KEEPING 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 ingression 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 FOR ASSEMBLY NOMENCLATURE AND DETAILED SCR ILLUSTRATIONS

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Bul. 4660-SCR 1/22

Parflex SCR Hose Assemblies

Electrically Heated

Parker

ENGINEERING YOUR SUCCESS.

Parflex SCR Hose Assemblies

THIS IS CLEANER AIR

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 ingression 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

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

Series SCR - DEF Transfer Hose

Visit the webpage

Core Tube Material	I.D.		O.D.		With Heat / Abrasion Shield (optional)		Max. Operating Pressure		Vacuum Resistance		Bend Radius	
	mm	inch	mm	inch	mm	inch	psi	bar	inch/Hg	bar	mm	inch
EPDM	4.0	.157	14.5	.571	21.0	.827	174	12.0	14.8	500	30.0	1-3/16
	5.5	.217	14.5	.571	21.0	.827	174	12.0	14.8	500	40.0	1-9/16
Nylon	6.0	.236	14.0	.551	21.0	.827	150	10.3	8.9	300	40.0	1-9/16

MANY CUSTOM OPTIONS

CONTACT PARFLEX FOR DETAILS

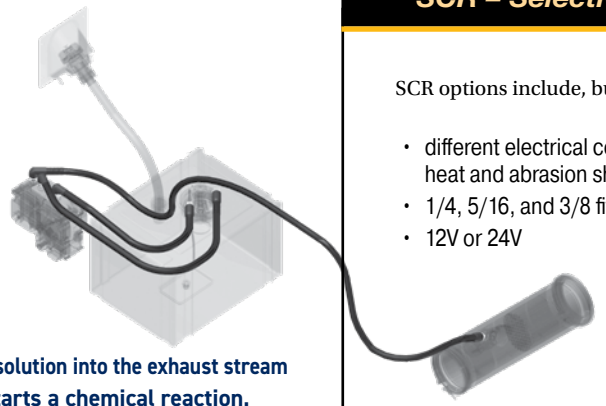
Unlike the competition's electrically heated hose, Parflex SCR hoses lock-in the heating elements with an extruded sheath for added protection and long-lasting uniform heating. The overmold on the fittings provide impact and water resistance, making the hoses suitable for multiple environments. Each configuration utilizes materials specifically formulated for their application.

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



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.

CUSTOM OPTIONS AVAILABLE

SCR – Selective Catalytic Reduction

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.

U.S. Patent No. 8,819,922