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# CryoMac® 4 LNG Fueling Nozzle

## Maximum safety for LNG fuel technology



Patented nozzle safety feature is recognized in the market as a major failsafe advantage for the operator.



### **DURABILITY** ✓

Ball cage interface with receptacle adapter ring guides and locks the nozzle in place for optimum engagement and user interface to increase environmental seal life.



### ✓ **SAFE**

**“Safety Stop”** for added safety and operator protection.



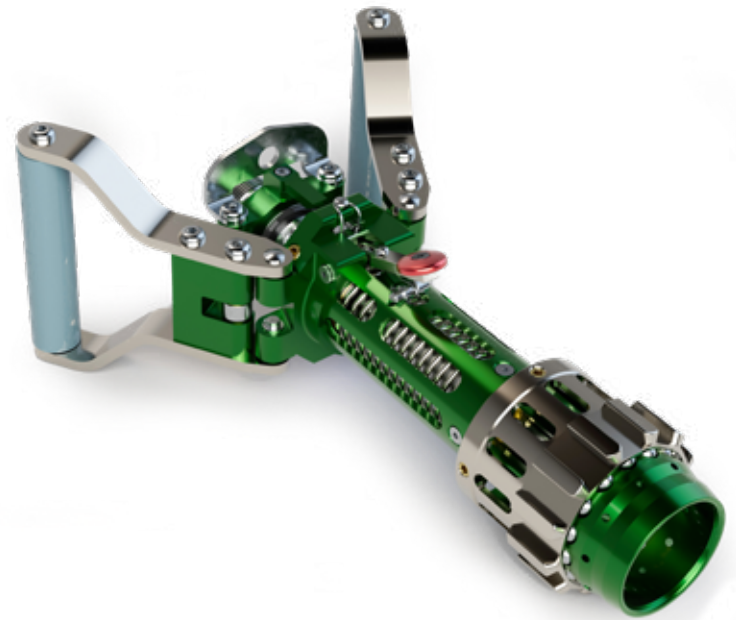
# CryoMac® 4 LNG Fueling Nozzle

## Application

The CryoMac 4 is a high technology LNG fueling nozzle with a unique patented nozzle safety stop feature to guarantee safe operation and prevent kickback if prematurely disengaged prior to venting. The new ball cage interface with receptacle adapter ring guides and locks the nozzle in place for optimum engagement to increase seal life.

## Features

- Fluid Compatibility: LNG, Methane and LN2
- Maximum Pressure: 500 psig (34.5 barg)
- Burst Pressure: greater than 1,500 psig (103.5 barg)
- Rated Flow: 50 GPM @ 250 psig (LNG)
- Nozzle Weight: 10.3 lbs (4.7 kg)
- Port Size: 1" Male SAE 37 degree flare (SAE J514) (1 5/16 -12 thd.)
- Operating Temperature: -320°F to +140°F / -195°C to 60°C
- 3rd Party KIWA Testing in accordance with ISO 12617
- 100% pressure tested.
- "Safety Stop" does not release until triggered after venting trapped gas and before disconnecting the nozzle for added safety and operator protection.
- Compatible with various receptacle designs in compliance with ISO 12617
- Ball bearing design helps properly align and engage the nozzle onto the receptacle to properly open the receptacle poppet and prevent damage to the sealing surface, thereby reducing the probability of leakage.
- Enhanced service life of environmental seal achieved through ball cage interface with receptacle adapter ring to guide and lock the nozzle in place for optimum engagement and user interface; PCTFE seat used for higher strength and lasting durability.
- Designed to prevent freezing onto the receptacle utilizing non-metallic bearings, air gaps and insulation.
- Easy access for maintenance on the receptacle end seal, poppet assembly and seat.



**CryoMac 4**

## CERTIFIED

According to ISO 12617 approved product as specified by ISO 16924  
Natural gas fueling stations – LNG stations for fueling vehicles



**II 2G**  
**Ex h IIA T3 Gb**

ATEX

Designed, tested and marked in accordance with ATEX directive 2014/34/EU



## Materials

Seat ..... PCTFE  
 Poppet Body ..... Brass  
 Spring ..... Stainless Steel or Spring Wire  
 Probe ..... Stainless Steel  
 Tube ..... Stainless Steel  
 Fitting ..... Stainless Steel  
 Housing ..... Aluminum

## Ordering Information

Part Number	Inlet Connection	Handle Length, in. (mm)
<b>CryoMac4-50M</b>	SAE J514 ( 37° Flare JIC)	7.5 (191)

