



SERVAgrouP® NTLR-211A Nitrogen Truck

A truck mounted fired nitrogen pumping unit capable of 180,000 scfh, utilizing a single ACD triplex pump driven by a Detroit Diesel Series 60 engine and a fired vaporizer.

All equipment installed and positioned for ease of repairs and maintenance.



SERVAgrouP® PNTLR-211A Nitrogen Truck

Engine

Engine: Caterpillar C15 diesel engine, 550 bhp at 1800/2100rpm, 12V system
 Air Compressor: BA-921, 15.7cfm
 Air Cleaner: Dual Element
 Radiator: Radiator with fixed pitch blower fan, 58C Ambient capability
 Exhaust: Dry Exhaust manifold, Exhaust elbow for flexible connection, 8" weld able elbow, 8" flexible fitting, 8" flange
 Alternator: Charging alternator, 12V, 115Amp, LH
 Starter: Electric starting motor, 12V, LH
 Emergency Shutdown: Rig Saver style shutoff

Gauges and controls

One (1) 82.7 MPa (12,000 psi) analog discharge gauge
 One (1) flow processor for electronic digital flow rate and total volume display
 Emergency shutdown
 Main power on/off switch
 Emergency air horn
 Pneumatic control valves for suction valve actuators
 12 VDC lighting for night operation includes lights mounted above the displacement tanks, slurry tub, and control panel.

Engine Features

Engine start and normal shutdown
 Coolant temperature gauge
 Oil pressure gauge
 Oil temperature gauge
 Voltmeter
 Check engine display
 Pneumatic engine throttle control
 Tachometer with hour meter
 Air pressure gauge

Main Specifications

Capacity: 1967 US gallons @ 95% Full
 Dimensions: 80.3" OD x 209" O.A.L.
 Design Pressure: 46 psig + Vacuum & Liquid Static Head
 Design Temperature: -320°F to 100°F
 Design Codes: ASME Section VIII Div 1 CGA 341, TC341, ABSA
 Canadian B620-03 c/w TCRN
 Insulation: Full Vacuum with Super Wrap Insulation
 Manway: Bellows Type with Bolted Cover
 Inner Vessel: SA 240 T304 Stainless Steel
 Outer Vessel: Carbon Steel (Corten) with Stainless Steel Head
 and first Shell Course at Piping/Manway End
 Internal Baffle: One (1) only Full Cone Type Baffle
 Nozzles: One (1) only 3" Liquid
 One (1) only 2" Liquid
 One (1) only 2" Top Fill
 One (1) only 2" Pump Return
 One (1) only 2" Vapour/Relief System
 One (1) only 3/4" PB Coil Liquid
 Other: One (1) only Outage Bleed (95%)
 One (1) only 4" 0-100 psi Tank Pressure Gauge
 One (1) only 1-1/2" Vacuum Evacuation Diaphragm Valve
 One (1) only Vacuum Thermocouple & Bellows Valve
 One (1) only Jacket Safety Lid
 One (1) only 1-1/2" Cryogenic Globe Valve (Vent)
 One (1) only 1/2" Road Relief Regulator
 One (1) only 1/2" Road Relief Globe Valve
 One (1) only 1" Bursting Disc Assembly (Max 69 psig)
 One (1) only Pressure Building Coil
 Structural: Tank Support Saddles c/w One Pivoting Saddle