NG CASTORE PRO

Membrane Nitrogen generator electronic controlled

The NitroGen series **CASTORE PRO** are Membrane Nitrogen Generators. They are engineered to transform standard compressed air into a safe, regulated supply of Nitrogen with a purity up to 99.5%. An optional channel can provide up to 45 L/min of compressed, dry and regulated air.

The exclusive electronic flow control allows to generate Nitrogen with a higher purity using a smaller volume of air which results in reduced energy costs and maintenance of any external compressor. Continuous control of the operating parameters allows to maintain the system at its maximum efficiency.

The CASTORE PRO with it's dual Nitrogen and Air outlets has been developed to meet specific requirements in term of gas, flow, purity and pressure in LC-MS applications. It can be used for the evaporation of solvents in samples being analysed.

Main applications

- LCMS
- Solvent evaporation

Main advantages

- ✓ Compatible with all LCMS
- ✔ Dual Nitrogen and Air generator
- ✓ Low noise
- ✓ Low maintenance
- Generates nitrogen on demand
- ✓ Exclusive electronic flow control
- ✓ Designed to run 24 hours a day









25	25.40	45	45.40	60	60.40	
25	•			60l/min		
2.0 bars; Inlet pressure – 1.0 bar						
		> 98.5 % @ 45 l/min			98.5 % @ 60 l/min	
> 99.5 %	@ 10 l/min	> 99.5 % (@ 25 l/min	2 98.3 % @ 60 I/IIIII		
-	40 l/min	-	40 l/min	-	40 l/min	
-	Inlet press 1bar	-	Inlet press 1bar	-	Inlet press 1bar	
-	< -40°C (-40°F)	-	< -40°C (-40°F)	-	< -40°C (-40°F	
	,				,	
		ISO 8573-1:20	10 Class [2:4:1]			
115 l/min	155 l/min	135 l/min	175 l/min	150 l/min	190 l/min	
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Standard						
Standard						
100-240 Vac (±10%) 50/60 Hz						
, , ,						
		¼" BSPI	P female			
		1/4" BSPI	P female			
¼" BSPP female						
		1/4" BSPI	P female			
		5-35°C	(41-95°F)			
80% [5-35°C (41-95°F)]						
< 35dR(A)						
< 2000m						
	25 > 98.5 % > 99.5 % - - - 115 /min	25 l/min > 98.5 % @ 25 l/min > 99.5 % @ 10 l/min -	25 l/min	25 l/min 2.0 bars; lnlet pressure — 1.0 bar > 98.5 % @ 25 l/min > 99.5 % @ 10 l/min - 40 l/min - 40 l/min - lnlet press lnlet press lnlet press lbar - 1bar - < -40°C (-40°F) ISO 8573-1:2010 Class [2:4:1] 115 l/min 155 l/min 135 l/min 175 l/min 5 bars (72.5 psi); 10bars (145 psi) 1°C (34°F); 45°C(113°F) Standard For service 100-240 Vac (±10%) 50/60 Hz IEC320-C14 25W (30VA) 1A (250 Vac — T) < 30 kg < 35 28 x 32 x 120 cm 4" BSPP female 5-35°C (41-95°F)	25 l/min	

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Ordering codes	
Gas Generators	
6920.50.025	CASTORE PRO 25
6920.50.125	CASTORE PRO 25.40
6920.50.045	CASTORE PRO 45
6920.50.145	CASTORE PRO 45.40
6920.50.060	CASTORE PRO 60
6920.50.160	CASTORE PRO 60.40
Options	
6920.50.001	WiFi Module for NG CASTORE PRO
6920.50.002	O2 sensor option (%) for NG CASTORE PRO
Accessories	
6920.50.000	50 L Nitrogen tank with pressure regulator and safety valve
6920.50.005	Dual 25L Nitrogen + 25L Air Tank With pressure regulator and safety valve
Consumable	
6930.00.140	Filter elements 8000H for CASTORE BASIC / PRO

