

Mobile Nitrogen Vaporizer Skid

Cryoquip Europe recently designed and manufactured a mobile nitrogen ISO container vaporizer skid for large flow rate applications. This mobile unit will be used for a variety of industrial applications including using pressured nitrogen to drive various pigs along pipelines for cleaning, gauging, inspections and maintaining product purity. These skids will also provide inert dry Nitrogen gas for drying and inerting pipe lines during routine maintenance.

The 40' ISO skid contains two identical vaporizers each designed for nominal flow rate of 2000 Nm³/hr. To provide continuous gas flow each vaporizer operates for 4-6 hours before being switched to the other unit to allow for defrost. The skidded system can be supplied with an automated switching system or manual valves. The vaporizers comprise a number of individual multi-finned extruded aluminium heat transfer elements, mounted vertically to ensure correct operation and even

liquid distribution. They are lined with stainless steel tube for added strength and durability allowing for high pressure operation when required. To insure long term integrity special anti-vibration mounts have been utilized to minimize the effects of road vibration and shock during transportation.

Cryoquip manufactures a variety of different size mobile ambient vaporizers from 50Nm³/hr to 4000 Nm³/hr with pressures up to 690 bar. For more information please visit www.cryoquip.com.

