

Nitrogen Services: Membrane N₂

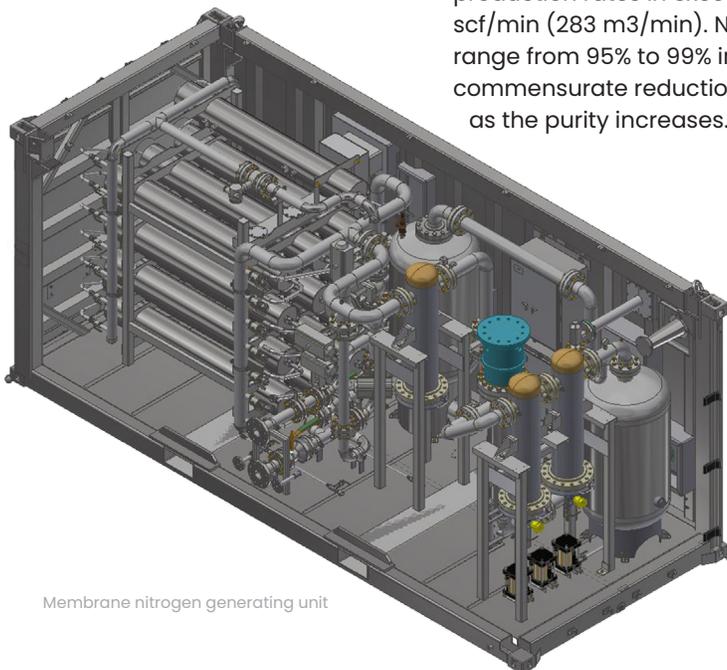
Generate the nitrogen you need onsite

Baker Hughes, Process & Pipeline Services (PPS) is committed to providing the right portable N₂ supply and engineered services at the customer's chosen location. Our nitrogen production units (NPU) generate N₂ on site from compressed air, solving many logistical issues where:

- liquid nitrogen is not available, or production capacity is small
- liquid nitrogen storage is not possible
- truck access is difficult/impossible
- where nitrogen purities of between 95% and 98% are acceptable

In addition, our NPUs feature a modular design, allowing for quick rig up and rig down.

When combined with boosters, our nitrogen production unit (NPU) can deliver pressures as high as 5,000 psi (345 bar), with each unit producing flow rates ranging from 300 scf/min (8.5 m³/min) to more than 3,000scf/min (85 m³/min), and N₂ purities above 95% at dewpoints of up to -90°F (-68°C). Units can be deployed in parallel with the possibility of production rates in excess of 10,000 scf/min (283 m³/min). N₂ purities can range from 95% to 99% in purity, with a commensurate reduction in flowrate as the purity increases.



Membrane nitrogen generating unit

Applications

- Oil and gas production facilities
- Petrochemical plants
- Refineries
- Marine
- LNG/LPG plants

Features and benefits

- Modular design for quick rig up and rig down
- Extensive membrane assets complimented by our extensive global air fleet
- Suitable for all nitrogen purging, drying, pressure/leak testing or blanketing application where nitrogen purities of between 95% and 98% are acceptable, including:
 - locations where liquid nitrogen is not available, or production capacity is small
 - locations where truck access is difficult
 - large plant or pipeline purges
 - purging and drying of LNG/LPG tanks
 - leak testing and pressure testing projects when used in conjunction with a booster compressor

Additional Solutions

- Purging/Displacing
- Helium leak detection
- Drying
- Decommissioning
- Pneumatic testing
- Camera Inspection



Regardless of whether your requirements include:

- purging
- maintenance
- plant turnarounds
- commissioning
- or other applications

onshore, offshore, above or underground, our extensive

compliment of membrane assets, combined with our vast global air fleet means PPS has a NPU solution suited to your application.

Contact a Baker Hughes, Process & Pipeline Services representative for more information, or to customize a solution for you.

bakerhughes.com/precommissioning-and-maintenance



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