



## Eaton Everflex Teflon Hose and Hose Fittings S-TW & SC-TW Series Teflon® Hose

# Overview & Features

Conductive and non-conductive smooth bore Teflon hose products with a minimum wall thickness of 0.030". S-TW and SC-TW hoses operate at high temperatures when diverse chemical resistance is needed.

### Features

- Operates at high temperatures
- Chemically resistant
- DuPont T-62 resin exclusively used in the Aerospace industry
- Outer braid options include 303/304 and 316 stainless steel
- Offered in both conductive and non-conductive tube styles

# Where Used



### Aerospace

#### Applications:

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



### Data centers

#### Applications:

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



### Food and beverage

#### Platforms:

- Dispensing
- In-Plant Processing

#### Applications:

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



### Government

#### Applications:

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



### Machine building

#### Platforms:

- CNC Machining
- Metal /Hydro Forming
- Metal Stamping and Shearing
- Plastics

#### Applications:

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



### Marine

#### Applications:

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



### Mining, metals and minerals

#### Platforms:

- Ball Mill
- Coal Mill
- Continuous Miner
- Conveyors
- Excavator
- Exploration Drill Rig
- Foundry Casting



### Mobile machinery and equipment

#### Platforms:

- 0-40 hp
- 100+ hp
- 40-100 hp
- Aerial Work Platforms (Scissor & Boom)
- All hp
- Application Equipment



### Oil and gas

#### Platforms:

- Blow-out Preventers
- BOP Control Systems
- Convenience store/ Gas station
- Downstream: Petrochemical
- Downstream: Refining (Ethanol/ Biodiesel)
- Downstream: Terminal Operations (refined gas and liquids)

- Highway Vocational Truck
- Longwall Mining System
- Mobile Crusher
- Off-Highway Dump Truck
- Reclaimer
- Rope Shovel
- Semi-Continuous Mining System
- Shuttle Car
- Stacker
- Stationary Crusher
- Steel Mill Furnaces
- Surface Drill Rig
- Underground Drill Rig
- Wheel Loader

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.

- Backhoe Loader
- Balers
- Biomass Processing
- Combines
- Compactor
- Concrete Pump
- Crane
- Crawler Dozer
- Cultivation Equipment
- Defoliating Equipment
- Delimers
- Excavator
- Feller Bunchers
- Forwarders
- Irrigation
- Irrigation Systems
- Lift Trucks
- Loaders
- Mowers
- Paver
- Row Crop Planters
- Self-Propelled Forage Harvesters
- Self-Propelled Sprayers
- Self-Propelled Windrowers
- Skid Steer Loader
- Skidders
- Specialty Equipment/Debris
- Specialty Harvesting
- Stump Grinders and Wood Chippers
- Telehandler
- Tractors - 2WD:
- Tractors - 4WD:
- Tree Harvesters
- Trimming Equipment
- Utility Vehicles
- Wheeled Loader
- Yards

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.

- Drill Systems
- Equipment Handling
- Flying Leads & Assemblies
- Hoisting Systems
- Liquefied Natural Gas/ Compressed Natural Gas
- Midstream: Saddle Plants
- Midstream: Terminal Operations (unrefined gas and liquids)
- Mooring Systems
- Motion Compensation
- Pedestal Cranes
- Pipeline
- Production Umbilicals
- Pump Jacks
- Remote Operated Vehicles
- Seismic Vessel Systems
- Seismic Vibrator Trucks
- Subsea Control Module
- Subsea Manifold/Sled
- Subsea Separation/Pumping
- Subsea Tree
- Upstream: Offshore (fixed or floater) Offloading Systems
- Upstream: Onshore Drilling Operations

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



**Pharmaceuticals**

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



**Rail**

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.

 **Renewables**

**Platforms:**

- Binary Cycle
- CAES
- Co-firing
- Combined Heat & Power (CHP)
- Concentrated Solar Power (CSP)
- Direct Fired
- Dry Steam
- Flash Steam
- Flow Battery
- Flywheel
- Impoundment
- NaS Battery
- Offloading Systems
- Photovoltaic (PV)
- Pumped Storage
- Run Of River
- Tidal/Current
- Upstream: Onshore Pump Jacks
- Wave



**Residential**

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



**Utilities**

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



**Vehicles**

**Platforms:**

- Dump
- Fire and Rescue
- Heavy Duty On-Highway
- Medium Duty On-Highway
- Pick-Up and Delivery (LTL)
- Public Transportation
- Refuse Truck
- Trailers
- Transit Mixer
- Wrecker/Recovery

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.



**Water and wastewater**

**Applications:**

- High temp hydraulics, steam, chemical

- Applications:**
- High temp hydraulics, steam, chemical transfer, and corrosive environment applications.

# Value Propositions

★ = Denotes point of differentiation

Value Proposition Statement	Audiences		
	OEM	Distributor	End User
Eaton's Teflon hoses out-perform rubber and thermoplastic hoses in the most demanding applications. This higher performance level provides assemblies that need replaced less often (decreasing machine downtime), can be used in a wider variety of applications, and elevate safety protecting operators , equipment, and the environment alike.			
★ Eaton uses DuPont T-62 resin which provides:			
Higher temperature ranges			
Better fluid compatibility			
Unlimited shelf life			
Low co-efficient of friction			
Non-contaminating			
FDA approved material			
Eaton offers 304 and 316 SS wire reinforcement/covers:			
Superior abrasion resistance			
Highest level of corrosion resistance			
★ Every foot of Eaton Teflon hose is factory tested to 2X the working pressure before it leaves the plant. This quality assurance gives the customer absolute confidence that Eaton's Teflon hose will perform as promised.			
★ Eaton ensures cleanliness of it's Teflon hose by using FDA approved materials and ultrasonically cleaning every length of hose produced. Clean hoses eliminate system contamination reducing system downtime and overall cost.			
FDA approved T-62 resin tubing			
Carbon black for conductive hose meets the requirements of 21CFR178.3297 for FDA compliance			
Ultrasonic cleaning of the hose after braiding			
★ S-TW and SC-TW hoses when used with E-series fittings offer 3 – 25% higher working pressure ratings when compared to Titeflex, Teleflex, and Parker offerings. This allows for reduced inventory, a higher range of application options, and a simplified product offering.			

# Tools & Collateral

## Catalog

- [Everflex® Hose and Fittings Catalog E-HOEV-MC001-E5 \(North America\)](#)
- [Teflon Hose Catalog E-HOPT-MC002-E2 \(Canada\)](#)