

# DynaLNG



Dual nozzle dispenser  
for safe, fast and  
reliable fueling of LNG  
and bio-LNG vehicles





DynaLNG is a dual nozzle dispenser for LNG and bio-LNG fueled vehicles, incorporating the latest generation Flow Instruments' information management and computer systems for the complete fueling experience.

### Replicates the diesel fueling experience

The first LNG/bio-LNG dispenser on the market that is as easy to use as its diesel counterpart.

### Maximum accuracy

Real-time dynamic density measurement assures precise flow reporting.

### Easy to use

Every dispenser is equipped with a quick-connect nozzle and compressed air cleaning connection, with clear and simple instructions for use.

### Safe and ergonomic design

Side mounted nozzles and filling from both sides. Maximized operator safety and comfort. Automatic self grounding.

### Continuous operation

Chart superior vacuum technology ensures ice-free fueling.

### Return Flowmeter

Measures the gas returned from the fuel tank back to the storage tank.

### Digital connectivity

Allows remote monitoring of station performance and facilitates predictive maintenance.

### Customer branding

Plinth, skid or island mounted.

### Complies fully with ATEX safety requirements

### Engineered and built in India with comprehensive after sales and service network

#### Key facts:

- Average empty to full truck fueling time of only 3 min (150 litres/minute flow rate)
- Measurement accuracy better than 1.5% as per OMIL R117 standard
- Can be supplied as part of a mobile or stationary LNG fueling station
- PESO and W&M approved
- Digital display
- Boil-off gas recycling eliminates emissions during normal use

## Specifications

### Measuring system

dp-metering system	Flowcom 3000
Metering section	SWM 33.7 × 2.6 -12-1773
Flow range	16–80 kg/min (standard LNG)
Density range	300–800 kg/m <sup>3</sup>
Calculator system	SMD Systems SG-22
Communication to POS	RS – 485

### Operating conditions

Temperature	-20 ≤ Tamb ≤ +50°C
Humidity	5–95 % (non condensing)
Vessels and Installation code	PED
Ex-Proof according to	ATEX 2014/34/EU Ex-zone in dispenser “pneumatic/piping” enclosure Ex-Zone 1 electronic box Ex-p.
CDA hose /nozzle	for purging/cleaning of the gas and liquid nozzles
Safety gas return hose	½” stainless steel hose, 2 m length with gas nozzle
Dispense hose	1” stainless steel hose, 2 m length with liquid nozzle

### General information

Enclosure Material	Stainless steel, white powder coated
Water / Dust protection	Electronic section: IP54 / Flow meter section: IP44
Dispenser dimensions	Footprint: 1,285mm × 500 mm / Height: 2,500 mm / Base height: 60 mm
Power supply	230 VAC 50 Hz



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