**KEEPPING THE AIR WE BREATHE CLEAN**

**Design**
- Core tube is chemically resistant to urea solution
- Fabric reinforced core tube for extra strength at elevated temperatures
- Specially designed wire resistance and pitch for each hose assembly length
- Thermoplastic cover extruded over the heater wires provides chemical and abrasion resistance
- Optional heat/abrasion shield surrounds the hose for extra protection
- EPDM’s core tube volumetric expansion is used in systems without DEF fluid purge

**Advantages**
- Consistent thaw - more reliable than coolant heated lines
- Multiple options available to fit every application
  - Protective Overmolding
    - Additional protection for water ingestion and damage of electrical components
    - Bolsters fitting strength and impact resistance
- Corrugated heat shield offers abrasion resistance
- Designed in USA
- The Parflex Division is third party certified for ISO 14001 and IATF 16959

Visit [www.scrhose.com](http://www.scrhose.com) for assembly nomenclature and detailed SCR illustrations

**Parflex SCR Hose Assemblies**
Electrically Heated

Parker Hannifin Corporation
Parflex Division
1300 North Freedom St.
Ravenna, OH 44266
phone (330) 296 2871
fax (330) 296 8433
www.parker.com/pfd
Parflex SCR Hose Assemblies

With Electrically Heated SCR Hose Assemblies from Parker’s Parflex Division, a cleaner exhaust system means a cleaner environment. Designed for heating and conveying DEF (Diesel Exhaust Fluid) throughout the SCR system on commercial vehicles, Parflex hoses are made to handle both on-road and off-road applications while helping you stay Tier IV and EPA 10 compliant. Combine these hoses with other high value Parflex fluid conveyance products (pilot lines, grease lines, hydraulic hoses, etc.) and customers can enjoy best in class durability and performance.

SCR hoses are available with several different options. These include, but are not limited to: different electrical connectors, including options for heat and abrasion shield over lead wires; 1/4, 5/16, and 3/8 fittings; wide variety of lengths; 12V or 24V; etc. Parflex also has designs for other sizes and core tubes for SCR hoses. These designs ensure that Parflex hoses can be utilized on SCR systems from multiple suppliers.

- Nylon and EPDM core tubes reinforced for strength and flexibility
- Helically-wrapped heating wires
- Extruded abrasion resistant jacket
- Heated fittings with protective overmolding
  - Protection against water ingestion and damage of electrical components
  - Bolsters fitting strength and impact resistance
- Optional heat/abrasion shield
- 100% electrically tested, pressure tested, and cleaned before shipped
- Available in 12VDC, 24VDC, and unheated

### Series SCR - DEF Transfer Hose

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<th>Core Tube Material</th>
<th>I.D.</th>
<th>O.D.</th>
<th>With Heat/Abrasion Shield (optional)</th>
<th>Maximum Operating Pressure</th>
<th>Vacuum Resistance</th>
<th>Bend Radius</th>
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**Operating Parameters**
- Standard lengths available in 500 mm increments, ranging from 500 mm (0.5 m) O.A.L. through 6000 mm (6.0 m) in most configurations
- Temperature Range:
  - EPDM Temperature Range: -40°F (-40°C) to 248°F (120°C)
  - Nylon Temperature Range: -40°F (-40°C) to 248°F (120°C)

**Certifications**
- IATF 16949
- ISO 14001
- IP6X, IPX8, and IPX9K

**SCR options include, but are not limited to:**
- different electrical connectors, including options for heat and abrasion shield over lead wires;
- 1/4, 5/16, and 3/8 fittings; wide variety of lengths;
- 12V or 24V

Parflex also has designs for other sizes and core tubes for SCR hoses. These designs ensure that Parflex hoses can be utilized on SCR systems from multiple suppliers.

**THIS IS CLEANER AIR**

All Parflex SCR hose assemblies have multiple options that allow customization by the equipment manufacturer and the end user.

The process of injecting an Urea solution into the exhaust stream onto a catalyst. The injection starts a chemical reaction, changing Nitrogen Oxides to Nitrogen and Water.