

# PLINIUS SERIES HIGH CAPACITY NITROGEN GENERATOR

N30-1  
N45-1  
N60-1

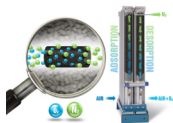


Silently powerful

SUITABLE FOR: LCMS, ELSD  
AND SAMPLE PREPARATION

## PSA TECHNOLOGY

Able to ensure a significantly longer lifespan than the average, and nitrogen purity levels of up to 99.999% proportional to the flow delivered



## SILENT

Special soundproofing and anti-vibration solutions, designed specifically for the laboratory



## PLUG & PLAY

Complete solution equipped with all the necessary to supply UHP nitrogen. Built - in Oil Free Air Compressor, just plug-in to use nitrogen at GC purity level.



## LOW MAINTENANCE COSTS

Less engine stress and longer compressor life thanks to low running temperature and air and nitrogen internal reservoirs



## TECHNOLOGICAL

Claind process control system included, based on more than 40 years' experience.



## REMOTE CONTROL

Remote connection to any device with the IoT Claind4You platform



# TECHNICAL SHEET

<b>NITROGEN FLOW RATE</b>	
PLUWIUS N30-I	Up to 30 Nl/min
PLUWIUS N45-I	Up to 45 Nl/min
PLUWIUS N60-I	Up to 60 Nl/min
<b>NITROGEN OUTPUT PRESSURE</b>	
Up to 99,9%	
<b>NITROGEN OUTPUT PURITY</b>	
6 + 8 bar	
<b>AIR COMPRESSOR</b>	
Built-in Oil free compressor	
<b>ELECTRICAL SUPPLY</b>	
PLUWIUS N30-I	230 Vac ± 10% 50 Hz 900 W
PLUWIUS N45-I	230 Vac ± 10% 50 Hz 1800 W
PLUWIUS N60-I	230 Vac ± 10% 50 Hz 1800 W
<b>PROTECTION INDEX</b>	
IP20	
<b>NOISE</b>	
PLUWIUS N30-I	Minimum: 50 dBA Medium: 58 dBA
PLUWIUS N45-I	Minimum: 50 dBA Medium: 60 dBA
PLUWIUS N60-I	Minimum: 50 dBA Medium: 58 dBA
<b>OPERATING TEMPERATURE</b>	
5°C - 35°C/40°F - 100°F	
<b>STORAGE TEMPERATURE</b>	
5°C - 50°C/40°F - 125°F	
<b>ENVIRONMENTAL HUMIDITY</b>	
max 90% without condensation	
<b>MAX ALTITUDE</b>	
Up to 2000 m from the sea level	
<b>DIMENSIONS</b>	
L x D x H cm 72,5 x 89 x 80,5 28,5" x 35" x 31,3"	
<b>WEIGHT</b>	
PLUWIUS N30-I	130 kg/287 lbs
PLUWIUS N45-I	150 kg/330 lbs
PLUWIUS N60-I	160 kg/352 lbs
<b>THERMAL DISPERSION</b>	
PLUWIUS N30-I	1000 l/sec
PLUWIUS N45-I	2000 l/sec
PLUWIUS N60-I	2000 l/sec
<b>PNEUMATIC CONNECTIONS</b>	
Nitrogen and air outlet G3/2" female	
Condensate drain plastic pipe Ø6 mm	
<b>ELECTRICAL CONNECTION</b>	
1,6 mm power supply cable with Standard connections IEC320 C20	
<b>DATA CONNECTOR</b>	
Ethernet , MCO-BUS over TCP data communication protocol; RJ45 cable – WiFi	
<b>WARRANTY</b>	
2 years from Delivery	

## OPTIONALS

- ✓ **NITROGEN DUAL PURITY KIT**  
Code 433.30.Z220.00
- ✓ **SINGLE PRESSURE REGULATOR**  
Code 433.30.Z200.00
- ✓ **DOUBLE PRESSURE REGULATORS**  
Code 433.30.Z210.00





1979

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OUR CUSTOMERS  
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WORLDWIDE



32

COUNTRIES  
SUPPORTED  
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# SERVICES

-  WARRANTY EXTENSION
-  DYNAMIC MAINTENANCE CONTRACTS
-  DYNAMIC FULL-RISK CONTRACTS
-  IQ/OQ CERTIFICATIONS
-  CLAIND4YOU

Visit our website [www.claind.it](http://www.claind.it) or  
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