

[**3/8" - 6"**]

Size Range

[**-100 to 350°F**]

Temperature Capability

[**Up to 3,600x**]*

PTFE T-62 Flex Life vs. FEP

[**100%**]

Assemblies Tested

[**ISO 9001**]

Certified, End to End

* Based on internal testing

Teflon™ – The Chemours Company FC, LLC. KYNAR® – Arkema Inc. HASTELLOY® – Haynes International. MONEL® – Special Metals Corporation group.

Flexible Solutions Engineered for Aggressive Chemical Service

Resistoflex® offers the industry's most complete Teflon™ PTFE-lined hose systems — hose, liner, reinforcement, and crimped fitting designed for safety, reliability, and lifecycle performance.

Premium PTFE. No Compromises.

Made exclusively with virgin Teflon™ PTFE-62 to deliver exceptional flex life, superior chemical resistance, and consistent purity — with no resin swaps.

Tested For Total Confidence.

Each assembly is Hydrotested and Nitrogen Leak Tested to verify crimp integrity. *Exception SVT

Pure PTFE Flow Path. Zero Metal. Zero Risk.

PTFE Flare-thru and PFA encapsulated fitting constructions ensure Teflon™ on all wetted surfaces, eliminating corrosion points, crevices, and contamination traps. *Available for select products only

Static Control Options You Can Trust.

Antistatic black PTFE options safely dissipate charge using FDA-compliant carbon to support operator safety in volatile environments.

Certified for High-Purity Applications.

PTFE resin for hose liners meet FDA CFR 177.2600, USDA, and 3-A standards with full lot traceability for regulated, sanitary, and contamination-sensitive applications.

Engineered Support & Tailored Solutions.

Application guidance, published pressure/vacuum curves, and tailored options including lengths, colors, and tagging — built around your specific process needs.

Top Applications

- Aggressive Chemical Transfer
- Pump Connections and Process Lines
- Vacuum and Suction Service
- Loading and Unloading Operations
- High Purity Media Transfer
- Static-Sensitive Environments
- OEM Chemical Systems
- Extreme Corrosion Service
- Clean-in-Place (CIP) Systems



Why Resistoflex®

- 70+ Years of PTFE Hose Innovation & Chemical Transfer Expertise
- Widely Trusted and Approved Across the Chemical Processing Industry
- Premium Chemours Teflon® T-62 Resin for Maximum Flex Life
- Engineered for Critical Chemical and Safety-Critical Applications
- Flared-Through PTFE Flow Path for Maximum Purity and Corrosion Protection
- Custom-Engineered Solutions for Your Specific Application
- Proven Quality, Traceability, and Product Verification
- Expert Sales, Engineering, and Application Support

CONVOLUTED BORE | Maximum Flexibility for Chemical Transfer

Convoluted PTFE hoses deliver unmatched flexibility, vacuum capability, and chemical resistance. Ideal for dynamic routing, aggressive media, and daily chemical transfer.

Series	Ideal Applications	Construction	Cover	Sizes	Flared Option	Differentiator
<i>Flex-Critical & Dynamic Routing: For tight routing, vibration, movement, and suction lines.</i>						
CRC / CRCF Twister	Ultra-flexible routing, rail/truck loading, transfer panels	Convoluted PTFE, SS wire wrap, tire cord	EPDM Rubber	1/2"–2"	No	1:1 bend radius, kink-proof
SVT / SWVT Vent Tubing	Low-pressure suction, weigh tanks, centrifuges, reclaim lines	Convoluted PTFE tube, opt. wire	Unreinforced	1/2"–4"	Yes	Highly flexible, ideal for venting and suction lines
<i>Pressure + Vacuum Chemical Transfer: For everyday chemical service where reliability matters.</i>						
CB / CBF / CWB / CWBF	Medium pressure + full vacuum capability	Convoluted PTFE, opt. wire wrap	316 Stainless Braid	3/8"–4"	Yes	Pressure and vacuum capability in one hose; up to 1,425 psig
CPB / CPBF / CWPB / CWPBF	Lightweight handling, abrasion resistance, operator safety	Convoluted PTFE, opt. wire wrap	Polypropylene Braid	1/2"–4"	Yes	No metal braid — safer handling, reduced weight
<i>Severe Corrosion & Permeation Resistance: For extreme chemical environments and permeants.</i>						
CHB	Severe corrosion, high-purity chemicals, cryogenic service	Convoluted PTFE	HASTELLOY [®] Braid	1/2"–2"	No	Extreme chemical resistance; cryogenic-capable in smaller sizes
CKB	Aggressive permeants, harsh exterior environments	Convoluted PTFE, heavy double braid	KYNAR [®] PVDF Braid	1/2"–2"	No	Permeation resistance and durability; 5:1 safety factor

SMOOTH BORE | True-ID Purity and Pressure Performance

Smooth bore PTFE hoses deliver laminar flow, sanitary compatibility, and high-pressure performance. Ideal for purity-critical, leak-critical, and steam-cycle applications.

Series	Ideal Applications	Construction	Cover	Sizes	Flared Option	Differentiator
<i>Sanitary & High-Purity Transfer: For contamination-sensitive environments requiring pure PTFE flow paths.</i>						
SBT / SBTf	High-pressure sanitary transfer, CIP/SIP	Extra-thick smooth PTFE, heavy gauge	300-Series SS Braid	3/8"–1"	Yes	True-ID flow; up to 2,000 psig; long lengths
<i>Steam-Cycle, Crush-Resistant & Flexible Routing: For systems requiring durability under movement and thermal cycling.</i>						
TRC NXT / TRCF NXT	Steam cycling, crush/kink resistance, flexible routing	Smooth PTFE, nylon pycord, double-helix wire	EPDM Rubber	1/2"–4"	Yes	Double-helix wire reinforcement for crush and vacuum protection
<i>Leak-Critical & Severe Chemical Service: For hazardous media and permeants where leak prevention is essential.</i>						
TMH 316 SS / MONEL [®] / HASTELLOY [®]	Severe, leak-critical transfer and high-purity chemical service	Heavy-wall PTFE, Thermalok [™] flare-thru	SS / MONEL [®] / HASTELLOY [®]	1"–6"	Yes	Thermalok [™] flare-thru design with liner vent system for leak prevention; 4x safety factor

SPECIALTY | Extreme Environments and Critical Media

Specialty hoses are engineered for the harshest chemical environments, hazardous media, and regulated applications where compliance and safety are non-negotiable.

Series	Ideal Applications	Construction	Cover	Sizes	Flared Option	Differentiator
CTKH Chlorine Hose	Harshest chemicals: chlorine, caustics, and bromine	Antistatic PTFE, KYNAR [®] double braid	HDPE spiral guard	1/2"–1-1/2"	No	Chlorine Institute Pamphlet 6 compliant
TR Truck-Rail	Bulk chemical loading/unloading	Smooth PTFE, SBR pycord, steel helix	Neoprene Rubber	1"–4"	Yes	Molded integral reinforcement for leak-critical service



Industrial Hose Design Manual

RxFlexSales@cranecpe.com

+1 828 724 4000