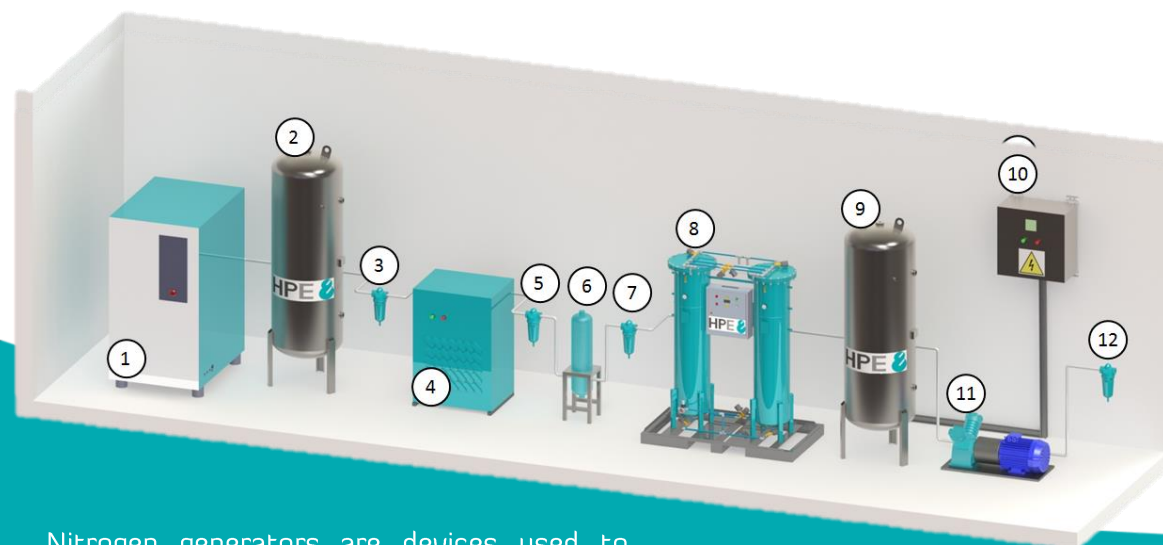


# HPE 8

## NITROGEN GENERATOR

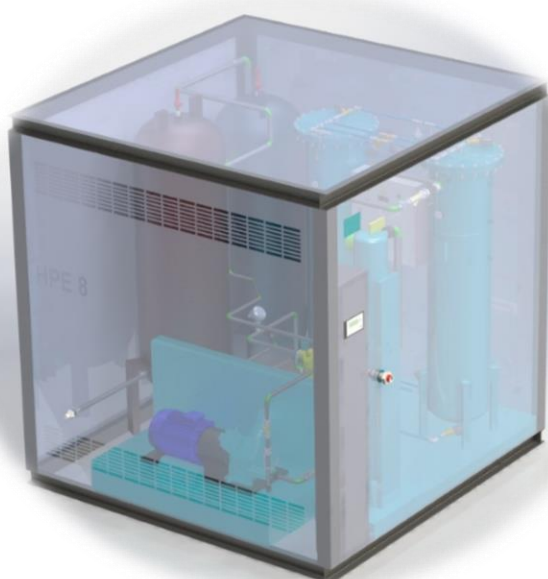


- ① Compressor
- ② Buffer tank
- ③ Filter
- ④ Refrigeration dryer
- ⑤ Fine filter
- ⑥ Filter with activated carbon
- ⑦ Dust filter
- ⑧ PSA generator
- ⑨ Buffer tank
- ⑩ Junction box
- ⑪ Booster
- ⑫ Filter

Nitrogen generators are devices used to obtain high-purity nitrogen from atmospheric air.

To generate nitrogen we use pressure swing adsorption (PSA) technology. Separation of components is conducted through carbon molecular sieves (CMS).

MODEL	LL25	LL50	LL75	LL100
EFFICIENCY	25 Nm <sup>3</sup> /h	50 Nm <sup>3</sup> /h	75 Nm <sup>3</sup> /h	100 Nm <sup>3</sup> /h
PURITY	99,95% N <sub>2</sub>	99,95% N <sub>2</sub>	99,95% N <sub>2</sub>	99,95% N <sub>2</sub>
	99,99% N <sub>2</sub>	99,99% N <sub>2</sub>	99,99% N <sub>2</sub>	99,99% N <sub>2</sub>
	99,995% N <sub>2</sub>	99,995% N <sub>2</sub>	99,995% N <sub>2</sub>	99,995% N <sub>2</sub>
DESIGN PRESSURE	16 bar	16 bar	16 bar	16 bar
	20 bar	20 bar	20 bar	20 bar
	30 bar	30 bar	30 bar	30 bar



### ADVANTAGES OF HPE8'S GENERATORS:

- Lowered monthly cost of nitrogen production on site
- Flexibility – possibility to turn on and off production, most of monthly costs are real usage
- Efficiency and pressure can be adjusted to current client's demands
- Independence - generators can be used 24-7.
- Fully automated, secure and user friendly solution
- Environmentally friendly compared to cryogenic technology
- Possibility to integrate with company's instrumentation and automation system or create new one
- Financing tailored to customer's needs

**HPE 8 Sp. z o.o.**  
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