

Air/N₂ Gas Booster

N₂

Air

The **Air/N₂ Gas Booster** is a specialized industrial device designed to increase the pressure of an input gas source up to 30 bar (435 psi) with a maximum flow of 500 cc/min.. This unit is specifically engineered for laboratories and applications in the chemical, pharmaceutical, and food industries.

The **Air/N₂ Gas Booster with dry Air Outlet** model also offers a dry compressed air output with a dew point below -20°C (<-4°F).

The appliance features a compact design and is equipped with an intuitive user interface with a colour touch-screen display. The unit includes advanced diagnostic systems with alarms and pre-alarms for preventive maintenance, operates with a low noise level (<55dB), the Gas Booster represents a reliable solution for applications requiring a consistent source of high-pressure gas in professional environments.

Main applications

- Thermo Extrema
- Scientific laboratories
- Medical laboratories
- Chemical and pharmaceutical industry
- Food factory

Main Advantages

- ✓ High outlet pressure up to 30 bar (435 psi)
- ✓ Ultra silent technology: < 55 dB(A)
- ✓ Oil free
- ✓ Low maintenance
- ✓ Smooth running – low vibrations
- ✓ Compact
- ✓ Reliable



Specifications



Model:	7000.20.000		6100.00.001	6100.00.002
General data				
Internal air tank capacity (Compressor section)	10L			
Inlet gas tank capacity	1L			
Gas Booster tank capacity	70 mL			
Dimensions (W x D x H)	43 x 75 x 68 cm			
Net weight	90 kg			
Noise level ⁽¹⁾	< 55 dB (A)			
Air outlet				
Max flow	-	-	15 L/min	
Max pressure	-	-	8 bar (116 psi)	
Dew Point ⁽²⁾	-	-	< -20°C (< -4°F)	
GAS Inlet				
Inlet pressure	5.5 bar (79 psi) ±10%			
Dew Point ⁽²⁾	< -40°C (< -40°F)			
GAS Booster Outlet				
Max outlet flow	500 cc/min			
Max pressure	30 bar (435 psi)			
Communication				
RS-232	Standard			
RS-485	Standard			
Electrical data				
Supply rating	100-115Vac (±10%) 50/60Hz or 230Vac (±10%), 50/60Hz			
Type of connection	IEC320-C14			
Nominal Power	750 W			
Fuse rating	10A (250Vac – T) – 5x20mm			
Connections				
GAS inlet	1/4" BSPP female fitting (1/8" BSPP female – Inlet filter)			
Gas Booster outlet	1/4" BSPP female fitting			
Compressed air outlet	-	-	1/4" BSPP female fitting	
Operating and storage conditions				
Operating temperature	5-40°C (41-104°F)			
Storage temperature	1-50°C (33.8-122°F)			
Humidity (max, non-condensing)	80% [5-40°C (41-104°F)]			
Heat value (BTU)	2560			
IP	IP20			
Pollution degree rating	2 (with no aromatic compounds)			

(1) Measured at the front of the unit at a distance of 1.5 m, in accordance with ISO 11201 (tolerance ±3 dB).

(2) Atmospheric Dew Point (ADP) at 25°C ambient temperature

Ordering codes

Booster

7000.20.000

6100.00.001

6100.00.002

Consumable

6100.10.001

HP booster for Thermo Extrema

N2/Air Gas Booster with compressor integrated

N2/Air Gas Booster Dry Air outlet

Kit filters for N2/Air Gas Booster



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