

Equipment performance greatly improved!

MNTL-NCPII Series

Nitrogen Gas Generator (24-56NL/min)



Features

The MNTL-NCP series offers greatly improved equipment performance for generating volume and outlet pressure, enhanced functions with the addition of a new LCD panel and is optimal as a subsidiary/laboratory nitrogen supply source as MNT-NCP series large capacity models.



Nitrogen gas generating volume increased by up to 54.5%!

Compared to the previous series, nitrogen gas generating increased by 54.5%. Nitrogen outlet pressure also greatly increased, expanding the range of application.



Can be placed anywhere due to its space-saving design.

With a compact design of 390mm×710mm, space can be effectively utilized. Caster wheels are standardly equipped so there is no problem securing service clearance.



Noise-reducing design

Sound level of 58.8 dB achieved in front of the device

*The features of this series are compared with the previous series (MNT-SI).

*Feature details are current as of January 2014.



Compatible with all-purpose compressors

All-purpose compressor match-up made possible by reducing raw material air design pressure 0.6-0.7MPa. Surplus factory air can be utilized.



New LCD panel used

This LCD panel, which we developed, can display many types of information including generated nitrogen state, operating state, details of problems and maintenance guidance. A flowmeter and an oxygen meter are standardly equipped, allowing for accurate understanding of the state of nitrogen supply.



MNTL-NCP Series Specifications (99~99.99%)

TYPE	1.3K			1.8K		
	Model	M2NTL-1.3-NCPII	M3NTL-1.3-NCPII	M4NTL-1.3-NCPII	M2NTL-1.8-NCPII	M3NTL-1.8-NCPII
Purity (%) ^{※1}	99	99.9	99.99	99	99.9	99.99
Generating volume (NL/min) ^{※2}	45	32	24	56	44	34
Pressure(MPa)	0.4	0.48	0.53	0.4	0.48	0.53
Operation mode	Pressure operation, timer operation, poor gas emission operation					
Dew point (°C)	Below -55					
Surrounding temperature/humidity	5~35°C ^{※4} / 10~80%RH					
Device dimensions WxDxH (mm)	390×710×1210(Caster+81mm)					
Device weight (kg)	Approx.185			Approx.200		
Electricity consumption (kW) ^{※3}	0.1					
Sound level ^{※5}	Exhaust noise:58.8dB					
Power supply voltage	AC100~240V 1φ 50/60Hz					
Supply air conditions	Under Pressure dew point ≤10°C Oil free air					
	Flow rate : 140L/min 0.7MPa			Flow rate : 200L/min 0.7MPa		

※1 N₂+Ar levels. ※2 Values converted to atmospheric pressure of 0°C under environment conditions of 20°C surrounding temperature and 60% relative humidity (RH). The amount of N₂ gas that can be produced may decrease due to surrounding temperature and humidity. ※3 It is power consumption per hour. ※4 When Surrounding temperature is high, equipment performance decreases. Ventilate the room when surrounding temperature is high. ※5 Actual measurement values at 1 m in front of the device, at 1 m above the ground, in a semi-anechoic chamber.

※For overseas specifications or special specifications not in our catalogue, please contact relevant staff at our company.

※Product improvements may lead to specifications changing without notice.