



LNG DISPENSER



DISTRIBUTION
CRYOSTAR

★ Dispenser ID Meaning

DISP (Cryostar dispenser)	/	100 (Flow meter size)
Applications	Refueling of LNG vehicles	
Compatible gases	Liquefied natural gas or biogas	
Type of LNG or LBG	Cold (3 bar) and saturated (6/8 bar) LNG	
Max. flow	170 l/min / 45 GPM	
Max. service pressure	Up to 20 bar / 290 psi	
Weights and measures certifications	MID (Europe) / NMI (Australia-Asia) / NTEP (North America)	
Power requirements	24VDC, and 230VAC (for heaters)	



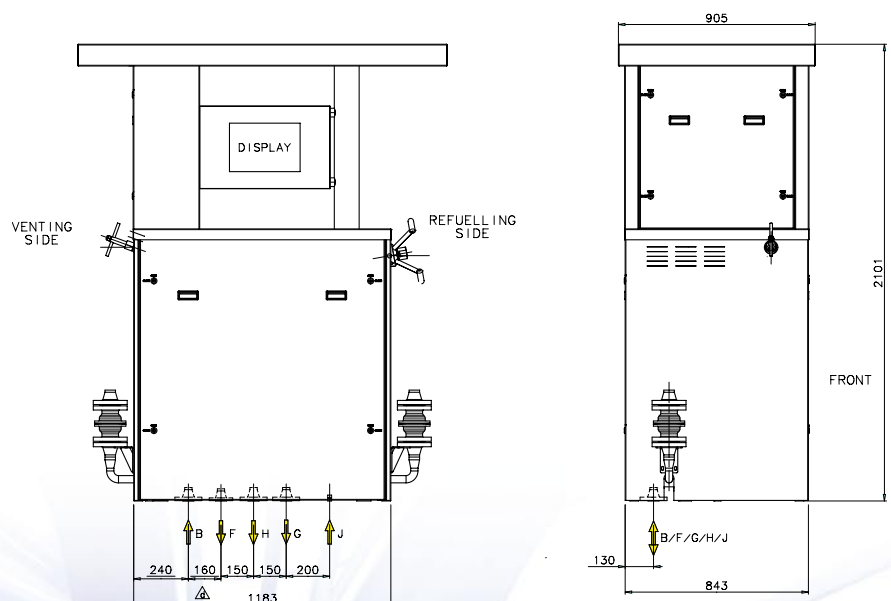
★ Dimensions

★ Test Procedure

Each dispenser is electrically and mechanically pre-tested. On site performance test validates that the process performances of the refuelling stations are met.

★ Quality

- ISO 9001, TÜV + CE + Ex
- ISO 9001-2000 + ISO 14001
- PED 97/23/CE
- ATEX (ref)
- IECEX
- UL & NFPA





★ Features

Plug and play design compatible with Cryostar standard LNG pump skid without further line equipments to be added

High accuracy measurement (99,5% through CORIOLIS flow meter) and possibility of weights and measures approval of the dispenser

Fully equipped with fuelling and venting hoses, nozzles, and break-away systems

Fully automatic vehicle boil-off gas recovery line ensuring close to zero venting to atmosphere

Refuelling is achieved either by low flow signal, or high pressure. Thus ensuring double safety against over fuelling

Heated nozzle receptacles ensuring minimum ice building when extensive use is required

High safety level ensuring easy and safe operation

- ★ Collector for safety valves redirected to the station storage tank
- ★ Grounding of the entire dispenser and the vehicle tank during fuelling
- ★ Use of explosion proof equipments for zone 1/Division I enclosure
- ★ Special insulated flexible hoses in order to avoid cold burning for the operator



- ★ The dispenser is designed following strongest safety regulation such as ATEX, IECEx, NFPA, or UL codes
- ★ Integrated air instrument purge gun in order to clean the nozzle before connection
- ★ Digital display with total price, total volume, and price per Kg indication
- ★ The dispenser electronics is ready to be connected to a payment system. Different communication protocols are available
- ★ Possibility to choose between cold and saturated fuel and single or dual hose operation
- ★ Easy operation which requires minimum training for user
- ★ Specific PLC technology allowing remote maintenance and trouble shooting by Cryostar support team

★ Options

- ★ Weights and measures approved dispenser (MID, NTEP on demand, NMI)
- ★ Single or dual hose dispenser
- ★ Cold and saturated fuel refuelling management
- ★ Heated receptacles
- ★ Different type of refuelling nozzles available (Parker Kodiak, J.C Carter, Macrotech)
- ★ Possibility to customize the dispenser according to specific requirement

For more details please contact your local Cryostar representative



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