

Nitrox Membrane Systems



Technical Data

LWNX 250-38 Technical Data

| Max. Q ₂ | Capacity | Compressor |
|---------------------|-----------|------------|
| 38 % | 300 l/min | 9.0 kW |
| 36 % | 350 l/min | 9.0 kW |
| 32 % | 380 l/min | 9.0 kW |

LWNX 250-40 Technical Data

| Max. Q ₂ | Capacity | Compressor |
|---------------------|-----------|------------|
| 40 % | 300 l/min | 11.0 kW |
| 38 % | 370 l/min | 11.0 kW |
| 36 % | 400 l/min | 11.0 kW |
| 32 % | 400 l/min | 11.0 kW |

LWNX 250 Dimensions

| | W x D x H | Weight |
|-----------------------|---------------------|--------|
| Screw compressor 9 kW | 600 x 1300 x 900 mm | 250 kg |
| Nitrox panel | 450 x 300 x 1000 mm | 30 kg |

LWNX 500-38 Technical Data

| Max. Q ₂ | Capacity | Compressor |
|---------------------|-----------|------------|
| 38 % | 470 l/min | 11.0 kW |
| 36 % | 550 l/min | 11.0 kW |
| 38 % | 600 l/min | 15.0 kW |
| 36 % | 750 l/min | 15.0 kW |

LWNX 500-40 Technical Data

| Max. Q ₂ | Capacity | Compressor |
|---------------------|-----------|------------|
| 40 % | 500 l/min | 18.5 kW |
| 38 % | 750 l/min | 18.5 kW |

LWNX 500 Dimensions

| | W x D x H | Weight |
|---------------------------|----------------------|--------|
| Screw compressor 11/15 kW | 670 x 1550 x 1200 mm | 500 kg |
| Screw compressor 18.5 kW | 790 x 1875 x 1290 mm | 650 kg |
| Nitrox panel | 450 x 300 x 1000 mm | 35 kg |

For the LWNX 750, LWNX 1000 or for bigger Nitrox Membrane systems please contact us so we can provide you with a comprehensive solution. Custom made Nitrox Membrane Systems are also available for on-board installations or islands where only limited power is available.

Stainless steel panel for easy installation

- >> 1 stainless steel buffer tank before the membrane,
1 stainless steel buffer tank after the membrane,
both buffer tanks are tested and approved for 16 bar
pressure, incl. CE sign
- >> Parker Membrane with CE sign
- >> 2 stainless steel valves (min./max. pressure) to maintain
membrane outlet pressure within a certain range and to avoid
damage to the high-pressure compressor



Stainless steel needle valve for easy adjustment of Nitrox Mixture

- >> Silencer to keep the noise of the venting Nitrogen extremely low

Pressure relieve valve to adjust and stabilize the membrane inlet pressure

Online Oxygen Monitoring system with an accuracy of 0.1%

- >> Sensor life time: 1 year
- >> Self calibrating

Integrated refrigeration dryer (dew point: 5°C) for moisture removal

- >> Modular design for flexible installation in space constraint areas
- >> 2 active carbon filters for oil mist removal
(oil content less than 0.003 mg/m³)
- >> 1 particle filter to protect the membrane from any contamination



All stainless steel parts are made of non corrosive 316 stainless steel

