



COMPACT MEMBRANE NITROGEN GENERATOR MODULN2

ModulN2 is a compact nitrogen generator ensuring an on-site production of up to 3,8 m³/h nitrogen, with a purity ranging from 1 to 0,35% residual oxygen content. Based on the membrane technology, this generator is a perfect alternative for industries looking for a safe, economical, convenient and reliable, nitrogen supply.

Key features & benefits

- Flow : from 0.5 to 3.8 m³/h
- Purity : from 1 to 0.35 vol.% O₂ residual
- Outlet pressure : up to 8.6 barg
- Low operating pressures, no hazardous storage
- Fully automatic operation
- Easy to install and maintain

Designed for

- Chemical Blanketing
- Flammable Liquids Inerting
- Dust Explosions Prevention
- Centralized Heating Stations
- Food & Beverage Inerting
- Metal 3D Printing



MODULN2

Compact membrane
nitrogen generator



Technical specifications

Models	ModulN2-1						ModulN2-2						ModulN2-3					
Oxygen content	0.35 vol.%		0.5 vol.%		1 vol.%		0.35 vol.%		0.5 vol.%		1 vol.%		0.35 vol.%		0.5 vol.%		1 vol.%	
Feed Air pressure bar(g) psig	7.5	10	7.5	10	7.5	10	7.5	10	7.5	10	7.5	10	7.5	10	7.5	10	7.5	10
	110	145	110	145	110	145	110	145	110	145	110	145	110	145	110	145	110	145
Product m3/h ⁽¹⁾	0.5	0.6	0.6	0.7	0.9	1.1	1.0	1.2	1.1	1.4	1.8	2.2	2.0	2.7	2.1	3.0	2.7	3.8
Product Pressure bar(g) psig	6.6	8.6	6.4	8.4	6.2	8.2	6.5	8.5	6.3	8.3	6.1	8.1	6.4	8.4	6.2	8.2	6	8
	96	125	93	122	90	119	94	123	91	120	88	117	93	122	90	119	87	116
Dew Point ⁽²⁾ °C / °F	-40																	
Sound Level dB(A)	< 65																	

⁽¹⁾ Flow rates at standard atmospheric conditions (20°C / 70°F, 1013 mbar / 14.7 psi and 60% RH)

⁽²⁾ Product Dew Point at atmospheric pressure

Feed Air Requirements

Min / Max Air Inlet Pressure	7 / 10 bar(g) 101 / 145 psig
Max. air Inlet Temperature	+40°C +113°F
Min. Air Quality	ISO 8573.1 Class 0.4.0

Connections

Feed Air Inlet	G 3/8"
Nitrogen Outlet	G 3/8"
Off-Spec Connections	G 1/2"

Available optional equipment

- Three stages Air filter
- Sterile filter
- Nitrogen flowmeter
- Nitrogen booster
- Nitrogen cylinder filling system

Power Requirements

Power Supply	230 V / 50 Hz
Power Consumption	max. 200 W

Certifications

2006/42/CE (Machinery Directive)

Dimensions (cm) & Weight (Kg)

L	W	H	Weight
40	42	120	60

Installation Requirements

Well ventilated and protected environment with temperatures between +5°C / +41°F and +40°C / +104°F. Classified areas excluded.