



Nozzles designed to fuel tomorrow's clean energy vehicles



# THE JC CARTER LNG NOZZLE SMALL SINGLE LINE CRYOGENIC COUPLING

- » The only small cryogenic coupling available in the industry
- » One motion mating for connection and operation
- » World-renowned JC Carter customer service
- » Built-in safety "shut-off" valve feature



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# Small Single Line Cryogenic Coupling

## PN 50E722 and PN 50E721

### DESCRIPTION

The redesigned JC Carter Single Line Cryogenic Fuel Coupling is designed for no-vent fueling stations. New seals and poppet ensure problem-free operation. The coupling is connected to the receptacle and activated through a 1/4 turn motion.

The receptacle mounts on the tank of the LNG fueled vehicle. For added safety, both the coupling and receptacle incorporate independent shut-off valves which prevent LNG flow if forced separation occurs.

### FEATURES

- » One motion mating for connection and operation
- » Compact, lightweight design
- » Patented sealing orientation prevents leakage while fueling
- » Sturdy construction designed to survive harsh fleet fueling facility environment
- » Fewer parts allows easy maintenance

### LNG COUPLING APPLICATIONS

- » Fluid Compatibility - LNG, Methane, LN2, many other cryogenic fluids
- » Bus Air Venting
- » Garbage Truck Air Venting
- » Ideal for Future Small LNG Vehicles

### SPECIFICATIONS

Rated Flow.....10 GPM  
 Max Refueling Pressure.....250 PSIG  
 Max Working Pressure.....500 PSIG  
 Burst Pressure.....1500 PSIG  
 Spillage on Demating.....< 1 cc  
 Storage Temp.....-60° F to 120° F  
 Operating Temp.....-320° F to 120° F  
 Leakage while Fueling.....None

#### Nozzle

Weight.....1.2 lbs  
 Port Size.....1/2" NPTF  
 Material of Construction.....Stainless Steel, Aluminum, Brass

#### Receptacle

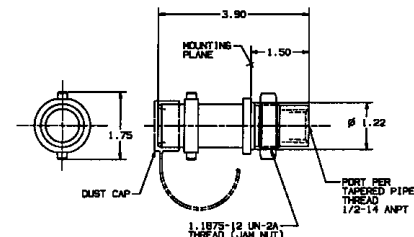
Weight.....0.4 lbs  
 Port Size.....1/2" NPTF  
 Material of Construction.....Stainless Steel, Brass



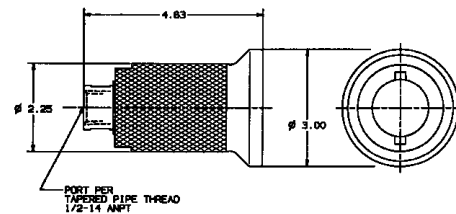
PN 50E722  
10 GPM LNG Nozzle



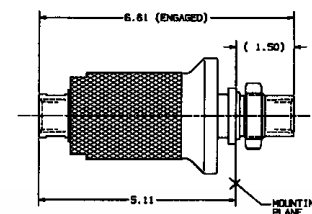
PN 50E721  
10 GPM LNG Receptacle



Receptacle 50E721



Nozzle 50E722



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