Composite Hose

Construction

- Latest addition to our **TIFT-Compoflex Composite hoses** for chemical transfer.
- Extra heavy weight polypropylene cast film liner.
- Liner is surrounded by multiple layers of chemical-resistant polypropylene fabrics and films with special 100% resistant aromatic vapor barrier layers in the hose wall.
- Available in working pressures of either 200 or 250 PSI, with color-coded stripe to differentiate.

End-Fittings

- Custom-made fittings available for every application. Available materials consist of carbon steel, T316 stainless steel, polypropylene, brass, and custom made specials with threaded, flanged, or quick-disconnect ends.

Applications

Chemical Transfer
Paint Transfers
Ink
Dye
Pigments
Solvents
Acids
Petroleum Products
Drumming
Tank Truck
Rail Car
Blending
Top Loading
Process Piping
Batch Processing
Storage Tank Transfer

Benefits

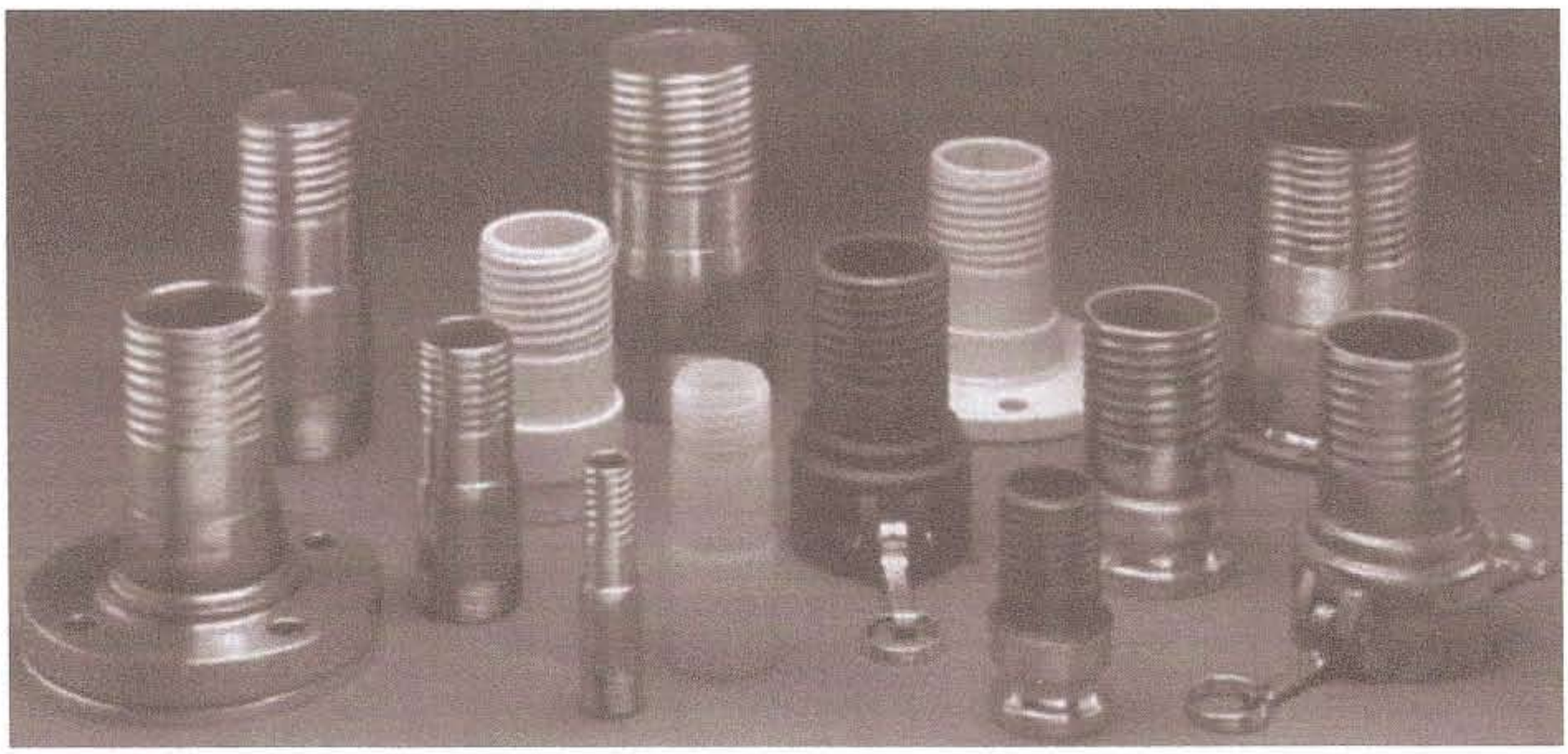
- Superior chemical resistance.
- Easily cleaned.
- Film liner allows for smoother, easier flow with less turbulence.
- Light weight.
- Flexible, even at low temperatures.
- Easily handled and user friendly.
- Available in 1" to 4" diameters.
- Hose style available in 200 and 250 PSI maximum working pressure with a minimum 4:1 safety factor.
- Lower cost alternative to hoses lined with Teflon®.
- Electrically continuous, prevents static electrical build-up and internal arcing.
- U.V., abrasion, and ozone resistant.
- Resistant to crushing and kinking.
- Full or partial vacuum rated.
- Long-term durability.
- Fatigue resistant.

Composite Hose Specifications

ID in. (mm)	OD in. (mm)	MAX WP* psi (bar)	MIN BEND RADIUS in. (mm)	WEIGHT lb/ft (kg/m)	MAX LEN ft (m)
Chem-Master® • Code 968 • Sky blue with dark blue & orange stripe.					
1 (25)	1-1/2 (38)	250 (17.5)	4 (100)	0.6 (0.9)	60 (18)
1-1/4 (32)	1-3/4 (42)	250 (17.5)	5 (125)	0.75 (1.1)	50 (15)
1-1/2 (38)	2 (50)	250 (17.5)	5 (125)	1.0 (1.5)	60 (18)
2 (50)	2-1/2 (65)	250 (17.5)	6 (150)	1.5 (2.2)	75 (23)
2-1/2 (65)	3 (75)	250 (17.5)	7 (175)	2.1 (3.1)	60 (18)
3 (75)	3-1/2 (88)	250 (17.5)	8 (200)	2.3 (3.2)	60 (18)
4 (100)	4-1/2 (115)	200 (14.0)	13 (325)	3.0 (4.5)	60 (18)

* 4:1 Minimum Safety Factor

Hose couplings, adapters and accessories



Double start threads, scrolls or serrations….
engage the inner wire and ensure positive location of the outer wire after swaging. Precise machining assures maintenance of hose film pack and wire integrity.

Raised sealing face…
is vital to a leakproof connection. Our external swage process assures that the hose is permanently engaged and sealed to the fitting.

Comprehensive range of fittings available…
Threaded or flanged stock connections – designed to current US standards.Fixed (weld neck or slip on) and swivel flanges – to ASA 150 and ASA 300 standards. Proprietary quick release couplings, with adapters. Custom fittings to meet particular application and compatibility requirements available.

Materials…
Carbon steel, Stainless Steel, brass, aluminum and polypropylene available to specification.