Parker Industrial Hose
Catalog 4800 October 2011
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WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

- This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.
- The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.
- To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Parker Safety Guide
for Selecting and Using Hose, Tubing, Fittings and Related Accessories
Parker Publication No. 4400-B.1
Revised: November, 2007

WARNING: Failure or improper selection or improper use of hose, tubing, fittings, assemblies or related accessories (“Products”) can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of these Products include but are not limited to:

- Fittings thrown off at high speed.
- High velocity fluid discharge.
- Explosion or burning of the conveyed fluid.
- Electrocuton from high voltage electric powerlines.
- Contact with suddenly moving or falling objects that are controlled by the conveyed fluid.
- Injections by high-pressure fluid discharge.
- Dangerously whipping hose.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion caused by static electricity buildup or other sources of electricity.
- Sparking or explosion while spraying paint or flammable liquids.
- Injuries resulting from inhalation, ingestion or exposure to fluids.

Before selecting or using any Parker hose, fittings or related accessories, it is important that you read and follow the instructions in this Industrial Hose Catalog 4800, and the Parker Safety Guide for Selecting and Using Hose, Fittings and Related Accessories, Parker Publication No. 4400-B.1, November 2007 (refer to the Safety and Technical section of this catalog). Only hose from Parker's Stratoflex Products Division is approved for in-flight aerospace applications.

Offer of Sale

Parker Hannifin Corporation, its subsidiaries or its authorized distributors hereby offer the items described in this document for sale. The provisions in the “Offer of Sale” stated on page 455 of this catalog govern this offer and its acceptance.

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## Hose Selector Guide – by application

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**NOTE:** This is a guide only. It is the responsibility of the end user to select and/or test the most appropriate product for the application. Refer to product pages for specific data. Contact Parker for additional information.

## Hose Selector Guide – by industry standard

<table>
<thead>
<tr>
<th>Industry Standards</th>
<th>API/IP 1529</th>
<th>BS/EN 1361</th>
<th>NFPA 407</th>
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<tr>
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**NOTE:** This is a guide only. It is the responsibility of the end user to select and/or test the most appropriate product for the application. Refer to product pages for specific data. Contact Parker for additional information.

Refer to pages 9-10 for a complete listing of industry standards.

See pages ii through iv for an index of all product series by series number and pages v through xv for an index by application and by series name.

For Refined Fuel/Hose Compatibility Table, refer to pages 213 and 214.

Refer to Gold Label® Aircraft Fueling Hose Catalog 4815 for additional information.

Due to continual product improvements, Parker reserves the right to alter specifications without prior notice.
GOLD LABEL®
Aircraft Fueling Hose
API/IP 1529, NFPA 407
Series 7775

Series 7775 is a flexible, lightweight, low pressure aircraft fueling hose. The hose construction and materials provide easy handling for reel service and a path to conduct a static electrical charge to ground. The premium nitrile tube minimizes permeation and will not contaminate product going through the hose, and the nitrile cover is resistant to abrasion, oil and weathering. Series 7775 is available in 200-foot continuous lengths.

NOTES: • Refer to the table on pages 213-214 for fuel compatibility and service conditions. • Refer to the Safety and Technical section of this catalog for safety, handling and use information.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>ID (in)</th>
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<th>OD (mm)</th>
<th>Approx Wt (lbs/ft)</th>
<th>Approx Wt (kg/ft)</th>
<th>Drum/Reel OD (in)</th>
<th>Drum/Reel OD (mm)</th>
<th>Max Rec WP (psi)</th>
<th>Max Rec WP (bar)</th>
<th>Max Lg (ft)</th>
<th>Stock Status</th>
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<td>7775-1500</td>
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<td>1.07</td>
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<td>381.0</td>
<td>150</td>
<td>10.3</td>
<td>200</td>
<td>Y</td>
</tr>
</tbody>
</table>

Hose Assemblies: Per customer specification; hydrostatically tested to 300 psi (20.7 bar) and certified. Available only from Parker or Parker Certified Aircraft Fueling Hose Assembly Fabricators.

* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.
** Stock: “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.
GOLD LABEL®
Aircraft Fueling Hose
API/IP 1529, NFPA 407, BS EN1361
Series 7776

Series 7776 is a high pressure hose for top deck reel and platform type aircraft fueling equipment. The hose construction and materials provide a path to conduct a static electrical charge to ground, the premium nitrile tube minimizes permeation and will not contaminate product going through the hose, and the nitrile cover is resistant to abrasion, oil and weathering. The hose is also suitable for defueling service at low pressures (suction/vacuum rating to 8 in. Hg). Series 7776 is available in 200-foot continuous lengths.

NOTES: • Refer to the table on pages 213-214 for fuel compatibility and service conditions.
• Refer to the Safety and Technical section of this catalog for safety, handling and use information.

Tube: Black nitrile
Reinforcement: Multiple textile plies
Cover: Static conductive black nitrile; wrapped finish
Temp. Range: -40°F to +180°F (-40°C to +82°C)
Brand Method: Side One: Embossed
Side Two: Black text on gold stripe
Brand Example: Side One: PARKER SERIES 7776 (ID) API/IP 1529/2005 TYPE C
GRADE 2 NFPA 407 BS EN 1361/2004 (DATE CODE) WP 2068 KPa (300 PSI)
Side Two: PARKER GOLD LABEL® AIRCRAFT FUELING HOSE
Design Factor: 4:1
Industry Standards: API 1529:2005, Type E, Grade 2; NFPA 407:2007; BS EN1361:2004
Applications: Aircraft fueling with avgas and jet fuel
Vacuum: To 8" Hg
Compare to: Contitech Elaflex HD-C; Veyance Jet Ranger & Wingcraft; Semperit 48137 APC
Packaging: Coils (bulk hose available only to Parker Certified Aircraft Fueling Hose Assembly Fabricators)

| Part Number | ID (in) | ID (mm) | Reinf Plies | OD (in) | OD (mm) | Approx Wt (lbs/ft) | Approx Wt (kg/ft) | Drum/Reel OD (in) | Drum/Reel OD (mm) | Max Rec WP (psi) | Max Rec WP (bar) | Max Lg (ft) | Stock Status ** |
|-------------|---------|---------|-------------|--------|---------|-------------------|-------------------|-------------------|-------------------|-----------------|-----------------|-------------|-----------------
| 7776-0750   | 3/4     | 19.1    | 2           | 1.378  | 35.0    | 0.57              | 0.26              | 7.5               | 190.5            | 300             | 20.7           | 200         | N             |
| 7776-1000   | 1       | 25.4    | 2           | 1.630  | 41.4    | 0.69              | 0.31              | 10.0              | 254.0            | 300             | 20.7           | 200         | Y             |
| 7776-1250   | 1-1/4   | 31.8    | 4           | 1.910  | 48.5    | 0.88              | 0.40              | 13.0              | 330.2            | 300             | 20.7           | 200         | Y             |
| 7776-1500   | 1-1/2   | 38.1    | 4           | 2.190  | 55.6    | 1.07              | 0.49              | 15.0              | 381.0            | 300             | 20.7           | 200         | Y             |
| 7776-2000   | 2       | 50.8    | 4           | 2.740  | 69.6    | 1.46              | 0.66              | 20.0              | 508.0            | 300             | 20.7           | 200         | Y             |
| 7776-2500   | 2-1/2   | 63.5    | 4           | 3.260  | 82.8    | 1.81              | 0.82              | 25.0              | 635.0            | 300             | 20.7           | 200         | Y             |
| 7776-3000   | 3       | 76.2    | 4           | 3.760  | 95.5    | 2.08              | 0.94              | 30.0              | 762.0            | 300             | 20.7           | 200         | Y             |
| 7776-4000   | 4       | 101.6   | 4           | 5.000  | 127.0   | 3.61              | 1.64              | 40.0              | 1016.0           | 300             | 20.7           | 200         | Y             |

Hose Assemblies: Per customer specification; hydrostatically tested to 600 psi (41.4 bar) and certified. Available only from Parker or Parker Certified Aircraft Fueling Hose Assembly Fabricators.

* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.
** Stock: “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.
GOLD LABEL®
Cold Temperature Aircraft Fueling Hose
API/IP 1529, NFPA 407
Series 7776CT

Series 7776CT is a low temperature, high pressure hose for top deck reel and platform type aircraft fueling equipment. The proprietary rubber compounds enable this hose to stay flexible in extreme low temperatures, and the hose construction and materials provide a path to conduct a static electrical charge to ground. The premium nitrile tube minimizes permeation and will not contaminate product going through the hose, and the nitrile cover is resistant to abrasion, oil and weathering. The hose is also suitable for defueling service at low pressures (suction/vacuum rating to 8 in. Hg).

NOTES: • Refer to the table on pages 213-214 for fuel compatibility and service conditions. • Refer to the Safety and Technical section of this catalog for safety, handling and use information.

Tube: Black nitrile
Reinforcement: Multiple textile plies
Cover: Static conductive black nitrile; wrapped finish
Temp. Range: -55°F to +180°F (-48°C to +82°C)
Brand Method: Side One: Embossed
Side Two: Gold text on green stripe
Brand Example: Side One: PARKER SERIES 7776CT (ID) API/IP 1529/2005 TYPE C-CT GRADE 2 NFPA 407 (DATE CODE) WP 2068 KPa (300 PSI)
Side Two: PARKER GOLD LABEL® AIRCRAFT FUELING HOSE

Design Factor: 4:1
Industry Standards: API 1529:2005, Type C-CT, Grade 2; NFPA 407:2007
Applications: Aircraft fueling with avgas and jet fuel in cold temperature environments
Vacuum: To 8" Hg
Compare to: Contitech Elaflex HDLT-C
Packaging: Coils (bulk hose available only to Parker Certified Aircraft Fueling Hose Assembly Fabricators)

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<tr>
<th>Part Number</th>
<th>ID (in)</th>
<th>ID (mm)</th>
<th>Reinf Plies</th>
<th>OD (in)</th>
<th>OD (mm)</th>
<th>Approx Wt (lbs/ft)</th>
<th>Approx Wt (kg/ft)</th>
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Hose Assemblies: Per customer specification; hydrostatically tested to 600 psi (41.4 bar) and certified. Available only from Parker or Parker Certified Aircraft Fueling Hose Assembly Fabricators.

* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.
** Stock: “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.
GOLD LABEL®
Jac-Riser Aircraft Fueling Hose
API/IP 1529, NFPA 407, BS EN1361

Series 7777

Series 7777 is a flexible connector hose for aviation fuel supplied through an adjustable elevated aircraft service platform, called a Jac-Riser, connected to a mobile dispenser cart that is supplied by an in-ground hydrant system. The hose construction and materials provide a path to conduct a static electrical charge to ground, and the dual wire helix provides flexibility, kink resistance and full suction capability for both fueling and defueling/unloading service. The premium nitrile tube minimizes permeation and will not contaminate product going through the hose, and the nitrile cover is resistant to abrasion and oil. Series 7777 is available in 200-foot continuous lengths.

NOTES:  • Refer to the table on pages 213-214 for fuel compatibility and service conditions.  
• Refer to the Safety and Technical section of this catalog for safety, handling and use information.

Tube: Black nitrile
Reinforcement: Multiple textile plies with dual wire helix
Cover: Static conductive black nitrile; wrapped finish
Temp. Range: -40°F to +180°F (-40°C to +82°C)
Brand Method: Side One: Embossed 
Side Two: Black text on gold stripe
Brand Example: Side One: PARKER SERIES 7777 (ID) API/IP 1529/2005 TYPE E GRADE 2 NFPA 407 BS EN 1361/2004 (DATE CODE) WP 2068 KPa (300 PSI) 
Side Two: PARKER GOLD LABEL® AIRCRAFT FUELING HOSE
Design Factor: 4:1
Industry Standards: API 1529:2005, Type E, Grade 2; NFPA 407:2007; BS EN1361:2004
Applications: Aircraft fueling and defueling/unloading with avgas and jet fuel
Vacuum: Full
Compare to: Contitech Elaflex TW; Eaton Carter 64405; Semperit 56132 TAPE
Packaging: Coils (bulk hose available only to Parker Certified Aircraft Fueling Hose Assembly Fabricators)

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<thead>
<tr>
<th>Part Number</th>
<th>ID (in)</th>
<th>ID (mm)</th>
<th>Reinf Plies</th>
<th>OD (in)</th>
<th>OD (mm)</th>
<th>Approx Wt (lbs/ft)</th>
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Hose Assemblies: Per customer specification; hydrostatically tested to 600 psi (41.4 bar) and certified. Available only from Parker or Parker Certified Aircraft Fueling Hose Assembly Fabricators.

* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

** Stock: “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.
Deadman Twin Sensing Hose
Red / Green
Series 7139

Series 7139 is a flexible air hose incorporated in pneumatic closed-circuit control systems to prevent fuel spills during aircraft fueling operations. The hose is connected to air-actuated shut-off valves that are controlled by the aircraft fueling operator at all times during fueling operations. Series 7139 hose lines are chemically bonded to prevent separation and maximize flexibility, and the distinctive red/green covers provide color-coded identification. The hose features a nitrile tube that is resistant to oil and a chloroprene cover that is resistant to oil and weathering.

NOTE: Do not use for welding service.

Tube: Black nitrile
Reinforcement: Multiple textile plies
Cover: Red and green chloroprene; smooth finish
Temp. Range: -30°F to +200°F (-34°C to +93°C)
Brand Method: White ink on red hose
Brand Example: PARKER SERIES 7139 DEADMAN TWIN HOSE 1/4 ID 200 PSI MAX WP MADE IN USA (DATE CODE)
Design Factor: 4:1
Industry Standards: None applicable
Applications: Air hose incorporated in pneumatic closed-circuit control systems associated with aircraft fueling operations
Vacuum: Not rated
Compare to: Carter 64406; Veyance Deadman Aircraft Refueling

<table>
<thead>
<tr>
<th>Part Number</th>
<th>ID (in)</th>
<th>ID (mm)</th>
<th>OD (in)</th>
<th>OD (mm)</th>
<th>Approx Wt (lbs/ft)</th>
<th>Approx Wt (kg/ft)</th>
<th>Min Bend Rad (in)</th>
<th>Min Bend Rad (mm)</th>
<th>Max Rec WP (psi)</th>
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<th>Perm Cplg Rec</th>
<th>Std Pack Qty (ft)</th>
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* Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.
** Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

⚠️ WARNING! Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.
Twin Sensing Hose
Yellow / Green
Series 7140

Series 7140 is a flexible air hose for aircraft fueling systems that incorporate in-ground hydrants commonly found at large metropolitan airports. Twin sensing hose operates between the vehicle dispenser control system and the hydrant coupler/control valve, supplying data to monitor the flow and pressure of fuel being pumped into the aircraft. Series 7140 hose lines are chemically bonded to prevent separation and maximize flexibility, and the distinctive yellow/green covers provide color-coded identification. The hose features a nitrile tube that is resistant to oil and a chloroprene cover that is resistant to oil and weathering.

**Tube:** Black nitrile
**Reinforcement:** Multiple textile plies
**Cover:** Yellow and green chloroprene; smooth finish
**Temp. Range:** -30°F to +200°F (-34°C to +93°C)
**Brand Method:** White ink on green hose
**Brand Example:** PARKER SERIES 7140 TWIN SENSING HOSE 3/8 ID
250 PSI MAX WP MADE IN USA (DATE CODE)
**Design Factor:** 4:1
**Industry Standards:** None applicable
**Applications:** Air hose incorporated in pneumatic closed-circuit control and data systems associated with aircraft refueling operations
**Vacuum:** Not rated
**Compare to:** Carter 64407; Veyance Refueling Sensing

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*/ Couplings: Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.
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