

SG6450, SG6460 Series

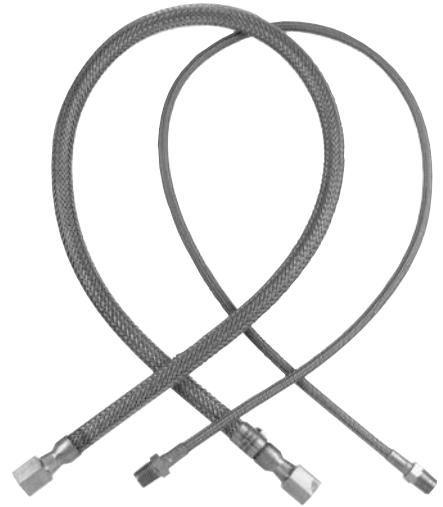
Flexible Hoses

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 PTFE.

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, PTFE-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 PTFE are not recommended for Oxygen service. Refer to CGA E-9, 1998 Standard for additional information.



SG6460 Series PTFE-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

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	PTFE Innercore with SS Overbraid	3
SG6469	PTFE Innercore with SS Overbraid	6