

**Aeroquip**

# 2807-5

**Hose** - HOSE SS TEFLON 1W SAE 100R14A

## Product Specifications

| | |
|---|---|
| Agency Listings: Government Specification | DNV, USCG/MMT |
| Agency Listings: Industry Specification | SAE 100R14A, ABS |
| Burst Pressure (bar) | 840 |
| Burst Pressure (psi) | 12000 |
| Description | PTFE |
| Family | Hose |
| General Application | Hot air, steam, compressor discharge and most chemical applications |
| Hose Base Number | 2807 |
| Inside Diameter (in) | 0.26 |
| Inside Diameter (mm) | 6.6 |
| Min Bend Radius (in) | 3 |
| Min Bend Radius (mm) | 76.2 |
| Outside Diameter (in) | 0.37 |
| Outside Diameter (mm) | 9.4 |
| Reinforcement Material | Stainless steel single wire braid |
| Vacuum (inHg) | 28 |
| Vacuum (kpa) | 94.8 |
| Weight (kg/m) | 0.12 |
| Weight (lb/ft) | 0.08 |

## Overview & Features

Conductive and non-conductive smooth bore Teflon hose products with a minimum wall thickness of 0.030”. 2807 and FC465 hoses operate at high temperatures when diverse chemical resistance is needed.

### Features

- Meets SAE 100R14A and 100R14B standards
- Operates at high temperatures
- Chemically resistant
- DuPont T-62 resin exclusively used in the Aerospace industry
- Offered in both conductive and non-conductive tube styles

## Where Used

## Aerospace

**Applications:**

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

## Data centers

**Applications:**

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

## Food and beverage

**Platforms:**

- Dispensing
- In-Plant Processing

**Applications:**

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

## Government

**Applications:**

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

## Machine building

**Platforms:**

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

**Applications:**

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

## Mining, metals and minerals

**Platforms:**

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

## Mobile machinery and equipment

**Platforms:**

- 0-40 hp
- 100+ hp
- 40-100 hp
- Aerial Work Platforms (Scissor & Boom)
- All hp
- Application Equipment
- 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 Griners and Wood Chippers
- Telehandler
- Tractors - 2WD:
- Tractors - 4WD:
- Tree Harvesters
- Trimming Equipment
- Utility Vehicles

## 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)
- Drill Systems
- Drilling Operations
- 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
- 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) Equipment Handling
- Upstream: Offshore (fixed or floater) Offloading Systems
- Upstream: Onshore Pump Jacks

**Applications:**

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

## Rail

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive envrironment 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
- Offshore
- Onshore
- Photovoltaic (PV)
- Pumped Storage
- Run Of River
- Tidal/Current
- Wave

**Applications:**

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

## Residential

**Applications:**

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

## Utilities

**Applications:**

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

- Wheeled Loader
- Yarders

**Applications:**

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

## Water and wastewater

**Applications:**

- High temp hydraulics, steam, chemical transfer, and corrosive envrironment 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 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. (OEM, Dist, End Users) | ☑ | ☑ | ☑ |
| ★ | 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 | ☑ | ☑ | ☑ |
| ★ | Eaton's 2807/FC465 hose carries many different approvals including (but not limited to) Lloyd's Register, DNV, & ABS | ☑ | ☑ | ☑ |

# Tools & Collateral

## Catalog

Aeroquip Fluid Conveyance Products Catalog A-HOOV-MC001-E2

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