

# Cryogenic nitrogen unit



- Cryogenic unit represents system of converting cryogenic liquefied nitrogen to gaseous nitrogen with heating it and pumping with high temperature.
- Two pumps and evaporator are connected with diesel power pack, during operation of which energy from cooling system is converted to heat for nitrogen evaporation.
- All cryogenic lines (suction and discharge) are made from steel 304 and 316 types, which protects from leakage and specially designed for dealing with cryogenic materials.

Flow rate	85 m <sup>3</sup> /min (3000 SCFM)
Pressure	69 MPa (10,000 PSI)
Pump	Triplex
• plunger diameter	41,3 mm (1.625")
• plunger stroke	35 mm (1.38")
Size	
• length	5,2 m (17'0")
• width	2,6 m (8'6")
• high	2,6 m (8'6")