

# IMC-6000

## LNG FUELING SYSTEM

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### LNG Fueling System

Chart's IMC-6000 fuel station is self-contained, pre-assembled and tested. The system is mounted inside a standard 40-foot ISO container and provides the following advantages:

- Quick installation – no field welding required
- Seismically stable – system requires minimal foundation
- Lockable container doors provide station security
- Suitable for either temporary or permanent locations
- Can be easily relocated for future requirements

### PRODUCT HIGHLIGHTS

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- Inner vessel – stainless steel
- Outer vessel – carbon steel
- Insulation – multi-layer super-insulation with high performance vacuum
- Submerged pump capable of dispensing 30-40 GPM at 210 psig discharge and offloading LNG from transport
- Weights and Measures-approved metering system
- Integrated LNG saturation system (typical saturation time is less than 30 minutes)
- Integral gas and heat detection monitors and emergency stops
- Primary spill containment integral to the ISO container
- Skid-mounted PLC/alarm panel with control air compressor
- Required NFPA placarding attached to container
- Two fire extinguishers and fueling personnel safety equipment included
- Offload hose included to allow for two hose LNG transfer to IMC storage without venting



*Innovation. Experience. Performance.®*

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SPECIFICATIONS	
LNG Capacity (at 10% ullage)	5,523 US Gallons / 20,906 Liters
Maximum Allowable Working Pressure	175 psig / 12.07 bar
Length (of ISO container)	40 ft / 12.192 m
Width (of ISO container)	8 ft / 2.438 m
Height (of ISO container)	8.5 ft / 2.591 m
Weight (tare)	37,000 lbs / 16,783 kg
Required Site Electrical	380 to 480VAC, 50 to 60Hz, 3 phase, 100 amp
Design Codes	ASME Section VIII Division 1 NFPA 52 California Title 8
Electrical Design Codes	NFPA 70 UL NEMA

### SPECIFIC COMPONENT SPECIFICATIONS

- J.C. Carter® or Parker Kodiak® quick-connect fill fitting
- Macro-Tech® quick-connect vent fitting
- General Monitors® gas monitoring system, FM and ATEX approved
- Fenwal® heat detectors, FM and UL approved
- Siemens® differential pressure transmitter, FM approved
- Burns® resistance temperature detector, FM approved
- Jenny Fan,® UL listed
- Rosemount Flowmeter,® FM approved
- Crouse Hinds® light fixture and switch, UL listed
- Neo-dyn® differential pressure switch, UL listed
- Adelet® junction boxes, UL listed

