



## *PS27 Spirit 900 Smoke machine*

The Spirit 900 Smoke Generator is well suited to applications where continuous, high smoke output is required.

Using an MOV protected solid state relay for heater switching at zero volts, and a plug-in electronic module, the Spirit 900 does not compromise in the other key components used within the system.



The pump draws Smoke Fluid A (persistent) or Smoke Fluid B (quickly dispersing) from its integral 2 litre reservoir (or an external reservoir if specified), forcing it into the unique precision machined heat exchanger, where it is vaporised. On exiting the heat exchanger, the vapour condenses to form dense, white, non-toxic smoke, with an incredibly consistent, and small particle size of 0.2 - 0.3 micron.

The Spirit 900 was voted overall winner in Fire Professional magazine's Back to Back 1999 smoke generator test, against four other leading brands. They concluded, "So the Spirit 900 wins". The article goes on to describe the 900's performance "overall, across the testing criteria, it scored heavily and consistently. It's beautifully made, works well and from what we have seen here makes extremely efficient use of the fluid - a consumable that those of you who are acutely budget conscious will want to keep your eye on."

- Continuous smoke output
- Precision machined heat exchanger, guaranteed for life
- 2 litre internal reservoir with sight glass
- Solid state switching
- 5 year parts warranty
- Supplied with 5 metre remote control
- Can produce persistent (Fluid A) or quickly dispersing smoke (Fluid B) as required

### Specifications

<b>Power Requirements:</b>	120V / 230V, 50/60Hz 2.2kW.
<b>Dimensions: (H x W x L)</b>	H: 290mm (11.6in.) W: 230mm (9.2in.) L: 550mm (22in.)
<b>Weight:</b>	13.5kg (29.7lbs.)

### Operation:

- Warm up time from cold: 5 minutes
- Duration of full fluid tank at maximum output: 40 minutes
- Smoke output: 0 - 420 m<sup>3</sup>/min @1.5m visibility (14,830 ft<sup>3</sup>/min)
- Particle size 0.2 - 0.3 micron, mass median diameter

Available for 240V / 110V supplies.

UK delivery as standard. Can be shipped worldwide.

### Accessories available:

Ducting adaptor, ducting, Spirit 900 with external fluid reservoir.

### AQAP1

### NATO Quality Assurance

'for the design and production of non-toxic smoke systems for the military, industrial and security

