



Nitrogen Units

Unit Specifications: Skid-Mounted Self-Contained Liquid Nitrogen Pump and Vaporizer System complete with High Pressure Triplex Pump, Heat Recovery Vaporizing System and All Necessary Instrumentation and Controls for Local Operation. Units utilize a Maximum Working Pressure of 10,000 PSI, Hydrostatic Test Pressure of 15,000 PSI, and a Maximum Flow Rate of 180,000 SCFH. It has a 100 US Gallon fuel capacity.

Both, the Pump and Vaporizer, are supplied by a cogenerative diesel power pack, which converts waste engine heat generated by the hydraulics into useful heat for nitrogen vaporization.

Training/commissioning of unit conducted at customer's location



Major Components include a Liquid Nitrogen Pump, Model GUPD triplex reciprocating cryogenic pump with 1.625" Bore Size and 1.5" Stroke, "POT" type Vaporizer, and Diesel Engine Heat Recovery System designed to convert engine heat and waste system heat into useful heat for Nitrogen vaporization. Also includes Engine as specified by customer, Liquid Nitrogen Charge Pump, and Liquid Nitrogen Centrifugal Pump Model 1½ x 2½ x 6.

Local operator control panel contains all necessary instruments and controls to ensure safe, efficient and reliable operation.



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