HIGH-PURITY NITROGEN FOR LASER CUTTING

Nitrogen generation systems

PnewSkid open systems | PnewAir canopy systems

Your nitrogen. Your production.

On-site generation with high-pressure storage, configured around your cutting process.

6 models

Two installation formats

16-88 Nm³/h

At 99.99% nitrogen purity[1]

230 / 300 bar

Storage configurations (see page 4)



PnewAir canopy system shown with stacked storage. Final configuration is project-specific.

01

Supply independence

Reduce exposure to tanker delays and delivery schedules.

02

Lower supply costs

Reduce delivery charges, bulk-tank rental and boil-off losses.

03

Less delivery waste

Generate gas on site and reduce reliance on tanker transport.

Open access. Integrated supply.

PnewSkid 1-6 | High-purity nitrogen generation packages

Our PnewAir skid integrates compressed air supply, air treatment, nitrogen generation and boosting into one accessible, plug-and-play skid.



Accessible components A practical layout for plant-room integration and servicing.

NITROGEN PRODUCTION (Nm³/h)[1]				CATALOGUE SYSTEM DIMENSIONS[2]		
Model	99.99% N_2 100 ppm O_2	99.995% N_2 50 ppm O_2	99.999% N_2 10 ppm O_2	Length (mm)	Width (mm)	Height (mm)
PnewSkid 1	16.00	11.50	8.50	3500	1400	2100
PnewSkid 2	28.00	20.25	15.00	4100	1700	2240
PnewSkid 3	44.00	31.65	25.00	4300	1800	2240
PnewSkid 4	60.00	43.15	35.00	4500	1900	2440
PnewSkid 5	68.00	48.90	40.00	4650	1900	2440
PnewSkid 6	88.00	63.25	50.65	4650	1900	2440

[1] Published generator performance: 7 bar(g) feed, 25°C ambient, +3°C inlet-air dew point. Normal-volume reference, package output and tolerances to be confirmed in the proposal. [2] Confirm storage footprint and service clearances in the approved layout.

A compact, enclosed format.

PnewAir 1-6 | Enclosed-style nitrogen generation packages



Stacked nitrogen storage option

One range. Flexible layouts.

An enclosed cabinet format with external or stacked storage, subject to the selected package and site layout.



Canopy detail
Touchscreen interface.

Stacked layout shown above. Cabinet detail shown at right.

Same nitrogen output as PnewSkid; a different package envelope.

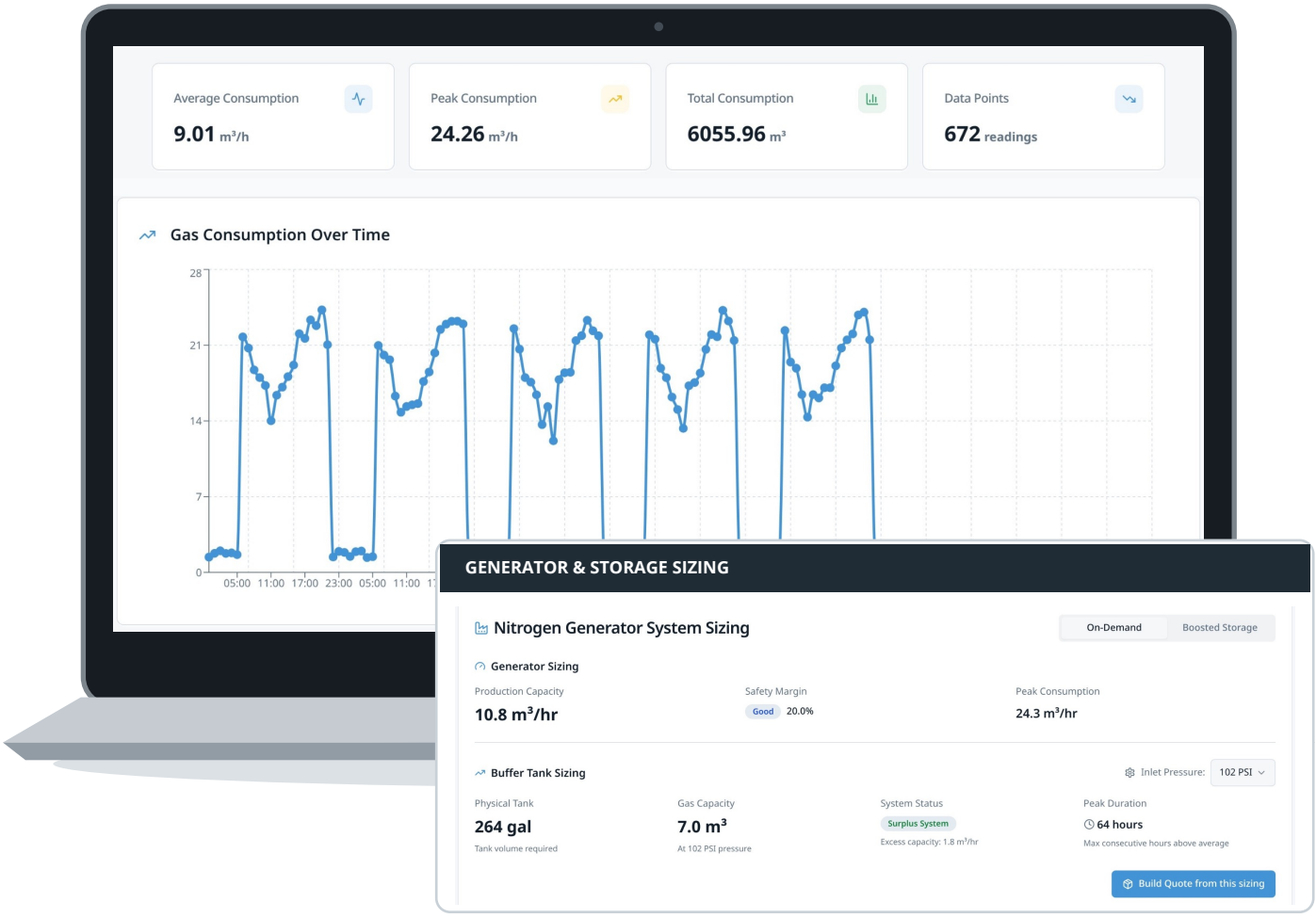
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Size your clients' nitrogen systems.

Understand demand. Select purity. Size generation and storage.

Our online software helps distributors assess client requirements and size nitrogen generation systems around the application.



01

Select purity

Set the nitrogen quality required by the client's process.

02

Analyse demand

Review average flow, peak demand and the consumption profile.

03

Size storage

Assess generation capacity and the required nitrogen storage.

Size your next client's system online.

imonitoring.nitrogensupplycompany.com