

NDC

CO2 Free Air Dryer

Reference : NDC.[Flow rate]



Description

The NDC CO2-free air dryer purifies your compressed air network to provide a continuous supply of clean, dry (-70°C PDP) and CO2-free (< 1ppm) air. It allows the replacement of bottles of nitrogen or oxygen at high pressure.

The unit is very compact, save the space in the lab, silent, and easy to install.

The NDC can inform you when the service is due via the display screen.



Applications

FT-IR

Purge microscope

TOC

GC-FID

GC-ATD

Laser

Benefits & Savings

INCREASED LABORATORY EFFICIENCY

- The use of air without CO2 reduces significantly noise from background for techniques such as FT-IR
- Protects sensitive optics and air bearings from moisture
- Tested and approved by most TOC and FT-IR manufacturers

SIMPLE INSTALLATION AND ECONOMIC

By producing clean, dry air from an existing compressed air system, you save money compared to using bottles

ENHANCED SECURITY

The use of treated compressed air provides good instrument air quality, eliminating the need to change laboratory high pressure bottles.



Standard Features

- Air quality obtained
 - Water Dew Point less than -70°C (-100°F)
 - CO2 < 1 ppm
 - Particles < 1 μ
- Compact, lightweight design
- Patented PSA Technology
 - Operation and regeneration fully automatic
 - Complete repressurization which means that there is no pressure fluctuation
- Quiet operation
 - The new exhaust silencers significantly reduce the sound level of the dryer (< 60dB (A)).
- Easy maintenance
 - Single cartridge containing filtration and desiccant which can be easily exchanged without the need for special tools
 - Less than 15 minutes
- PLC screen
 - Dryer status, maintenance indication with alarm display



CO2
FREE AIR

MODELS	NDC.015	NDC.140	NDC.300	NDC.600	NDC.900	NDC.1200
GENERALS INFORMATIONS						
Max CO2 Free Air Flow rate	1.5 L/min	14 L/min	30 L/min	60 L/min	90 L/min	120 L/min
Min - Max CO2 Free Air pressure	4 bar (58 psi) - 16 bar (232 psi)					
CO2 Level	< 1 ppm					
H2O Dew Point	-70°C (-94°F)					
Particles	1 μ					
Inlet air flow rate required	2.5 L/min	23 L/min	50 L/min	100 L/min	150 L/min	200 L/min
Air loss for regeneration	1 L/min	9 L/min	20 L/min	40 L/min	60 L/min	80 L/min
Temperature range	From 1.5 - 50°C (34 - 122°F)					
Dimensions (W x H x D)	24.1 x 44.7 x 16 cm (9" x 18" x 6")	24.1 x 64.7 x 16 cm (9" x 25" x 6")	24.1 x 109.7 x 16 cm (9" x 43" x 6")	44 x 73.4 x 29.5 cm (17" x 29" x 6")		
Weight (kg/lbs)	8.3 / 18.3	12.8 / 28.3	19.3 / 42.5	40 / 88.2		
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz					
	110 - 120 V ac / 1 ph / 50 - 60 Hz					
Power consumption	18 Watt					
CONNECTIONS						
Inlet/outlet	G 3/8					

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 — Satisfaction Guaranteed —

The products are guaranteed 24 months*. Beyond, your investment continues to be supported by our maintenance program **[Gold Service]**. Our world class technical assistance offers Programmed preventive maintenance to ensure optimal performance of your Gas generator F-DGSi and a priority intervention in case of failure.

*Year 2 of warranty subject to generator being serviced at end of the first year by a F-DGSi-approved agent in accordance with fixed annual maintenance schedule. For full terms and conditions, visit www.f-dgs.com

GS: TECNOLOGIA APLICADA 

Certified Product

