

### Description

Compressed air is an important source of energy that is widely used throughout industry. This safe and reliable utility is often the most important part of a production process.

However, atmospheric air contains water vapour, which condenses to water droplets when the compressed air cools. Water and dirt in compressed air causes a major inconvenience and cost to the user, as it may damage the equipment connected to the compressor.

At the same time, moisture and heat from the compression of the air create favourable conditions for growth of microorganisms. If the compressed air is in direct contact with human beings, animals, food or medical equipment, hygiene problems may arise



### Applications

- GC-FID
- GC-ATD
- NMR
- Rheometer
- Atomic absorption

### Benefits & Savings

#### GUARANTEED PERFORMANCE

The dryer meets the highest standards of purity and delivers air in accordance with ISO 8573:1 – 2001, Class 2 dirt (1 micron) and Class 2 water (-40°C pressure dewpoint).

#### RELIABILITY

- Condensate collected in bottom of dryer column is vented with every dryer cycle
- Removal of condensate by timed solenoid valve improves reliability
- Small amounts of condensate are exhausted frequently, eliminating the risk associated with float drain malfunction
- Purge adjustment screws are located after fine dust filtration, eliminating the possibility of contamination and loss of performance

#### REDUCED ENERGY

- Probably the most energy efficient product of it's type\*
- Elimination of external filters and improved design reduces pressure drop through the dryer by 60%\*



### Standard Features

- **Quality air obtained :**
  - Water dewpoint less than -40°C (-40°F)
  - Particles < 1 micron
- **Patented PSA Technology :**
  - Operation and regeneration fully automatic
- **Complete purification unit :**
  - Integrating pre and post filtration and condensate drain
- **Turnkey solution**
  - Compact, and lightweight design
- **Easy maintenance**
  - Single cartridge containing filtration and dessicant which can be easily exchanged without the need for special tools
- **PLC Screen**
  - Dryer status, maintenance indication with alarm
- **Option : ENERGY SAVING**
  - Integrated hygrometer allowing to adjust the regeneration cycles in function of the output dewpoint

**DRY AIR**

MODELS	NDL.010	NDL.020	NDL.030	NDL.040	NDL.050
<b>GENERALS INFORMATIONS</b>					
<b>Max Dry Air Flow rate</b>	70 L/min	141 L/min	283 L/min	425 L/min	680 L/min
<b>Min - Max CO2 Pure Air pressure</b>	4 bar (58 psi) - 16 bar (232 psi)				
<b>H2O Dew Point</b>	-40°C (-40°F)				
<b>Particles</b>	1 µ				
<b>Inlet air flow rate required</b>	85 L/min	169 L/min	339 L/min	509 L/min	816 L/min
<b>Air loss for regeneration</b>	15 L/min	28 L/min	56 L/min	84 L/min	136 L/min
<b>Temperature range</b>	From 1.5 - 50°C (34 - 122°F)				
<b>Dimensions (W x H x D)</b>	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 89.7 x 16 cm (9" x 43" x 6")	24.1 x 109.7 x 16 cm (9" x 43" x 6")	24.1 x 109.7 x 16 cm (9" x 43" x 6")
<b>Weight (kg/lbs)</b>	8.3 / 18.3	12.8 / 28.3	16.4 / 36.2	40 / 88.2	
<b>Electrical supply</b>	220 - 240 V ac / 1 ph / 50 - 60 Hz				
	110 - 120 V ac / 1 ph / 50 - 60 Hz				
<b>Power consumption</b>	18 Watt				
<b>CONNECTIONS</b>					
<b>Inlet/outlet</b>	G 3/8				

**Gold Service**  
 — 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](http://www.f-dgs.com)

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Certified Product

