



## Operational Capabilities



### OFFSHORE SKID MOUNTED MEMBRANE SEPARATION NITROGEN GENERATION UNIT

- 1. High purity nitrogen (99.999%) for process gas and nitrogen
- 2. Compact design for offshore applications
- 3. High separation efficiency (48% - 57%)
- 4. High attenuation ratio (d 1.2% / Year)
- 5. High safety and explosion-proof design
- 6. High reliability and long service life
- 7. High performance and low maintenance cost
- 8. High safety and explosion-proof design
- 9. High reliability and long service life
- 10. High performance and low maintenance cost

Model	Flow Capacity (Nm <sup>3</sup> /h)	Working Pressure (PSI)	Working Temperature (°C)	Separation Efficiency (%)	Attenuation Ratio (d/Year)
MS-100	100	116 - 348	5 - 65	48 - 57	d 1.2%
MS-200	200	116 - 348	5 - 65	48 - 57	d 1.2%
MS-300	300	116 - 348	5 - 65	48 - 57	d 1.2%
MS-400	400	116 - 348	5 - 65	48 - 57	d 1.2%
MS-500	500	116 - 348	5 - 65	48 - 57	d 1.2%

### ONSHORE SKID MOUNTED MEMBRANE SEPARATION NITROGEN GENERATION UNIT

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Skid-mounted units designed for both offshore and onshore environments, meeting explosion-proof and anti-corrosion standards.

Specialized high-temperature nitrogen units for waxy oil well treatment and viscosity reduction.

## Deployment Configurations

Skid-mounted • Truck-mounted • Trailer-mounted • Offshore-ready • Onshore-ready

## Primary Applications

- Oil & Gas Extraction
- Petrochemical Refining
- Pipeline Cleaning
- Acid Fracturing
- Profile Control Displacement
- Viscous Oil Production

## Technical Specifications

### Membrane System Parameters

Parameter	Range/Value
Working Pressure	116 - 348 PSI
Working Temperature	5 - 65 °C
Separation Efficiency	48% - 57%
Attenuation Ratio	d 1.2% / Year

## Service & Support

### Service Level Agreements

- Response within 8 hours
- Face-to-face service within 24 hours
- Global spare parts network
- Professional installation and training provided