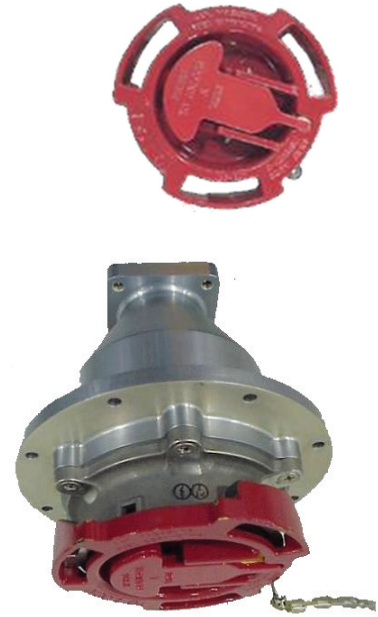


Pressure Refuel Cap

Parker Aerospace pressure refuel caps are used to lock, seal, and vent the pressure refuel port for an aircraft fuel tank. Pressure refueling allows for single point refueling on larger aircraft. Parker's pressure refuel cap is designed in accordance with military specification MIL-C-8605B (for technical requirements) and MS29526-2 (for envelope requirements). The cap can be used with all aircraft fuels, and also features an aluminum base and handle, a fluorosilicone O-ring seal, and anti-sparking brass chain lanyard (per industry standard RR-C-271) with a plastic tubing cover and corrosion resistant steel hooks. Lanyards can also be fabricated with corrosion-resistant steel or flexible plastic and fuel resistant tubing.

Parker Aerospace pressure refuel caps are 4.5 inches diameter, with an indexing feature. They fit into a 2.5-inch pressure refuel adapter per military specification MS24484. To fuel the aircraft, the caps are manually actuated by pressing down on the handle, which will vent and unlock the cap for removal by twisting. The cap remains attached to the aircraft by a lanyard. Once refueling is complete, the cap is inserted back onto the adapter and twisted until locked into place, which effectively reseals the pressure refuel port.



Product Features

Parker Aerospace gravity filler caps, both indexing and non-indexing, are three inches in diameter. To fuel the aircraft, the caps are manually actuated by lifting and turning the handle, which will vent the fuel tank. The cap is then removed from its mating adapter, at which time the aircraft can be refueled. The cap remains attached to the aircraft by a lanyard. Once refueling is complete, the cap is inserted back into the adapter and handle is actuated back to closed position, which effectively reseals the gravity fill refuel port.

- Lightweight aluminum base and handle
- Fluorosilicone o-ring seal
- Polyurethane lanyard
- Available as Lightning Safe® application
 - Lightning protection, ignition prevention, and pump and vent protection

Specifications

Designed in accordance with MIL-C-38373B and MS29526-2.

Cap diameter	4.5"
Mates with adapter	Per MS27379
Pressure	
- Operating	60 psig
- Proof	120 psig
- Burst	180 psig
Installation torque on handle	50 in-lbs or less
O-ring seal conforms	Per MS33666
Attachment for lightning safe caps (polyurethane lanyard)	Will withstand a 40-lb pull test
Non-lightning-safe caps have lanyards of varied material and type	
For use with all aircraft fuels and temp ranges	-67°F to 135°F and 158°F ambient

Applications

- For use with all aircraft fuels
- Ignition prevention to prevent explosions
- Meets or exceeds military specifications: MIL-C-8605B (technical requirements), MS29526-2 (envelope requirements), RR-C-271 (anti-sparking lanyard), and MS24484 (pressure refuel adapter)

Optional Features

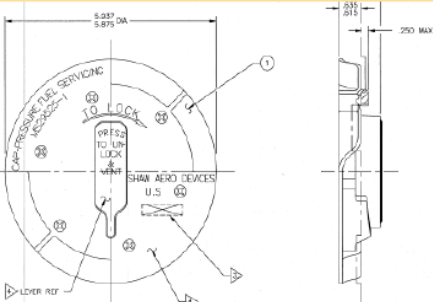
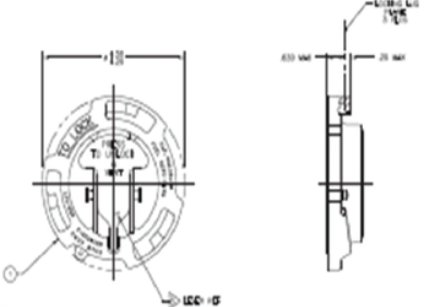
- Key lock
- Vented
- Hinged
- Visual fluid level indicator
- Dust cover
- Easy-lift handle
- Contoured adapter

Contact Information

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 Phone: (239) 304-1000
 Fax: (239) 304-1065
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Fuel: Pressure Caps

A partial listing of our fuel gravity filler caps is provided in the table below. More information is available upon request.

PRESSURE CAPS			
Part Number	Size	Style	Envelope
488-12	2.5"	Flush	
488-347	2.5"	Non-flush	

Fuel: Pressure Adapters

A partial listing of our fuel gravity adapters is provided in the table below. More information is available upon request.

PRESSURE ADAPTERS			
Part Number	Size	Options	Envelope
488-119	2.5"		<p>Technical drawing of pressure adapter 488-119. The top view shows a circular flange with four bolt holes and a central opening. The side view shows a cylindrical body with a central inlet and a bottom outlet. Callouts include: 'EXTR. THICK. REF.', '2.5" DIA. THRU. COIL. HOLES X .075 DIA. (MILITARY SPEC. 23217) 1/4" ± .005', '2.5" DIA. HOLES IN/TO HOLES AT 1.25" DIA. REF.', '1.25" DIA. HOLES IN/TO HOLES AT 1.25" DIA. REF.', and '2.5" DIA. HOLES IN/TO HOLES AT 1.25" DIA. REF.'.</p>
488-424	2.5"	Adapter housing with MS33786-24 fitting	<p>Technical drawing of pressure adapter 488-424. The side view shows a cylindrical body with a central inlet and a bottom outlet. The top view shows a circular flange with four bolt holes and a central opening. Callouts include: '2.5" DIA. HOLES IN/TO HOLES AT 1.25" DIA. REF.', '2.5" DIA. HOLES IN/TO HOLES AT 1.25" DIA. REF.', and '2.5" DIA. HOLES IN/TO HOLES AT 1.25" DIA. REF.'.</p>
488-401	2.5"	Adapter housing with two four-bolt outlet flanges	<p>Technical drawing of pressure adapter 488-401. The top view shows a circular flange with four bolt holes and a central opening. The side view shows a cylindrical body with a central inlet and two bottom outlets. Callouts include: 'EXTR. THICK. REF.', '2.5" DIA. THRU. COIL. HOLES X .075 DIA. (MILITARY SPEC. 23217) 1/4" ± .005', '2.5" DIA. HOLES IN/TO HOLES AT 1.25" DIA. REF.', '1.25" DIA. HOLES IN/TO HOLES AT 1.25" DIA. REF.', and '2.5" DIA. HOLES IN/TO HOLES AT 1.25" DIA. REF.'.</p>

Fuel: Gravity Adapters

Part Number	Flange Diameter	Bolt Holes	Style	Options	Envelope
457-1644	7.00"	12 x .192 diameter on 5.50" B.C.	Cylindrical radius	10-32 UNJF-3B self-locking floating nut plates	<p>Technical drawing of part 457-1644. The top view shows a circular flange with a diameter of 7.00 inches and 12 bolt holes arranged in two concentric circles. The bolt holes have a diameter of .192 inches and are spaced 5.50 inches apart (B.C.). The drawing includes dimensions for the bolt hole positions and a side view labeled 'SECTION A-A' showing the cylindrical radius and the location of the nut plates.</p>
457-2029	5.50"	12 x .247 diameter on 4.75" B.C.	Radiused	Anti-siphon on adapter with 10-32 UNJF-3B self locking floating nut plates	<p>Technical drawing of part 457-2029. The top view shows a circular flange with a diameter of 5.50 inches and 12 bolt holes arranged in two concentric circles. The bolt holes have a diameter of .247 inches and are spaced 4.75 inches apart (B.C.). The drawing includes dimensions for the bolt hole positions and a side view labeled 'SECTION A-A' showing the radiused edge and the location of the nut plates. A note indicates 'ANTI-SIPHON ON ADAPTER'.</p>
416-3B1	4.45"	12 x .280 diameter on 4.75" B.C.	Flat	Counter-sunk holes, high-polish, screen, full level indicator	<p>Technical drawing of part 416-3B1. The top view shows a circular flange with a diameter of 4.45 inches and 12 counter-sunk bolt holes arranged in two concentric circles. The bolt holes have a diameter of .280 inches and are spaced 4.75 inches apart (B.C.). The drawing includes dimensions for the bolt hole positions and a side view labeled 'TOP OF FULL INDICATOR' showing the high-polish surface, screen, and full level indicator.</p>