



LCNG PUMP SKID

ATEX classification 94/9/CE   **II 2G IIB T2.**

The pump is delivered skid mounted ready to be installed to the storage tank on its suction side, and the vaporizers on the discharge side. The skid is delivered complete with a large range of options for enhanced performances and safety of operations.

Service conditions

Medium	LNG	
Flow	5 to 24,5	l/min (300-865 Nm ³ /h)
Max Discharge pressure	350	bar g
Max Suction pressure	15	bar g
Min Suction pressure	0.7	bar g
NPSH	< 1	meter

Motor data

Power	up to 30 kW (suitable for variable speed)
Voltage, Ph, Frequency	400V ,50HZ , 3 ph + N

Enclosure **EE x dII CT4**

Standard scope of supply

Vacuum insulated cold end mounted on oil lubricated crank drive, electric motor and drive system with protection cover switch mounted on a stainless steel base plate.

For the safest and most efficient use, the following accessories and instrumentation are selected as a standard:

- ✓ Suction and return flexible lines
- ✓ Suction filter incorporated in the cylinder
- ✓ Low pressure relief valve on return line (set at 16bar in standard)
- ✓ High pressure relief valve
- ✓ Pulsation damper
- ✓ None return valve
- ✓ PT100 temperature probe (Ex-proof construction) fitted in the return line to validate pump start
- ✓ PT100 temperature probe (Ex-proof construction) fitted on the discharge line in order to prevent any dry-running of the pump
- ✓ PT100 temperature probe (Ex-proof construction) at the intermediate part in order to detect any leakage
- ✓ PT 100 temperature probe fitted in the crank drive to check the temperature of the oil in order to stop the pump in case of overheating.
- ✓ Purge system consisting of a pressure reducer, a flow meter and a filter, installed on the skid and ready to be connected to a dry N₂ source, in order to purge the crank drive and the intermediate piece in order to avoid ice building
- ✓ N₂ purge connections at the pump packing
- ✓ Junction box and emergency stop push button
- ✓ Cable trays
- ✓ Collector for vents (to be connected to an exhaust piping)