

Compact gas generator with built-in compressor



M Series



Nitrogen gas generator
99~99.99% 1.5-33NL/min



Oxygen gas generator
90% 4-8NL/min



Clean Dry Air generator
Atmospheric pressure dew point $\leq -70^{\circ}\text{C}$ 20 ~ 35NL/min



Features



Space saving

Multi layout casing

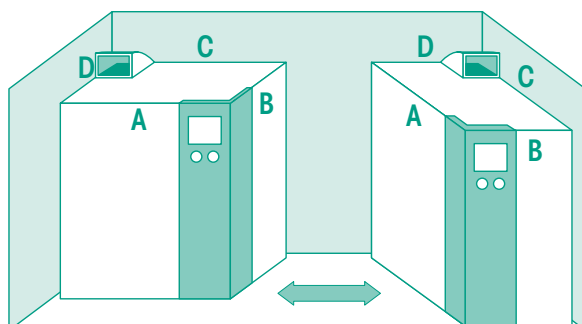
- Tow sides of enerator (rear and side) can install on wall surface. (C,D can install on wall surdace)
- The touch screen mounting surface can choose from two pattern. (It can choose from two sides A and B.)

Multi exhaust duct

- Exhaust direction can select 4 of the front, rear, left and right. As an option, the top direction is also available.

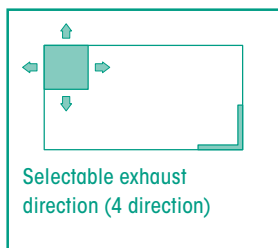
Downsize

- By renewal the internal layout, reducing generator volume by 34% and weight by 31%.(Reductinrate of 0.4kW one.)



Selectable touch screen mounting surface. (A or B surface)

Tow sides can install on wall surface (C and D surface)



Built-in oil free compressor

- Supply various gases only by power supply.
- By built-in drain evaporator, does not discharge outside.



Silent design 58dB(A)*

- Reduction of noise by optimizing air flow from intake to exfaust.
- Ventilation efficiency inside of generator has improved, the rise in temperature inside been reduced, and the dehumidifying capacity also improved.

* Actual measurement values at 1.5 m in front of the device, at 1 m above the ground in a semi-anechoic chamber.



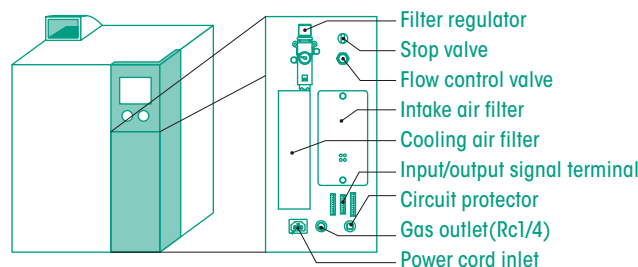
Industry-leading 8,000h guarantee

- 8,000h guarantee system including built-in compressor.※3



Improved operability and maubtainability by intensive layout

- Various settings and maintenance scren accessed by users were put in one screen together.
- Improvement of safety by separating from the maker maintenance part.



Newly designed exclusive board

- Pressure operation, timer operation and flow / concentration signal outout are standard, and it become multifunctional.

Specifications

Specification		Nitrogen 0.4kW								N ₂
Model		M1NT-0.4II -95-5(6)	M1NT-0.4II -96-5(6)	M1NT-0.4II -97-5(6)	M1NT-0.4II -98-5(6)	M2NT-0.4II -5(6)	M3NT-0.4II -5(6)	M4NT-0.4II -5(6)	M5NT-0.4II -5(6)	
Gas purity ^{※1}	%	95	96	97	98	99	99.9	99.99	99.999 ^{※6}	
Generating volume ^{※2}	NL/min	14.5(16)	13.5(15)	12.5(14)	11.5(13)	11(12.5)	7.5(8.5)	5.5(6)	1.5(2)	
Outlet pressure	MPa	0.25(0.3)		0.3(0.35)		0.35(0.4)	0.4(0.45)	0.45(0.5)	0.5(0.55)	
Dew point ^{※3}	°C	Below -60								
Ambient temperature/humidity	°C / %	5~35/10~80RH								
Power supply voltage	V	AC100V 1 φ 50/60Hz								
Power consumption	kW	0.4								
Dimension(WxDxH)	mm	390×600×620 or 600×390×620 ^{※5}								
Weight	kg	70								

Specification		Nitrogen 0.8kW								N ₂
Model		M1NT-0.8II -95-5(6)	M1NT-0.8II -96-5(6)	M1NT-0.8II -97-5(6)	M1NT-0.8II -98-5(6)	M2NT-0.8II -5(6)	M3NT-0.8II -5(6)	M4NT-0.8II -5(6)	M5NT-0.8II -5(6)	
Gas purity ^{※1}	%	95	96	97	98	99	99.9	99.99	99.999 ^{※6}	
Generating volume ^{※2}	NL/min	31(33)	29(31)	27(28)	25(27)	23(26)	15(17)	11(12)	4(5)	
Outlet pressure	MPa	0.25(0.3)		0.3(0.35)		0.35(0.4)	0.4(0.45)	0.45(0.5)	0.5(0.55)	
Dew point ^{※3}	°C	Below -60								
Ambient temperature/humidity	°C / %	5~35/10~80RH								
Power supply voltage	V	AC100V 1 φ 50/60Hz								
Power consumption	kW	0.8								
Dimension(WxDxH)	mm	430×700×800 or 700×430×800 ^{※5}								
Weight	kg	106								

Specification		Oxygen 0.4, 0.8kW		Clean Dry Air 0.6, 0.8kW		CDA	
Model		MOX-0.4II	MOX-0.8II	MCDA-0.6-5(6)	MCDA-0.8-5(6)		
Gas purity	%	90		JIS 0 · 2 · 0 ^{※4}			
Generating volume ^{※2}	NL/min	4	8	20(25)	30(35)		
Outlet pressure	MPa	0.1		0.2			
Dew point ^{※3}	°C	Below -55		Below -70			
Ambient temperature/humidity	°C / %	5~35/10~80RH					
Power supply voltage	V	AC100V 1 φ 50/60Hz					
Power consumption	kW	0.4	0.8	0.6	0.8		
Dimension(WxDxH)	mm	390×600×620 or 600×390×620 ^{※5}		390×600×620 or 600×390×620 ^{※5}		430×700×800 or 700×430×800 ^{※5}	
Weight	kg	70	106	73	106		

※1 Actual measurement values at 1.5 m in front of the device, at 1 m above the ground in a semi-anechoic chamber.

※2 N₂ purity is N₂ (nitrogen) +Ar (argon) capacity%.

※3 When converted to atmospheric pressure under conditions of device surrounding temperature of 20°C and humidity of 60%RH.

※4 The dew point is atmospheric dew point after stabilization

※5 JIS 0 · 2 · 0 is the standard of maximum particle content · under pressure dew point · total oil concentration.

※6 Casters and protruding objects not included.

*Figures in brackets are for 60Hz specification.

*Product improvements may lead to specifications changing without notice.

*This product is not CE marking, UL certified product. Please contact us for specifications outside of Japan.

*Please contact us for different voltage specifications.