

# .red® 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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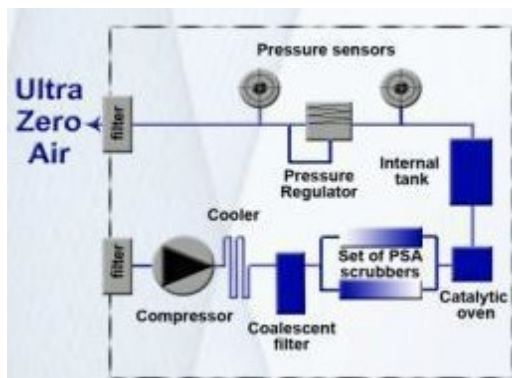


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### Schematic



### 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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**STRATLAB**

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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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