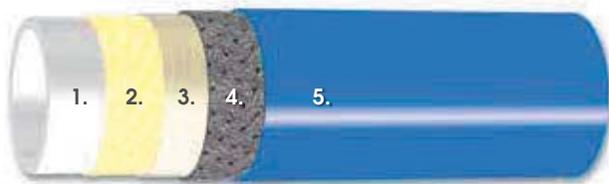


Basic Design

1. PFA or ETFE Inner Tubing
2. Kevlar Braid
3. Interlayer PTFE Tape
4. Stainless Steel Braid
5. Hytel Jacket



Construction

Ultra Series extra high pressure hose is constructed with fluoropolymer innercores of non conductive ETFE or PFA. Unlike other types of hose that use multiple layers of stainless steel wire reinforcement, Ultra incorporates the use of one braided layer of high tensile aramid fiber and one layer of stainless steel. This value engineered constructions reduces weight and improves bend radius while increasing burst pressure. An integral abrasion resistant Hytel jacket protects the exterior braid and has a smooth finished appearance. Ultra PFA hose has a black Hytel jacket and the Ultra ETFE is differentiated with a **blue** Hytel jacket. For more information on Hytel properties please consult the our home page for the Hytel Technical Bulletin.

Applications

- Compressed Gas Cylinder Filling
- Nitrogen Purging
- Life Support Packs
- Hydraulic Phosphate Ester Transfer
- High Pressure Paint Equipment
- Epoxy/Adhesive Systems
- High Pressure Sanitary Service
- Meets FDA Requirements for food grade compatibility

Benefits

- Extra Long **Continuous Lengths Up to 150 Feet**
- Low Effusion PFA & ETFE Fluoropolymer Innercore
- Proprietary Jackson Engineered **HRSA** Fitting Design Assures Integrity Of Hose To Fitting Joint
- Internal media Minus 40 F to +200F; not to exceed 180F ambient external temperature
- Fast Turnaround On Custom Made Assemblies
- Each Assembly Fully Pressure Tested (see table below)

Part Number	ID Inch	Nom-inal Size	Working Pressure	Burst Pressure	Hydro-static** Pressure Test	Nitrogen** Pressure Test	OD Inch	Minimum Bend Radius (Inch)
S-4 PFA/ETFE Ultra	0.22	1/4	6,000 PSI	24,000 PSI	9,000 PSI	6,000 PSI	.46	1.0
S-6 PFA/ETFE Ultra	0.31	3/8	6,000 PSI	24,000 PSI	9,000 PSI	6,000 PSI	.54	2.0
S-8 PFA/ETFE Ultra	0.40	1/2	6,000 PSI	24,000 PSI	9,000 PSI	6,000 PSI	.71	2.3

- Ultra ETFE for helium and hydrogen gas transfer
- For oxygen gas use Ultra PFA ; Ultra ETFE is not recommended for oxygen service
- For gas applications assemblies are pressure tested with nitrogen at 6000 PSI, for fluid transfer each hose assembly is hydrostatically pressure tested at 9000 PSI.