

# Compressed Gas & Cryogenic Hose



*JACKSON*  
INDUSTRIES →

## The US Hose Corp Advantage

US Hose Corp delivers problem-solving products to the Compressed Gas Industry worldwide as part of the United Flexible group of companies with manufacturing and distribution facilities worldwide. The United Flexible group specializes in providing high performance flexible engineered solutions for the transfer of gas and liquids in critical demanding conditions. US Hose Corp is a fully integrated manufacturer in cooperation with our United Flexible partner Habia Teknofluor (<http://www.habiateknofluor.se/>). We combine the latest production technologies for metal cryogenic hose and state-of-the art Fluoropolymer hose/assembly manufacturing.

A complete selection of Fluoropolymer and metal cryogenic hose products are designed specifically for gas fill plants, air separation and bulk trailer transportation. The "Guard Check™" cylinder filling assembly has been widely used for more than a decade in the compressed gas industry. "Guard Check" is now augmented with the introduction of the new "Armor Check™" assembly which takes operational safety to another level for cylinder filling operations.

Safety and Quality are the core disciplines in all manufacturing facilities. Our oxygen hoses are cleaned per the CGA cleaning guideline, G-4.1. Ultra modern cleaning technology assures that potentially ozone depleting solvents are avoided. All of our Fluoropolymer pigtailed assemblies are subject to testing and rigorous inspection prior to shipment.

Our quick response time is unparalleled in the industry. Expedite service is available for emergency orders so you are assured you will get what you need fast and on-time. The combination of quality factory built hose assemblies, problem-solving engineering and a knowledgeable customer service group make US Hose Corp the ideal choice the next time you need to purchase hoses.

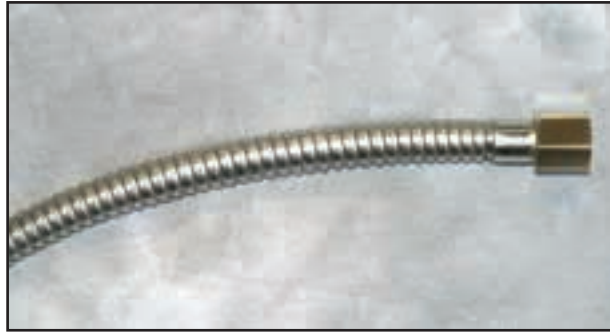
## Standard Cylinder Filling Hose



	Size	Max WP	Hose Type	Fitting Alloy
Standard Pigtail for Oxygen, Argon, Nitrogen, Acetylene & Other Gases	¼"	3000 PSI	Single Braid PTFE Lined Hose	Brass & Stainless Steel
	¼"	4200 PSI	Double Braid PFA Lined Hose	Brass & Stainless Steel
Standard Pigtail Low Effusion Fluoropolymer Tube for Hydrogen & Helium	¼"	3000 PSI	Single Braid Tefzel™ Lined Hose	Brass & Stainless Steel
Extra High Pressure Hose for High Pressure Gas	¼"	6000 PSI	Multi-Layer Braid PTFE Lined Hose	Stainless Steel
Zero Effusion for Hydrogen and Helium	¼"	3600 PSI	Type 316 SS Lined Metal Hose	Stainless Steel
Extra Pressure Tube Trailer Hose for High Pressure Helium	¼"	3600-6,500 PSI	Type 316 SS Lined Metal Hose	Stainless Steel

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## Armor-Check™ Cylinder Filling Hose



	Size	Max WP	Hose Type	Fitting Alloy
Armor-Check™ 3000 & Armor-Check™ 3600 for Oxygen, Argon, Nitrogen, Acetylene & Other Gases	¼"	3000 PSI	Single Braid PTFE Lined Hose	Brass & Stainless Steel
	¼"	4200 PSI	Double Braid PFA Lined Hose	Brass & Stainless Steel
Armor-Check™ LP Low Permeation Fluoropolymer Tube for Hydrogen & Helium	¼"	3000 PSI	Single Braid Tefzel™ Lined Hose	Brass & Stainless Steel
Armor-Check™ EPT for High Pressure Gas	¼"	6000 PSI	Multi-Layer Braid PTFE Lined Hose	Stainless Steel
Armor-Check™ ZE Corrugated Metal Hose for Hydrogen and Helium	¼"	3600 PSI	Type 316 SS Lined Metal Hose	Stainless Steel
Armor-Check™ EPM Tube Trailer Hose for High Pressure Helium	¼"	3600-6,500 PSI	Type 316 SS Lined Metal Hose	Stainless Steel

## Guard-Check™ Cylinder Filling Hose



- Designed to control hose associated with over-pressurization or falling cylinder
- High tensile stainless spiral guard is permanently locked to the end fitting
- Improves kink and crush resistance versus standard un-guarded pigtails

	Size	Max WP	Hose Type	Fitting Alloy
Guard-Check™ 3000 & Guard-Check™ 3600 for Oxygen, Argon, Nitrogen, Acetylene & Other Gases	¼"	3000 PSI	Single Braid PTFE Lined Hose	Brass & Stainless Steel
	¼"	4200 PSI	Double Braid PFA Lined Hose	Brass & Stainless Steel
Guard-Check™ LP Low Permeation Fluoropolymer Tube for Hydrogen & Helium	¼"	3000 PSI	Single Braid Tefzel™ Lined Hose	Brass & Stainless Steel
Guard-Check™ EHP Extra High Pressure Hose for High Pressure Gas	¼"	6000 PSI	Multi-Layer Braid PTFE Lined Hose	Stainless Steel

### Quality Standard for Cylinder Fill Hose

- Meets CGA E9 Specifications
- Each hose tested to 150% of the Maximum Working Pressure
- In-house oxygen cleaning without using ozone depleting solvents

## Cryogenic Cylinder Fill Hose



Features include:

- High cycle life and flexibility ensure ease of installation and use.
- CGA or NPT flare fittings available.
- Optional full armor guard is available for applications involving rugged handling environments.
- Ideal for hospital and fill plant applications due to high aesthetic appeal.

### End Fitting Options



Size	Max. Hose Working Pressure	Static Bend Radius
3/8"	1450 PSI	1.5"
1/2"	1075 PSI	1.7"
3/4"	950 PSI	2.7"
1"	725 PSI	3.5"

## Liquid Cryogenic Transfer Hose



Corrugated metal hose assemblies are value engineered for the best combination of operator handling ease and dependable daily performance. Liquid transfer hose asse

- All metal construction.
- Full armor available on request.
- Stainless steel armor cuff for operator safety.
- Less force and weight to flex for better handling.
- Close pitch construction to reduce turbulence.

### Optional Features for Bulk Delivery Hose:

- Nylon Cover
- Full Armor Guard
- CGA Fittings

Size	Max. Hose Working Pressure	Static Bend Radius
1"	900 PSI	3.34"
1-1/2"	435 PSI	5.11"
2"	425 PSI	6.29"
2-1/2"	377 PSI	7.90"
3"	250 PSI	7.00"
4"	210 PSI	9.00"