ANOX

High Pressure Nitrogen System – For Laser Cutting

ANOX nitrogen generator can be easily incorporated with any high pressure nitrogen compressor that provides an infinite supply of 96 – 99.999% nitrogen gas on-site and for high pressure application up to 200 bar. This system is a safe, convenient and cost-effective alternative to renting High Pressure Nitrogen Cylinders for a wide range of industrial applications. This gives you the ability to fill your own cylinders for a fraction of the cost of purchase/delivery. Most filling stations will use nitrogen booster to fill cylinders from 40 to 200 bar. The filling station is totally automated system and can either be static where gas bottles are permanently manifolded into the application or a traditional cylinder filling station where cylinders are manually loaded and unloaded for use in remote locations.

NITROCUT Series

The integrated, independent and technologically most advanced solution to produce nitrogen for laser cutting plant. Reliability and high performance, proven by our's experience, allow its use with all major laser brands to attain highest cutting quality.
All components are heavy duty, made for 24/7 operation. The high pressure compressor or the gas booster starts & stops based on customer specific parameters. The operation is supervised by control system and when any deviation from specified operation parameters occurs, the system is automatically shut down. The display shows operation data, maintenance information and error indication. NITROCUT series provides a convenient, safe, cost effective and a continuous gas supply solution that enable users to produce their total demand for nitrogen gas on their premises, under their complete control and reduce operating expense. We have develop several standard system with the following specification for laser cutting.

Typical Performance Data							
Models	L1620	L2020	L3030	L4020	L3030	L6020	L8020
Capacity (Nm3/h)	15	20	30	40	60	80	
Purity (%)	99.999						
Storage Pressure (bar)	200						
Discharge Pressure (bar)	40						

Features	
First Class of Component	Fully made in Europe, only high quality components installed to assure the system performance and reliability
Self-Protective Monitoring of Feed Air Quality	Automatic feed air cut-off in case of contamination High dew point & pressure alarm
Superior Control System	Controller with display for full communication and monitoring possibilities.
Convenience	Non-stop available or gas on demand, supply, automatic and unattended operation
Back-up Storage (Option)	Auto-switch over to high pressure cylinders to cover peak demand and back-up purpose
Plug & Play	Ready to use, only required a supply of dry compressed air.

Standard Equipment & Components	Option
Skidded Twin-bed Adsorption Towers	Feed air compressor package
Control system with display	Cylinder bundle (16 cylinders pack)
Zirconia oxygen sensor	Cylinder filling station
Digital flow meter	Dew point sensor for product gas
Dew point sensor	High pressure gas distribution piping
Feed air and nitrogen pressure transmitter	
Exhaust silencer	
Interconnect process piping and fittings	
Nitrogen buffer tank	
Nitrogen booster up to 200 bar	

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