

WAVE N2 40

PSA nitrogen system · 40 Nm³/h at 99.9%



WAVE visualization. Layout and dimensions may vary.

Nominal N2 output

40 Nm³/h

N2 purity

99.9%

PSA outlet pressure

0.6 MPa

COMPLETE PSA SYSTEM

The WAVE N2 40 produces nitrogen using pressure swing adsorption (PSA). The proposed configuration delivers 40 Nm³/h at 99.9% purity and a PSA outlet pressure of 0.6 MPa. The system includes a screw compressor, air receiver, refrigerated air dryer, filters, PSA unit and a 300 L nitrogen storage tank. Air treatment uses separate components with a 1,000 L air receiver. WAVE helps size the system for your gas demand and plan installation.

€24,900

Net price, ex WAVE warehouse in Europe. Customer delivery and commissioning quoted separately.

Scope includes compressor, air treatment, PSA unit, storage, interconnecting piping and component skids.

SYSTEM AND UTILITIES

Process	Pressure swing adsorption (PSA)
Nominal nitrogen output	40 Nm³/h at 99.9% purity
PSA feed-air pressure	0.8 MPa
PSA outlet pressure	0.6 MPa
Compressed-air station	Separate compressed-air treatment
Compressor air delivery	3.5 m³/min
Compressor outlet pressure	8 bar
Air receiver	1,000 L
Refrigerated air dryer / filters	3.8 m³/min
Nitrogen storage tank	300 L
Compressor power supply	400 V · 50 Hz · 3 phases
PSA power supply	220 V · 50 Hz · 1 phase
PSA unit electrical power	0.3 kW · excludes compressor and air treatment
Compressor power	22 kW
Separate dryer power supply	220 V · 50 Hz · 1 phase
Separate dryer power	1 kW

Technical sizing: nominal flow according to the proposal. Electrical component ratings do not state total system energy consumption.

Required gas quality, pressure, installation and connections are defined for your application in the quotation. Images do not replace an installation drawing. Operating and maintenance documentation forms part of the project-specific delivery.