

# The **ROCKET** Portable Smoke System



**5 YEAR**  
Pea Soup  
warranty  
Lifetime guarantee on heater block

- Compact and robust
- Off power capability
- Water based, non toxic smoke
- Persistent smoke remaining visible for long periods
- Controllable smoke, from a small wisp to a large plume
- World Class-leading particle size 0.2 micron mass median diameter
- NATO codified version available



| General Specification (approx.)                | PS23<br>ROCKET  | PS25<br>ROCKET TURBO   |
|--|---|--|
| Size (cm) (L x W x H)                          | 36cm x 14cm x 20cm  |  |
| Weight   | 5.5kg   | 7kg  |
| Heat exchanger wattage                         | 1,100W  | 2,200W   |
| Power Supply                                   | 230v, 50 – 450Hz*<br>(110v, 50 – 450Hz* optional)             |  |
| Warm up time from cold                         | 5 mins  | 4 mins   |
| Duration of aerosol at maximum output, approx. | 15 mins   | 8 mins   |
| Smoke output                                   | 0 – 180 m <sup>3</sup> /min.<br>(6,350 ft <sup>3</sup> /min.) | 0 – 340 m <sup>3</sup> /min.<br>(12,000 ft <sup>3</sup> /min.) |
| Particle size (mass median diameter)           | 0.2 - 0.3 micron  |  |
| Operation off the mains power supply?          | Yes   |  |

\* 450Hz basic unit only

The Rocket is a compact, portable and powerful smoke generator that is incredibly easy to use.

In its Basic format, the Rocket can produce a considerable amount of smoke “off power” using the retained energy within the high mass heat exchanger block. This allows an operator to carry the generator from room to room, making smoke as required, without a trailing electrical lead. The Remote version allows for both “off power” and remote operation (the latter only applying whilst power is connected).

Simple to operate, these machines are used worldwide by numerous training centres, armed forces, shipping lines and fire authorities for adding realism to their training exercises. They are also very popular for air flow visualisation tests with HVAC contractors and analytical laboratories for LEV tests, spray booth clearance testing, leak testing as well as for special effects work in TV and film.

#### Principal of operation:

Smoke chemical, stored in a one-piece aluminium canister is forced under pressure through the precision machined heat exchanger, where it is vaporised. The vapour condenses to form a “smoke” effect with a class-leading particle size (an order of magnitude smaller than most “conventional” smoke systems), which means that dense smoke can be achieved for substantially lower concentration of chemical in the atmosphere. The resulting smoke has been analysed by independent laboratories to ensure that it is both non-toxic and non-flammable. Canisters re-seal after use, so no wastage occurs, and part-used canisters can be utilised later. Smoke from the systems can be ducted if required.

These smoke machines are particularly suited to large volume requirements due to their high persistency. The Rocket Turbo is one of the most powerful hand-held systems available today. Both units have a 5 year warranty with lifetime guarantee on the heater block

**Pea Soup**

UK +44 (0)1642 769952    www.smokemachines.net

QUALITY ASSURED



MADE IN BRITAIN

Designed and produced under

