

# .red® Pure Air Generators



## Product datasheet, with compressor models

### Description

#### Features

- All-in-one pure air generator station for producing between 1.5 - 30L/min lab grade air suitable for GC-FID and other GC detectors (flow is model dependent)
- Removes hydrocarbon pollutants to less than 0.1ppm
- Removes 99.99% of particles of greater than 0.5µm
- Includes on-board compressor
- Outlet pressure ca. 0.5 bar less than inlet pressure
- Economical, safe alternative to cylinders
- Low running costs - uses only a tiny amount of energy
- No need for costly downstream secondary filtration
- Minimum maintenance with easy installation and operation
- Manufactured to a high quality following the rigorous ISO 9001 production control
- EC/UK version. Japanese and US versions also available



#### Technical Specifications

Models: Pure Air Generator 1.5 to 30

#### General specifications

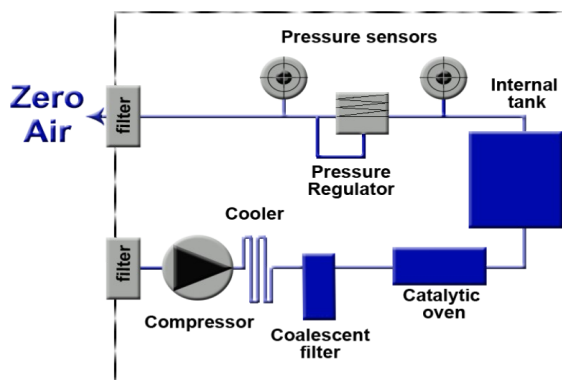
User interface: Pressure setting, system status, user parameter, Touch screen/LCD graphic display

Remote command: USB/download of the logfile possible

Power requirements: 230V/50Hz or 230V/60Hz or 115V/60Hz or 100V/60Hz

Ambient temperature: 10 to 40°C, 50 to 104°F

#### Schematic



# **.red® Pure Air Generators**



## **Product datasheet, with compressor models**

### **Dimensions and connections**

Dimensions: 36x64x67cm (WxDxH)  
Dimensions (shipping): 45x80x80 (WxDxH)  
Net Weight: 45 to 60Kg (depending on model)  
Gross (shipping) Weight: 55 to 70Kg (depending on model)  
Connections inlet:  
Connections outlet: 1/4" Swagelok male compression

### **Output**

Delivery pressure: Up to 90psig/6 barg  
Particle filtration level: <0.1µm  
Air purity: Less than 0.1ppm total hydrocarbons  
Flow rate at normal conditions: 1.5 to 90NL/min (depending on model)  
Power consumption: 400 to 750 Watts (depending on model)

### **Ordering information**

Code	Description	Model
700844	Pure Air Generator 1.5 dot-red® 1.5NL/min EU	dot-red Pure Air 1.5 E
700845	Pure Air Generator 1.5 dot-red® 1.5NL/min US	dot-red Pure Air 1.5 U
700846	Pure Air Generator 1.5 dot-red® 1.5NL/min J	dot-red Pure Air 1.5 J
700847	Pure Air Generator 3 dot-red® 3NL/min EU	dot-red Pure Air 3 E
700848	Pure Air Generator 3 dot-red® 3NL/min US	dot-red Pure Air 3 U
700849	Pure Air Generator 3 dot-red® 3NL/min J	dot-red Pure Air 3 J
700850	Pure Air Generator 6 dot-red® 6NL/min EU	dot-red Pure Air 6 E
700851	Pure Air Generator 6 dot-red® 6NL/min US	dot-red Pure Air 6 U
700852	Pure Air Generator 6 dot-red® 6NL/min J	dot-red Pure Air 6 J
700853	Pure Air Generator 10 dot-red® 10NL/min EU	dot-red Pure Air 10 E
700854	Pure Air Generator 10 dot-red® 10NL/min US	dot-red Pure Air 10 U
700855	Pure Air Generator 10 dot-red® 10NL/min J	dot-red Pure Air 10 J
700856	Pure Air Generator 20 dot-red® 20NL/min EU	dot-red Pure Air 20 E
700857	Pure Air Generator 20 dot-red® 20NL/min US	dot-red Pure Air 20 U
700858	Pure Air Generator 20 dot-red® 20NL/min J	dot-red Pure Air 20 J
700859	Pure Air Generator 30 dot-red® 30NL/min EU	dot-red Pure Air 30 E
700860	Pure Air Generator 30 dot-red® 30NL/min US	dot-red Pure Air 30 U

## **.red<sup>®</sup> Pure Air Generators**

### **Product datasheet, with compressor models**



#### **Spare parts and consumables**

Maintenance compressor kit, models 1.5 to 3L: 376000907

Maintenance compressor kit, model 6L: 376000908

Note No maintenance kit for models 10 to 30L required

Replacement dust and coalescing filter set (models 1.5 to 30L): 671102220

Spare air catalyst oven, 230V (models 1.5 to 6L): 5735001821

Spare air catalyst oven, 100-110V (models 1.5 to 6L): 5735001822

Spare air catalyst oven, 230V (models 10 to 30L): 5735001841

Spare air catalyst oven, 100-110V (models 10 to 30L): 5735001842

