

# ***Nitrogen Purging***

***High Volume On-site Nitrogen Production Unit  
Nitrogen Production Unit TMN 2.000-1***



## Mobile On-site Nitrogen production means Nitrogen always on-demand.

The **TM Pipeline Service –“Nitro 2000”**, nitrogen production unit is perfect for anyone who needs nitrogen.

The **“Nitro 2000”** is a self producing nitrogen unit which offer a flexible, reliable supply of nitrogen when ever you need it – basically, you get exactly what you want – exactly where and when you want it. As if that wasn't enough, you even save money by using a mobile on-site nitrogen production unit.

With the **“Nitro 2000”** you are guaranteed a steady supply of nitrogen. You won't run out of nitrogen at impractical moments, and you won't have to wait for new deliveries. Nor will you need to handle liquid nitrogen. Speaking about logistics when handling large amount of liquid nitrogen.

Our mobile **“Nitro 2000”** means that the nitrogen is produced on demand on location. There is no waste due to evaporation and there is no transportation cost of liquid nitrogen or rental cost of e.g. railway- and road tankers.

Our **“Nitro 2000”** unit can be connected direct to your piping system, which eliminates the inconvenience of handling liquid nitrogen and evaporator equipment.

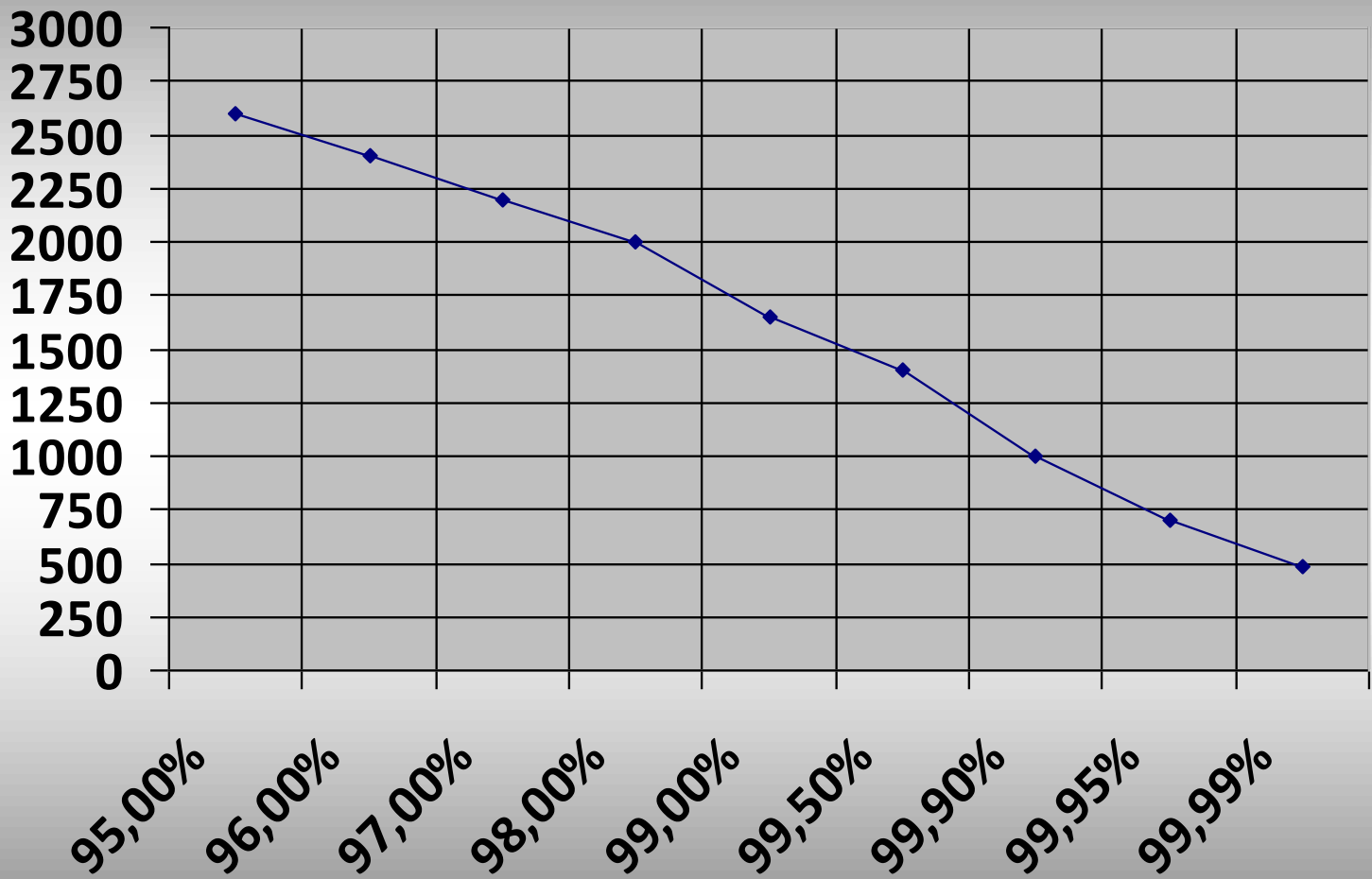
Talking about liquid nitrogen, safety is increased with an on-site nitrogen production unit, as the standard working pressure is not more that 10 bar. High-pressure booster is only established where it is required.

**“Nitro 2000”** – Complete independent. High quality. Low cost. Problem free operation.

# ***Technical Description***

- Max. N2 discharge vol.: 2.600 m<sup>3</sup>/h (1.530 cfm) at 95,00% purity and 9,0 bar.
- Max. N2 Purity: 99,999 % at 230 m<sup>3</sup>/h (135 cfm)
- Nominal Volume & Purity: 2.000 m<sup>3</sup>/h (1.177 cfm) at 98,00% purity.
- Outlet N2 Dew point: -60 °C to -70 °C.
- Max discharge pressure: 9,5 bar. (option 200 bar with additional booster).
- Discharge air/N2: 100 % oil free.
- Fuel consumption: 140 to 150 L/ hour.
- Energy consumption: 0,32 to 0,40 kw/nm<sup>3</sup>
- Size: 20 Feed ISO container.
- Weight: 19.000 kg.
- Building year: 2011.
- Environmental : No environmental disposal.

◆ Volume





## Fully automatically PLC controlled nitrogen production:

### Alarm by:

- Low discharge Nitrogen purity.
- Low discharge Nitrogen dew-point.
- Low discharge pressure.
- Low vessel pressure.
- High inlet dew-point.
- High inlet pressure.
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### Shut-Down by:

- Low discharge Nitrogen purity.
- Low discharge Nitrogen dew-point.
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### Log list: (printable)

- Discharge Nitrogen purity.
- Discharge Nitrogen dew-point.