

# HPE

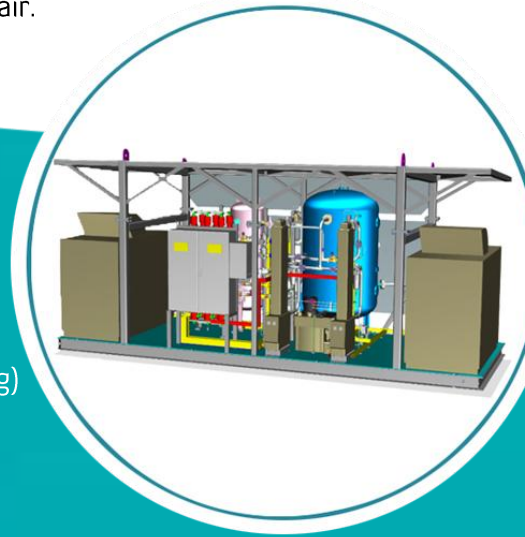


## NITROGEN GENERATORS

Nitrogen generators are used to produce nitrogen from compressed atmospheric air.

### Basic design data:

- Membrane technology
- For outdoor and indoor use
- Hazardous classified or safe areas
- Special design for harsh environment (e.g. tropical or subarctic)
- Nitrogen purity: 95% up to 99.5%
- Nitrogen Flow rate: 20 Nm<sup>3</sup>/h up to 800 Nm<sup>3</sup>/h
- Standard output nitrogen pressure: up to 8 bar(g)
- Special execution - output nitrogen pressure even up to 100 bar(g)
- Design temperature: -20 °C ÷ 60°C
- Standard build as a modular process skid
- Standard design complies with EU standards – CE marked
- Optional design according to ASME, GOST



### Advantages:

- Standard version – compact nitrogen module
- Plug and play version – equipped with compressors and air pretreatment
- Redundant compressors and membrane lines for N<sub>2</sub> generating
- Low on-site nitrogen production costs
- High nitrogen purity
- Fully automatic and easily operated
- Environment friendly
- Reliable and long life design
- Minimal maintenance
- Adaptable design
- Small footprint
- Remote control



### Technical Specification

Type		LIN60S	LIN60	LIN400	LIN720
Compressors inside		YES	NO	NO	NO
N I T R O G E N	Normal flow (one line)	60 Nm <sup>3</sup> /h	60 Nm <sup>3</sup> /h	400 Nm <sup>3</sup> /h	720 Nm <sup>3</sup> /h
	Working pressure	5.5 bar	5.5 bar	9 bar	9 bar
	Purity (min)	95%	95%	95%	95%
	Working temperature	< 40°C	13°C ÷ 60°C	13°C ÷ 60°C	13°C ÷ 60°C
A I R S U P P L Y	Pressure	-	7 bar	11 bar	11 bar
	Flow (for a single line)	-	210 Nm <sup>3</sup> /h	910 Nm <sup>3</sup> /h	1640 Nm <sup>3</sup> /h
	Temperature	-	13°C ÷ 45°C	13°C ÷ 45°C	13°C ÷ 45°C
	Cleanness	-	1.4.1	1.4.1	1.4.1
Steel construction		Carbon steel, coating	Carbon steel, coating	Carbon steel, coating	Carbon steel, coating
Piping/tubing material		Stainless steel	Stainless steel	Stainless steel	Stainless steel
Ambient temperature		6°C ÷ 42°C	5°C ÷ 45°C	5°C ÷ 45°C	5°C ÷ 45°C
Relative humidity		98%	36 ÷ 100%	36 ÷ 100%	36 ÷ 100%
Location		outdoor	outdoor	outdoor	outdoor

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