

N2 NP-180 Injection Unit

The product is a 180K LN2 nitrogen pumping system capable of pumping and vaporizing 180,000 SCFH at 70°F and pressures up to 10,000 PSI when supplied with LN2 from a suitable tank. The prime mover is a Detroit 60 Series diesel engine complete with a pyroban offshore system. The engine drives a gearbox which in turn drives a series of hydraulic pumps used to power a triplex pump fitted with 3 cold ends. Heat is extracted from both the hydraulic and coolant circuits and used to convert liquid to gaseous nitrogen via a nitrogen vaporizer.



As well as we have the special tools necessary for the maintenance and repair of the bombs. The system is design and manufactured for use in Zone II - 3G (NEC 500 Class 1 Division 2). Systems compliance is through ATEX certification of all relevant components and extension ignition.



Design

Engine horsepower	500 BHP@2100RPM
Maximum working pressure	10,000 PSI
Ambient Operating temperatures	-20°C to +35°C

Fuel

Fuel	1,000 liters
Hydraulic Oil	800 liters
Triplex Lube Oil	115 liters

Weight

External dimensions (height, width, large) in mm	5,080 x 2,438 x 2,670
Improvement factor	1.368
Min shackle diameter	32.1 mm
Shackle (safe workload)	9.5 t
Charge	32,500 kg