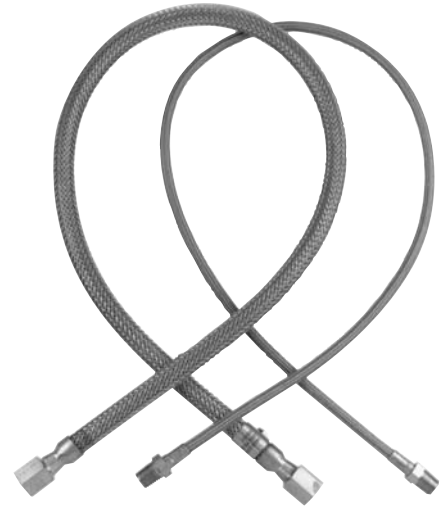
## Flexible Hoses

Flexible hoses are used to transfer compressed and liquefied gases. They are available in various lengths, in either all stainless steel construction or stainless steel lined with Teflon®.

The SG6450 Series, all stainless steel hoses feature a double overbraid and have end fittings Heliarc welded to both the corrugated liner and the overbraid. The SG6460 Series, Teflon® lined versions have a single stainless steel overbraid with end fittings that are swaged to the liner and overbraid.

For applications which require constant handling and flexing, our SG6450-A Series with armor casing provides protection from kinking, braid abrasion or stress at the ends. Also, the armor casing provides an added measure of protection for operators, exhibiting a smooth surface for handling and the capability to support a 600 lb. load under tension.

**Note:** The SG6460 Series Stainless Steel Flexible hoses lined with Teflon® are not recommended for Oxygen service. Refer to CGA E-9, 1998 Standard for additional information.



SG6460 Series Teflon® Lined Flexible Hose  
SG6450 Series All Stainless Steel Flexible Hose

### Specifications

Maximum Working Pressure:  
SG6450: 3850 psig @ 70°F  
SG6460: 3000 psig @ 70°F

End Fittings:  
SG6450: 1/4" NPT female  
SG6460: 1/4" NPT male

Diameter:  
SG6450:  
0.28" nominal ID, 0.63" nominal OD  
SG6450-D:  
0.28" nominal ID, 0.73" nominal OD  
SG6460:  
0.25" nominal ID, 0.38" nominal OD

Overbraid:  
SG6450: Double Braided  
SG6450-D: Double Braided  
with Armor Casing  
SG6460: Single Braided

Approximate Weight (lbs.):  
SG6450: 0.3 per foot  
SG6450-D: 0.5 per foot  
SG6460: 0.1 per foot

### Materials of Construction

End Fittings:  
SG6450: Type 316 Stainless Steel  
SG6460: Type 304 Stainless Steel

Innercore:  
SG6450: Type 316 Stainless Steel  
SG6460: Extruded PTFE Teflon®

Overbraid: Type 304 Stainless Steel

Table I

Part No.	Hose Material	Length (ft)
SG6450	Stainless Steel Innercore with SS Overbraid	2
SG6450-A	Stainless Steel Innercore with SS Overbraid and Armor Casing	2
SG6451	Stainless Steel Innercore with SS Overbraid	3
SG6451-A	Stainless Steel Innercore with SS Overbraid and Armor Casing	3
SG6457	Stainless Steel Innercore with SS Overbraid	5
SG6457-A	Stainless Steel Innercore with SS Overbraid and Armor Casing	5
SG6454	Stainless Steel Innercore with SS Overbraid	6
SG6466	Teflon® Innercore with SS Overbraid	3
SG6469	Teflon® Innercore with SS Overbraid	6