P8.1 OXYVAC-LNG-RGF-PRMS

oxyvacindia@gmail.com
www.oxyvacindia.com
9726024747

OXY VAC India Works
Designing a Customized Solution for Gas Industries

LNG Re-Gasification, Pressure Reducing and Metering Skid

Important

This Equipment should be operated & maintained only by technicians who are suitably trained, experienced with Natural Gas plant and fully conversant with the specifications.

In pursuing a policy of continuous improvement, the company reserves the right to alter the specification of any product without prior notification

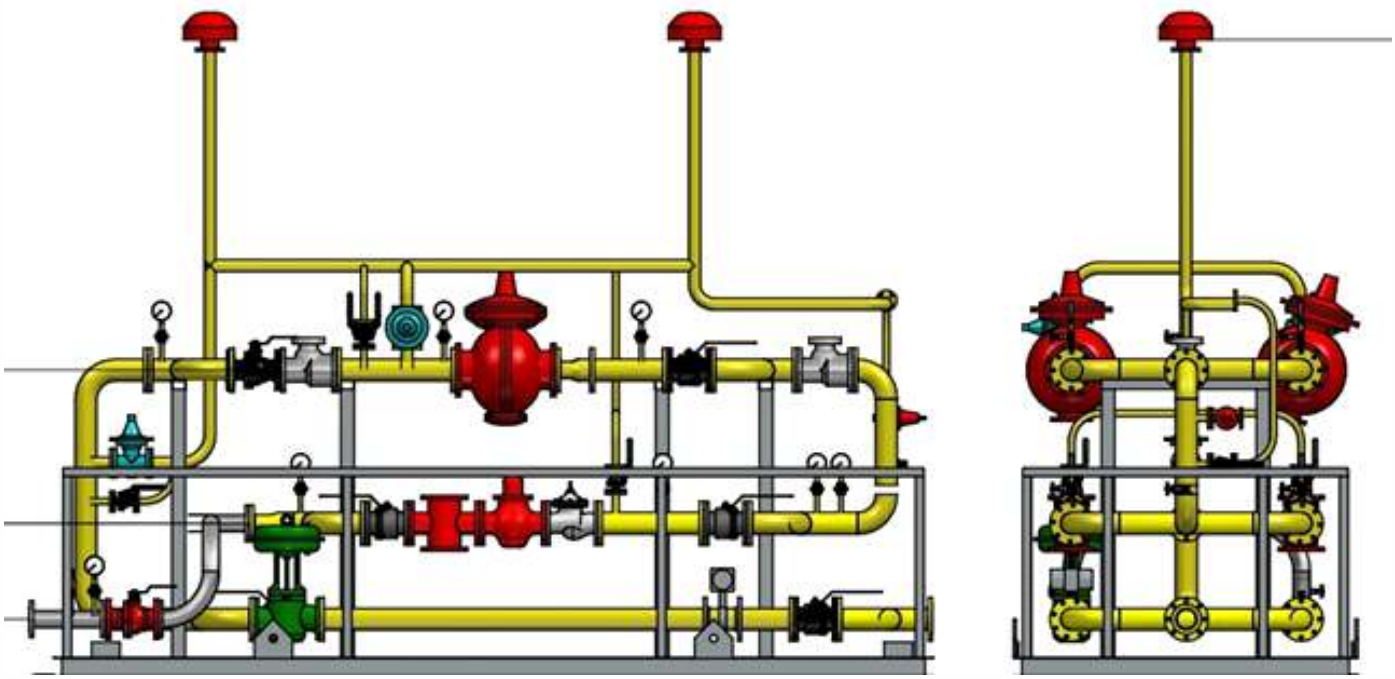
Description

General

The components and equipments being installed is reputed make and the equipments shall conform in all respects to high standards of engineering, design, workmanship and shall meet all requirements as per the relevant standards.
All the components and equipments will also meet the Technical Standards/Specifications.

Item Description	LNG REGASIFICATION AND PRMS
Supply Delivery Point	FLANGED ANSI B16.5
Design Codes	ASME B31.8, ASME Sec. VIII Div.1, EN and PESO GCR rules 2016
Design Life	15 Years, as per SMPV rules
Material of Construction – PRS	SS304/A 106 Gr. B
MAWP Pressure Reducing Station	0-49 Bar G

The line diagram of the LNG Re-gasification and Pressure reducing skid is shown in Fig.1.

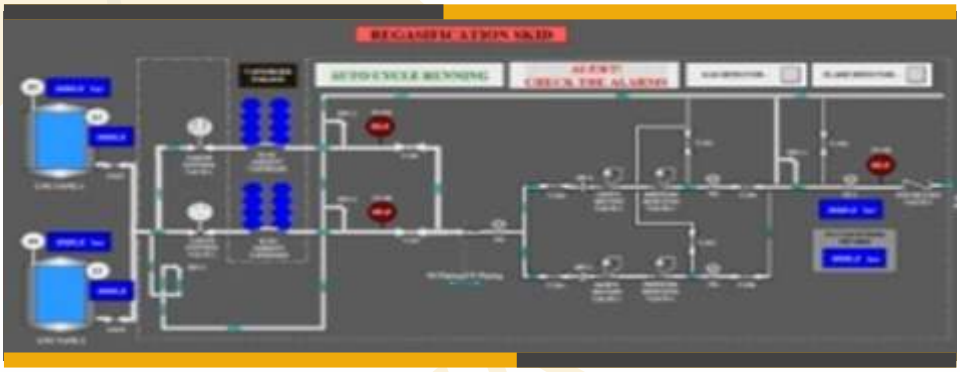


General Scheme

The LNG facility will be built at consumer premises in plant site with total LNG storage capacity in Tanks Re-gasification through ambient vaporizers and then Pressure reducing and controlling of supply gas. The Skada- panel has an integral display. This indicates inlet pressure is running, Inlet Gas temperature, Outlet pressure, Outlet Gas Flow, Water Bath Temperature and SOV position at PRS station. This display also indicates if the distribution line pressure is low or normal. Incorporated into the display is an audible alarm status indicator, which can be connected to the PRS Room PLC Panel and central alarm system.







FACILITY PARAMETERS

- Design Life 15 Years, as per SMPV rules
- Storage Facility Capacity 112 KL of LNG
- Basis for Re-gasification Sizing Vaporizers to be selected
- Material of Construction – LNG SS 304
- Material of Construction – RLNG A 106 Gr. B
- MAWP Storage Tanks 17 Bar. G
- 8. MAWP Vaporizers 44 Bar. G
- 10. Flow Monitoring System Vortex Flow Meter for measuring mass flow
- 11. System Design Margins On flow : +/- 20%