

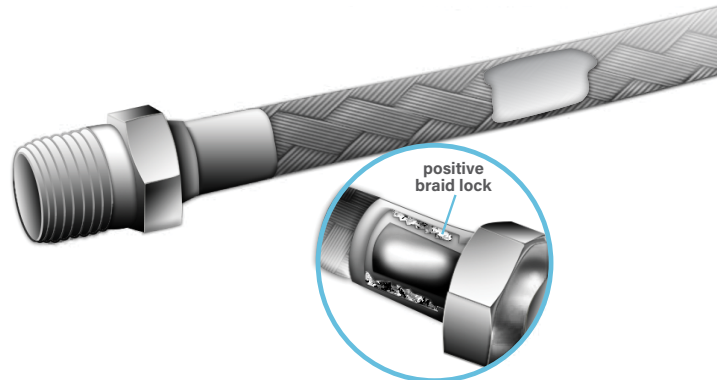
PTFE HOSE

SMOOTH BORE & CONVOLUTED HOSE
STAINLESS STEEL & BRASS END FITTINGS

PTFE HOSE

SMOOTH BORE PTFE HOSE

These general purpose PTFE hoses are the most widely utilized hoses throughout the industry. They are presently found in operations as diverse as chemical transfer, steel processing, paint spraying, fuel, and lubricant handling, hydraulic systems, plastic molding machines, food processing, marine, and transportation industries. Sizes 1/8" I.D. through 5/8" I.D. are rated for full vacuum. Larger hose sizes can be reinforced with an internal support spring for full vacuum service. For continuous pneumatic service at the highest pressure ratings, we recommend the use of high pressure hoses for enhanced performance.



CONSTRUCTION

CONDUCTIVE & NON CONDUCTIVE SMOOTH BORE PTFE HOSE WITH 304 SS BRAID

Temperature Range:

-65°F to 450°F for continuous service.

Specifications:

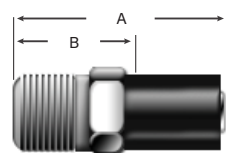
HOSE PART NUMBER	NOMINAL SIZE IN.	NOMINAL ID IN.	NOMINAL OD IN.	OPER. PSI AT ROOM TEMP.	MIN. BURST PSI AT ROOM TEMP.	MIN. BEND RADIUS IN.
TCR-115-3	3/16	.125	.234	3,000	12,000	2
TCR 115 / 122-4	1/4	.187	.312	3,000	12,000	2
TCR 115 / 122-5	5/16	.250	.375	3,000	12,000	3
TCR 115 / 122-6	3/8	.312	.445	2,500	10,000	4
TCR 115-6T *	3/8	.375	.503	2,250	9,000	4.5
TCR-115 / 122-8	1/2	.406	.549	2,000	8,000	5.2
TCR-115 / 122-10	5/8	.500	.648	1,500	6,000	6.5
TCR-115 / 122-12	3/4	.625	.778	1,200	4,800	7.7
TCR-115-12T *	3/4	.755	.886	1,100	4,400	8.2
TCR-115 / 122-16	1	.875	1.030	1,000	4,000	9
TCR-115-16T *	1	1.000	1.135	900	3,600	10
TCR-115-16Z †	1	.875	1.065	1,250	5,000	9
TCR-122-20	1 1/4"	1.125	1.315	800	3,200	16

* True Bore. NOTE: Standard fittings are not available for true bore hoses.

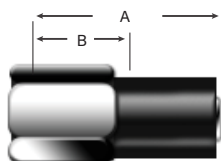
† Double braid.

END FITTINGS

FITTINGS FOR SMOOTH BORE PTFE HOSE

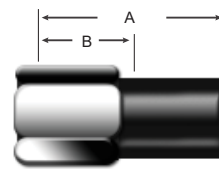


• Male Pipe NPT



• Female Swivel JIC (37° SEAT) SAE (45°)

* All sizes except -6 and -12 are interchangeable



• Female Pipe NPT

PTFE HOSE

CONVULUTED PTFE HOSE

A general purpose workhorse hose found in hundreds of chemical transfer and industrial applications. Present uses for convoluted PTFE hose typically include water purification systems and food processing equipment. With special suitability where higher flow rates and the possibility of static charge accumulation are involved, its inner-core is an important provision in such applications as fuel handling. It has unusually high resistance to thermal cycling; therefore it is used extensively in tire presses, laundry presses, and other types of steam service, where on/off operating cycles cause wide temperature fluctuations inside the hose.



CONSTRUCTION

CONDUCTIVE & NON CONDUCTIVE SMOOTH BORE PTFE HOSE WITH 304 SS BRAID

Temperature Range:

-65°F to 400°F for continuous service.

Specifications:

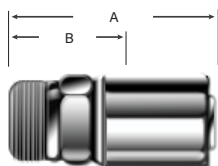
HOSE PART NUMBER	NOMINAL SIZE IN.	NOMINAL ID IN.	NOMINAL OD IN.	OPER. PSI AT ROOM TEMP.	MIN. BURST PSI AT ROOM TEMP.	MIN. BEND RADIUS IN.
TCR272 / TCR276-8	1/2"	.512	.785	1,000	4,000	1.00
TCR272 / TCR276-12	3/4"	.750	1.090	1,000	4,000	2.00
TCR272 / TCR276-16	1"	.998	1.300	1,000	4,000	3.00
TCR272 / TCR276-20	1 1/4"	1.239	1.560	1,000	4,000	6.25
TCR272 / TCR276-24	1 1/2"	1.500	1.792	750	3,000	7.50
TCR272 / TCR276-32	2"	1.982	2.333	500	2,000	10.00

* Maximum operating pressures shown apply to all temperatures up to 400°F

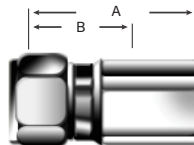
CONTACT TCH FOR 2.5", 3" OR 4" I.D. ASSEMBLIES

END FITTINGS

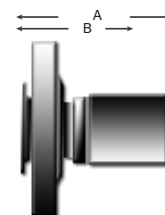
FITTINGS FOR ALL CONVULUTED PTFE HOSE



• Male Pipe NPT



• JIC - Female Swivel (37° SEAT)



• Flange Retaining Insert SS

PTFE HOSE

SMOOTH BORE & CONVOLUTED PTFE HOSE

Construction of smooth bore PTFE hose:

The smooth bore hose is constructed of an inner-core PTFE or carbon black static dissipative PTFE with 304 stainless steel braid. The braid increases PSI and acts as a protective covering. Smooth bore hose is found in many applications that handles temperamental fluids such as acid, solvents, fuels, and chemicals of all types. Available with thin or heavy wall tubing of PTFE (polytetrafluoro-ethylene).

Benefits:

- High working & burst PSI
- The low-friction surface allows high flow rates
- Temperature Rating of -65°F to 400°F
- Most economical of all hoses lined with PTFE
- Easily drained and/or cleaned

Construction of convoluted PTFE hose:

The open pitched convoluted PTFE hose is constructed of extruded seamless vacuum-formed white tube protected by stainless steel braid. The internal profile of the hose allows high flow rates while the helical design aids in self draining.

Benefits:

- Self draining
- Flexible design for easy installation
- Light weight
- Suitable for thermal cycling or steam applications
- Steam cleanable
- Temperature Rating of -65°F to 400°F
- High PSI ratings
- Long life impulse

PROTECTIVE HOSE COVERINGS

SILICONE FIRE SLEEVE



HEAT SHRINK TUBING

