



- Temperature resistant, extremely persistent, safe smoke
- Recommended for all fixed BA applications, large volume smoke logging, tunnel testing and car park ventilation tests
- Splash proof switching
- Machined heater block, guaranteed for life
- Continuous smoke output
- Controllable smoke, from a small wisp to a large plume

General Specification (approx.)	PS33HI
Size (cm) (L x W x H)	55 x 19 x 44 cm
Weight	20 kg
Heat exchanger wattage	2,200 watts
Power Supply	230v, 50hz (110v, 50/60hz optional)
Warm up time from cold	4 minutes
Fluid tank capacity	5 litres
Smoke output (m3/min @ 1m visibility)	300
Duration at max. output before refill	85 minutes
Particle size (mass median diameter)	0.2 micron

The Phantom is one of the world's most capable smoke systems.

The unit produces a non toxic, food quality, oil based smoke entrained in an inert carrier gas stream. The smoke from standard systems is resistant to temperatures of up to 135°C before layering occurs (compared to 40-50°C for most water based smoke systems) enabling dense smoke concentrations to be achieved and maintained in hot fire simulators throughout the world.

The smoke produced by the Phantom is also extremely persistent, dramatically outlasting even the best water based smokes in ambient temperature conditions. This makes the Phantom the smoke system of choice for large, fixed BA complexes, with

or without heat, as well as for major emergency exercises and ventilation tests in large car parks.

Typically, 2 x PS33HI systems would be capable of filling **an entire road tunnel** (250,000 m3 plus) with smoke.

The smoke from the Phantom is fully controllable, from a small wisp to a large plume, and it can be passed through lengths of flexible ducting if required.

The Phantom smoke system is virtually maintenance free. At the end of every smoke operation the heat exchangers and filters are automatically purged with a small amount of inert gas, ensuring consistent reliable performance you can depend on, day in, day out.