



(800) 344-0150



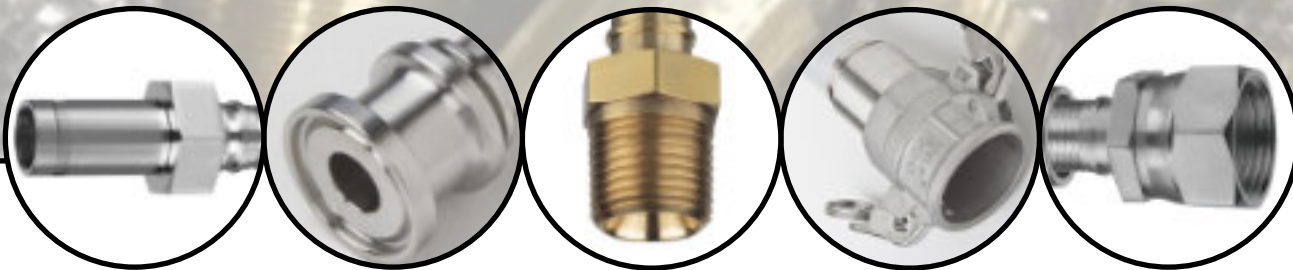
A team driven to provide quality hose solutions through ingenuity, passion and commitment.

Introducing our new Teflon (PTFE) Cell: we are proud to announce the opening of our new Teflon Cell where only Stainless Steel Braided Teflon hose will be cut, coupled, and bagged for shipment. This dedicated Teflon-only environment means no cross-contamination with other production areas, as well as increased efficiency and consistency. **More than anything this offers our customers the value of speed.** With hose, fittings, and ferrules stocked and assembled on site in the cell, our turnaround times from order to inspection and shipment are a step above the competition!



Customer length and fitting combinations: we can facilitate all of your length and fitting combinations to reduce costs associated with splicing shorter hose sections. Phthalate-free 100% PTFE tube liners offer the customer a non-leaching, flexible product that is robust & affordable.

US HOSE & COUPLING is proudly NAHAD certified: we offer on-site hose assembly testing with our custom built pressure test station. For customers who would like additional customizable information included with their assemblies, we can have a 316SS Hose Tag printed and attached upon request.



NEED IT QUICK? WE STOCK OUR FITTINGS AND HOSE ON SITE FOR THE FASTEST TURNAROUND TIMES IN THE INDUSTRY!

SMOOTH BORE CELL STOCK

- 1/4", 3/8", 1/2", 3/4" & 1" Hose
- Stainless Steel and Brass Fittings
- 2 piece Hex Male Pipe
- 2 piece Female JIC Swivel with Back Up Hex
- Compression Tube End with Collar & Hex
- Standard and High Pressure Ferrules

CONVOLUTED CELL STOCK

- 1/2", 3/4", 1", 1-1/4", 1-1/2" & 2" Hose
- Stainless Steel and Carbon Steel Fittings
- Rigid Male Pipe
- Female JIC Swivel
- Grooved Tube End
- Camlock Parts C & E

**2611 Thunderhawk Ct.
Dayton, OH 45414**

**(800) 344-0150 phone
(937) 454-2086 fax**

**sales@ushoseco.com
www.USHOSECO.com**

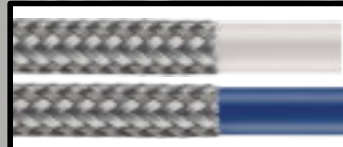
TEFLON - PTFE



(800) 344-0150



(800) 344-0150



SMOOTH BORE - NON-CONDUCTIVE & CONDUCTIVE MEDIUM PRESSURE

- 304 Stainless Steel wire braid reinforcement
- **TEMP RANGE:** -65 °F to +400 °F for continuous service. -100 °F to +500 °F for intermittent service.

- Manufactured from fine powder PTFE
- PTFE meets or exceeds FDA 21 CFR 177.1550 and SAE 100R14
- **VACUUM RATING:** Sizes -4 through -10 are rated for full vacuum. Larger sizes can be reinforced with an internal spring for full vacuum

PART NUMBER (Non-Conductive)	PART NUMBER (Conductive)	I.D. (in)	O.D. (in)	MAX WP (psi)	BURST PSI (psi)	MINIMUM BEND (in)	WEIGHT (lbs/ft)
SB-04	SBB-04	1/4	0.312	3000	12,000	2.00	0.058
SB-06	SBB-06	3/8	0.445	2500	10,000	4.00	0.098
SB-08	SBB-08	1/2	0.549	2000	8000	5.20	0.126
SB-10	SBB-10	5/8	0.648	1500	6000	6.50	0.154
SB-12	SBB-12	3/4	0.778	1200	4800	7.70	0.190
SB-16	SBB-16	1	1.030	1000	4000	9.00	0.280
SB-20	SBB-20	1-1/4	1.135	800	3200	16.00	0.369



ULTRA HIGH PRESSURE SMOOTH BORE

- Tube is made using a "zero static" conductive PTFE allowing for bleed off of static build-up experienced in high flow applications.
- **TEMP RANGE:** -65 °F to +400 °F

- A unique braiding process is used to reduce weight and bulk without compromising pressure capability.
- Larger sizes (-12 and up) have an additional braid layer between the Teflon tube and pressure carrying outer braid.

PART NUMBER	SIZE (in)	I.D. (in)	O.D. (in)	MAX WP (psi)	BURST PSI (psi)	MIN BEND RADIUS (in)	WEIGHT (lbs/ft)
SBHP-04	1/4	0.222	0.375	5000	15000	1.5	0.10
SBHP-06	3/8	0.308	0.475	5000	15000	2.5	0.16
SBHP-08	1/2	0.403	0.600	5000	15000	2.87	0.23
SBHP-10	5/8	0.505	0.715	5000	15000	3.25	0.32
SBHP-12	3/4	0.630	0.970	5000	15000	3.87	0.66
SBHP-16	1	0.867	1.250	5000	15000	5.00	1.02

All pressures were calculated at 70°F

CONVOLUTED Series WC - Non-Conductive Series BC - Conductive



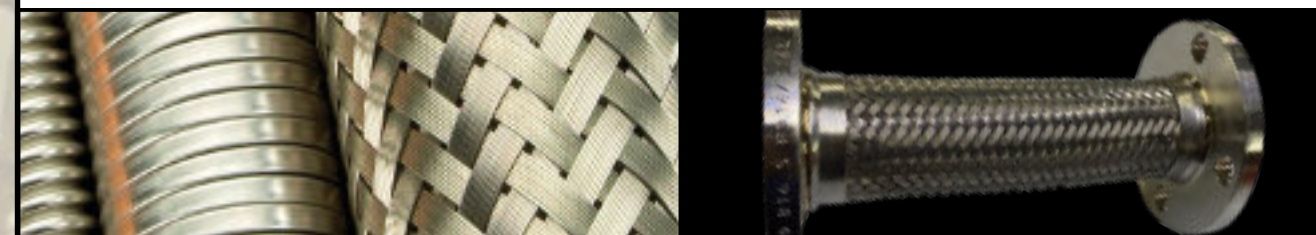
- Greater flexibility and less kinking due to open pitch convolutions
- Reduced friction coefficient for increased flow rates
- PTFE tube is FDA compliant
- Resistant to rust and corrosion
- Virtually unlimited shelf life

- No static conductivity
- **Temperature Range:** -100 °F to +450 °F Continuous
- **Burst Pressure:** 4 to 1 burst at +71 °F
- 300 Series Stainless Steel braid
- Can be operated in Vacuum (see specs)
- Steam cleaning is possible

PART NUMBER (Non-Conductive)	PART NUMBER (Conductive)	I.D. (in)	O.D. (in)	MAX WP (psi)	BURST PSI (psi)	BEND RADIUS (in)	WEIGHT (lbs/ft)
WC-04OP	BC-04OP	0.28	0.484	2500	7500	0.709	0.12
WC-06OP	BC-06OP	0.374	0.6	2000	6000	0.787	0.23
WC-08OP	BC-08OP	0.505	0.74	1500	4500	0.984	0.27
WC-10OP*	BC-10OP*	0.625	0.87	1200	3600	2.008	0.35
WC-12OP	BC-12OP	0.75	0.97	1000	3000	2.52	0.43
WC-16OP	BC-16OP	1.0	1.29	667	2000	3.504	0.63
WC-20OP	BC-20OP	1.268	1.603	500	1500	5	0.75
WC-24OP	BC-24OP	1.5	1.9	435	1305	5.984	0.88
WC-32OP	BC-32OP	2.024	2.421	333	1000	7.874	1.11

*MADE TO ORDER - All pressures were calculated at 70°F

Teflon hose offers a cost effective and robust design optimized for your specific application. Superior fluid handling of the most aggressive acids and bases is Teflon's main attraction. In general, heat and higher pressures do not mix well with Industrial Rubber hoses. However, Teflon hoses can handle this AND have the added bonus of a steel braided cover that provides protection in harsh operating environments. Innovative PTFE technology satisfies many demanding industries where fluid handling tolerance is paramount. These include aerospace, automotive, robotics, semiconductor production, pharmaceutical, and pulp & paper manufacturing to name a few.



TEFLON - SMOOTH BORE

TEFLON - CONVOLUTED



(800) 344-0150



A team driven to provide quality hose solutions through ingenuity, passion and commitment.

How does Teflon test with its peers? Compared to Industrial Rubber hose, Teflon boasts a much more robust tube construction that stands up to the corrosiveness of chemicals, such as Chlorine and its derivatives. Side by side with Metal hose, the flexibility of Teflon

cannot be beat, a workhorse in tight spaces. In addition, the braided stainless steel jacket offers a longer service life and thus less operating costs, is easier to handle, and has the inherent benefit of safety.



INDUSTRIES SERVED

- Hot Melt Adhesives
- Chemical Transfer
- Welding & Compressed Gas Pigtails
- Extrusion Presses & Plastics Molding
- Grease & Lubricant Handling
- Hot Oil Transfer & Heated Hose Assemblies
- Hydraulic Systems
- Instrumentation
- Paint, Coating & Airless Spray Systems
- Cosmetics

Air Compressor Systems: One of the more demanding areas PTFE excels in is with air compressor intake and discharge systems. Air compressors routinely handle pressures around 1,000 psi, operate at a high temperature close to +400 °F, and deal with an oil/water mixture. All of this with repetitive periods of vibration, often in very tight spaces. Combine all of these factors and it is a bad news situation for regular Industrial Rubber hose. However, Stainless Steel Braided Teflon hose can handle all of these rugged situations, plus has an excellent rating for oil/water mix.

IF YOU ARE LOOKING FOR HIGH TEMPERATURE AND PRESSURE HOSES THAT CAN HANDLE TOUGH ENVIRONMENTS, CALL US!!!

TEFLON - PTFE

2611 Thunderhawk Ct.
Dayton, OH 45414

(800) 344-0150 phone
(937) 454-2086 fax

sales@ushoseco.com
www.USHOSECO.com