

Petroleum - Aircraft



Hose Selector Guide – by application

Series	Trademark	Hose Application / Construction / Selector Guide	Tube	Cover	Size Range (in)	Pressure Range (psi)	Temp Range (°F)	API/ IP 1529	BS/ EN 1361	NFPA 407	Page No.
7139		Twin sensing, green/red	Nitrile	Chloroprene	1/4	200	-30 / +200				181
7140		Twin sensing, green/yellow	Nitrile	Chloroprene	3/8	250	-30 / +200				182
7775	GOLD LABEL®	Discharge, low pressure	Nitrile	Nitrile	3/4 - 1-1/2	150	-40 / +180	•		•	177
7776	GOLD LABEL®	Discharge, high pressure	Nitrile	Nitrile	3/4 - 4	300	-40 / +180	•	•	•	178
7776CT	GOLD LABEL®	Discharge, high pressure, cold temperature	Nitrile	Nitrile	1 - 4	300	-55 / +180	•		•	179
7777	GOLD LABEL®	Jac-riser, suction/discharge	Nitrile	Nitrile	2 - 4	300	-40 / +180	•	•	•	180

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

Industry Standards	API/IP 1529	BS/EN 1361	NFPA 407
Hose Series	7775	7776	7775
	7776	7777	7776
	7776CT		7776CT
	7777		7777

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.

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.

- 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 7775 (ID) API/IP 1529/2005 TYPE C GRADE 1 NFPA 407 (DATE CODE) WP 1034 KPa (150 PSI)
Side Two: PARKER GOLD LABEL® AIRCRAFT FUELING HOSE
- Design Factor:** 4:1
- Industry Standards:** API 1529:2005, Type C, Grade 1; NFPA 407:2007
- Applications:** Aircraft fueling with avgas and jet fuel
- Vacuum:** Not recommended
- Compare to:** Veyance Advantage
- 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 **
7775-0750	3/4	19.1	2	1.378	35.0	0.57	0.26	7.5	190.5	150	10.3	200	N
7775-1000	1	25.4	2	1.630	41.4	0.69	0.31	10.0	254.0	150	10.3	200	Y
7775-1250	1-1/4	31.8	4	1.910	48.5	0.88	0.40	13.0	330.2	150	10.3	200	N
7775-1500	1-1/2	38.1	4	2.190	55.6	1.07	0.49	15.0	381.0	150	10.3	200	Y

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.

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** **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.

- 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 TAPC
- 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.

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** **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).

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)

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 **
7776CT-1000	1	25.4	2	1.690	42.9	0.67	0.30	10.0	254.0	300	20.7	100	Y
7776CT-1250	1-1/4	31.8	2	1.940	49.3	0.81	0.37	13.0	330.2	300	20.7	100	Y
7776CT-1500	1-1/2	38.1	4	2.190	55.6	0.97	0.44	15.0	381.0	300	20.7	100	Y
7776CT-2000	2	50.8	4	2.710	68.8	1.23	0.56	20.0	508.0	300	20.7	100	Y
7776CT-2500	2-1/2	63.5	4	3.190	81.0	1.40	0.64	25.0	635.0	300	20.7	100	Y
7776CT-3000	3	76.2	4	3.690	93.7	1.70	0.77	30.0	762.0	300	20.7	100	Y
7776CT-4000	4	101.6	6	4.850	123.2	2.70	1.22	40.0	1016.0	300	20.7	100	N

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.

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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.

- 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)

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Max Lg (ft)	Stock Status **
7777-2000	2	50.8	4	2.720	69.1	1.61	0.73	8.0	203.2	300	20.7	200	N
7777-2500	2-1/2	63.5	4	3.290	83.6	2.29	1.04	10.0	25.0	300	20.7	200	N
7777-3000	3	76.2	4	3.930	99.8	3.15	1.43	12.0	304.8	300	20.7	200	Y
7777-4000	4	101.6	4	4.980	126.5	4.44	2.01	16.0	406.4	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.

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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
- Packaging:** Reels

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7139-251	1/4	6.4	2	0.531	13.5	0.19	0.09	2.0	50.8	200	13.8	*	800	Y

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** **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
- Packaging:** Reels

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7140-381	3/8	9.5	2	0.656	16.7	0.29	0.13	3.0	76.2	250	17.2	HY	700	Y

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** **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.](#)