

.red® Nitro-F Nitrogen Generator



Product datasheet

Description

Features

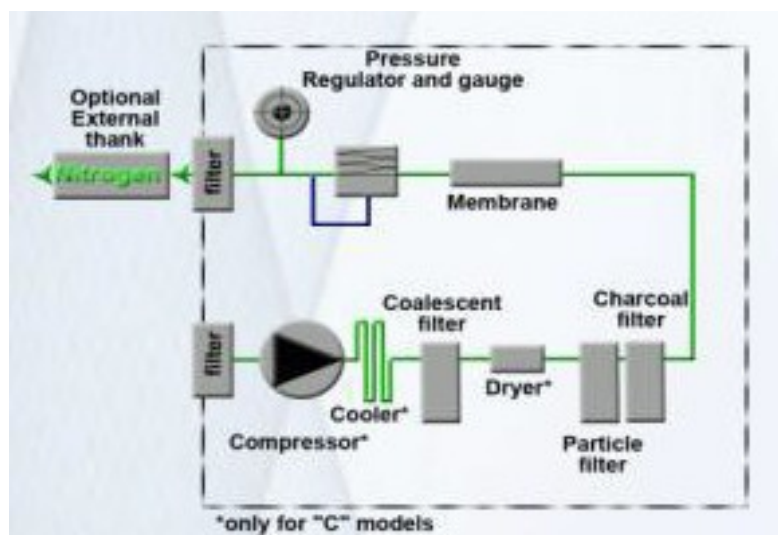
- 8L/min to 120L/min production capacity
- >98 to 99.5% N₂
- Reliable and economical alternative to high pressure cylinders
- Safe, small, simple and silent
- Uninterrupted supply of nitrogen for LCMS and other applications at a constant pressure
- Minimum maintenance - simple filter exchange every 6 months
- Easy operation and installation
- No electric power requirement. With exception of Nitro-F-35C model which has a compressor included
- The generator automatically switches on and off according to the nitrogen demand
- Manufactured to a high quality following the rigorous ISO 9001 production control



Technical Specifications

Model: Nitro-F

Schematic



.red[®] Nitro-F Nitrogen Generator



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General specifications

Power supply (V/Hz):	None required (With exception of Nitro-F-35C model)
Housing:	Die cast aluminium
Interface:	None
Functions (modes):	None
Warranty:	3 years
Display:	None

Compressed air supply

Maximum feed pressure (bar, psi):	10 bar (g), 175 psig
Minimum feed pressure (bar, psi):	4 bar (g), 58 psig
Compressed air temperature range:	10 to 40°C (50 to 104°F)
Required air purity:	ISO 8573.1 Class 1.2.1 Dirt, water, oil
Pressure dewpoint:	<5°C, 41°F
Nitrogen humidity:	Dewpoint supression: -50°C (-58°F)
Air treatment section:	1µ and 0.01µ coalescing filter and carbon filter

Ambient conditions

Temperature:	10 to 40°C, 50 to 104°F
Noise level:	'Silent' (Less than 45dB(A)) (Nitro-F-35C model less than 60dB(A))

Dimensions and connections

	Nitro-F-8	Nitro-F-40	Nitro-F-80	Nitro-F-120	Nitro-F-35C
N2 Flow Rate	8L/min	40L/min	80L/min	120L/min	35L/min
Weight	8Kg	15Kg	18Kg	21Kg	160Kg
Ship Weigh	13Kg	20Kg	23Kg	26Kg	190Kg
Dimensions WxDxH (cm)	35x35x74	48x26x115	48x26x115	48x26x115	48x96x130
Compressor	No	No	No	No	Yes (x2)
Power	0	0	0	0	550 watts

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Connections inlet: G1/4"

Connections outlet: G1/4"

Output

Maximum delivery pressure: Inlet pressure minus ca 1.8 bar

Capacity : 7.2Nm³/hour (120 litres/min)

Purity at specified capacity (% by volume): >98% N₂

Parts supplied

Standard: 1 x Nitro-F unit, 1 x manual

Optional: Active carbon adsorber for air pretreatment

Supplied: Singly

Servicing

Action & frequency: Replace filter elements every 6 months or earlier when pressure loss per filter is >1 bar

Required item(s): Service kit Nitro-F-120 6 month (Cat no 6700231500) Service kit Nitro-F-120 12 month (Cat no 6700231501)

Code	Description	Model
701124	Nitrogen generator Nitro-F-8 8L/min	Nitro-F-8
701125	Nitrogen generator Nitro-F-40 40L/min	Nitro-F-40
701126	Nitrogen generator Nitro-F-80 80L/min	Nitro-F-80
701127	Nitrogen generator Nitro-F-120 120L/min	Nitro-F-120
701128	Nitrogen generator Nitro-F-35C 35L/mn 230V	Nitro-F-35C
701129	Nitrogen generator Nitro-F-35C 35L/mn 115V	Nitro-F-35C
701130	Nitrogen generator Nitro-F-35C 35L/mn 100V	Nitro-F-35C

*nominal conditions: feed pressure at inlet: 8 bar (g), ambient temperature: 20°C, ambient pressure 1013mbar.