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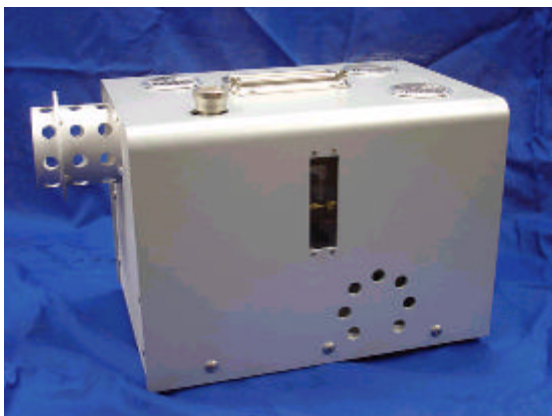
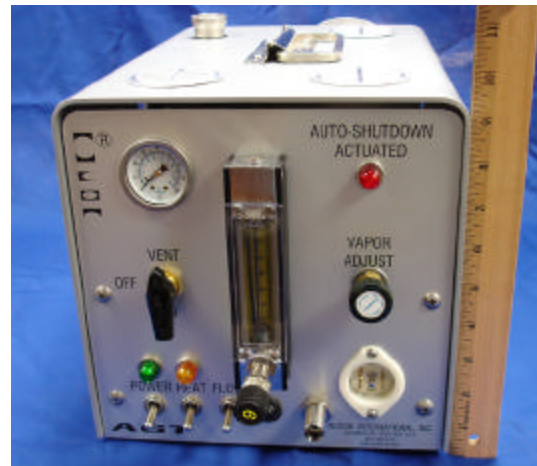
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# NUCON<sup>®</sup> Model AGT<sup>™</sup> Aerosol Generator

The NUCON Model AGT is a high-output portable thermal aerosol (DOP or PAO) generator. It can provide up to 241 mL/min of submicron PAO, or 121 mL/min of submicron DOP, aerosol.

System pressure indicator and all operational controls are on the front panel.

Liquid to gas phase conversion takes place in a continuous stainless steel coil cast in an aluminum block. Heater cartridges and thermal switches are inserted in the block, ensuring maximum thermal conductivity and mass with maximum safety.



- All operations are front panel controlled.
- Rugged design for field use.
- Filling is very easy with quick-connect funnel (no tools required).
- Auto Shutdown failsafe for three modes - electronics overheat, block overheat, or aerosol overheat.
- Leak-tight, long life and safe aerosol generation.

# NUCON International, Inc

7000 Huntley Road  
 Columbus, OH 43229  
 Tel: +614-846-5710 Fax: +614-431-0858  
 www.nucon-int.com

# NUCON<sup>®</sup> Model AGT<sup>™</sup> Thermal Aerosol Generator

The NUCON Model AGT is unique in its ability to produce large volumes of submicron aerosol in a compact, portable instrument. All critical parameters (temperature, pressure and flow) are precisely controlled for consistent, repeatable performance.

Temperature is controlled by state of the art temperature switches. Flow is set using a built-in liquid flowmeter. A separate ON/OFF switch starts and stops liquid flow to the heater block without changing flow rate settings.

## Model AGT Technical Specifications

### Output

PAO: maximum output up to 241 mL/minute of submicron aerosol.  
 Constant operation at 221 mL/minute.

DOP: maximum output up to 121 mL/minute of submicron aerosol.  
 Constant operation at 102 mL/minute.

### Power Requirements

120 (± 10) VAC  
 19 Amps (heaters on)  
 2280 Watts

### Aerosol Size

99+% < 3.0 micrometer  
 50+% < 0.7 micrometer  
 10+% < 0.4 micrometer

### Reservoir Capacity

~ 1 quart (~1 L)

### Compressed Air or Nitrogen

Minimum: 80 psi  
 Maximum: 190 psi

### Size

18.75" x 9.32" x 10.06"  
 (477 mm x 237 mm x 265 mm)

### Weight

35 lbs (16 kgs)

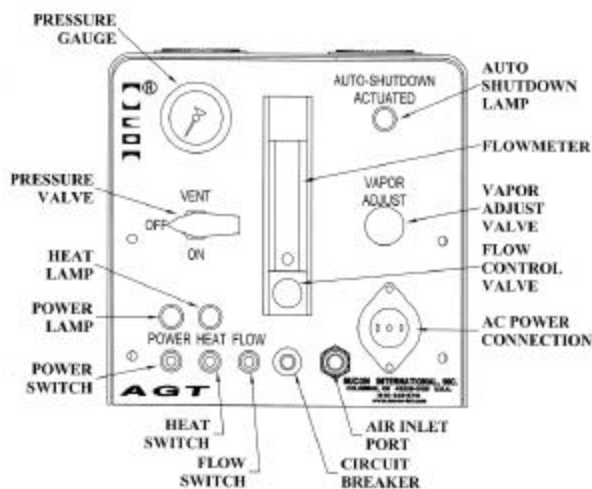


Figure 1 - Front Panel

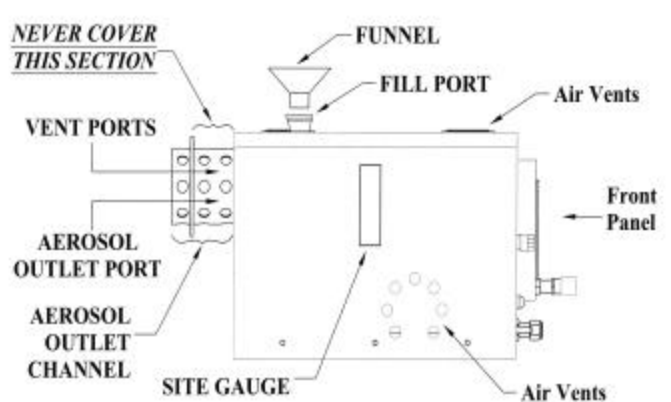


Figure 2 - Side View