

# **.red<sup>®</sup> Ultra Pure Air Generator**



## **Product datasheet**

### **Description**

#### **Features**

- All-in-one Ultra Pure air generator station for producing between 1.5 - 30L/min high purity air suitable for a range of laboratory applications (flow is model dependent)
- Typical use includes flame gas for GC (eg. GC-FID, GC-FPD, GC-THC), zero air for THC, TOC, TGA, ELSD etc., Cal-G feed gas, etc.)
- Removes hydrocarbon pollutants to less than 0.1ppm
- Removes carbon monoxide to less than 0.05ppm
- Removes carbon dioxide to less than 5ppm
- Removes oxides of nitrogen to less than 0.05ppm
- Air output is very dry - dew point is less than -50°C (-58°F)
- Particle filtration level 0.1µm
- Includes on-board compressor
- Economical, safe alternative to high pressure cylinders
- Low running costs - uses only a tiny amount of energy
- No need for costly downstream secondary filtration
- Minimum maintenance, easy installation and operation
- Manufactured to a high quality following the rigorous ISO 9001 production control
- EC/UK, Japanese and US versions available



### **Technical Specifications**

Models: Ultra Pure Air Generator models 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

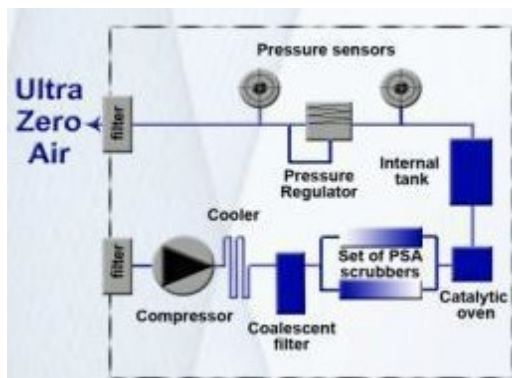
Ambient temperature conditions: 10 to 40°C, 50 to 104°F

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### Schematic



### Dimensions and connections

Dimensions: 36x64x67cm (WxDxH)  
Dimensions (shipping): 45x80x80 (WxDxH)  
Net Weight: 55 to 70Kg (depending on model)  
Gross (shipping) Weight: 65 to 90Kg (depending on model)  
Connections inlet:  
Connections outlet: 1/4" Swagelok male compression

### Output

Delivery pressure: Up to 90psia/6 barg  
Particle filtration level: <0.1µm  
Air purity: Less than 0.1ppm total hydrocarbons  
Flow rate at normal conditions: 1.5 to 30NL/min  
Power consumption: 420 to 570 Watts (depending on model)



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### Ordering information

| Code   | Description                                     | Model                      |
|--------|---|----------------------------|
| 700881 | Ultra Pure Air Generator 1.5 dot-red® 1.5L/m J  | dot-red Ultra Pure Air 1.5 |
| 700880 | Ultra Pure Air Generator 1.5 dot-red® 1.5L/m US | dot-red Ultra Pure Air 1.5 |
| 700879 | Ultra Pure Air Generator 1.5 dot-red® 1.5L/mn E | dot-red Ultra Pure Air 1.5 |
| 700882 | Ultra Pure Air Generator 3 dot-red® 3NL/min EU  | dot-red Ultra Pure Air 3 E |
| 700884 | Ultra Pure Air Generator 3 dot-red® 3NL/min J   | dot-red Ultra Pure Air 3 J |
| 700883 | Ultra Pure Air Generator 3 dot-red® 3NL/min US  | dot-red Ultra Pure Air 3 U |
| 700885 | Ultra Pure Air Generator 6 dot-red® 6NL/min EU  | dot-red Ultra Pure Air 6 E |
| 700887 | Ultra Pure Air Generator 6 dot-red® 6NL/min J   | dot-red Ultra Pure Air 6 J |
| 700886 | Ultra Pure Air Generator 6 dot-red® 6NL/min US  | dot-red Ultra Pure Air 6 U |
| 700890 | Ultra Pure Air Generator 10 dot-red® 10NL/min J | dot-red Ultra Pure Air 10J |
| 700888 | Ultra Pure Air Generator 10 dot-red® 10NL/mn EU | dot-red Ultra Pure Air 10E |
| 700889 | Ultra Pure Air Generator 10 dot-red® 10NL/mn US | dot-red Ultra Pure Air 10U |
| 700893 | Ultra Pure Air Generator 20 dot-red® 20NL/min J | dot-red Ultra Pure Air 20J |
| 700891 | Ultra Pure Air Generator 20 dot-red® 20NL/mn EU | dot-red Ultra Pure Air 20E |
| 700892 | Ultra Pure Air Generator 20 dot-red® 20NL/mn US | dot-red Ultra Pure Air 20U |
| 700896 | Ultra Pure Air Generator 30 dot-red® 30NL/min J | dot-red Ultra Pure Air 30J |
| 700894 | Ultra Pure Air Generator 30 dot-red® 30NL/mn EU | dot-red Ultra Pure Air 30E |
| 700895 | Ultra Pure Air Generator 30 dot-red® 30NL/mn US | dot-red Ultra Pure Air 30U |

### Parts supplied

Standard: 1 x Ultra Pure Air Generator unit, 1 x CD-manual

### Servicing

Action & frequency: Change filters (coalescent and dust) every 6 months. Service every 12 months.

### Spare parts and consumables

Compressor maintenance kit, models 1.5 and 3L: 376000907

Compressor maintenance kit, models 6L: 376000908

Note no compressor kits required for models 10 and 30L

Replacement dust and coalescing filter set, all models 10L to 30L: 671102220

Refill of specific scrubbers material, all models 1.5L to 30L: 671103250

Replacement catalysis oven, new, models 1.5 to 6L, 230V: 5735001821

Replacement catalysis oven, new, models 1.5 to 6L, 100-115V: 5735001822

Replacement catalysis oven, new, models 10 to 30L, 230V: 5735001841

Replacement catalysis oven, new, models 10 to 30L, 100-115V: 5735001842

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