

The Concept ViCount Smoke System

For Wind Tunnel and air tracing applications



Concept Smoke Systems—Quality Assured



- Particle size 0.2—0.25µm mmd (adjustable if required)
- Fully automatic self purge after every operation
- Controllable from a small wisp to a large plume
- Will support Oil and Water based smoke chemicals
- IP 65 Microprocessor with PID control
- Machined Heater block, guaranteed for life
- Quick connect coupling to any size of inert gas bottle
- 2kg CO2 cylinder and regulator

| General Specification (approx) | ViCount 1300 | ViCount 5000 |
|--|---------------------------|---------------------------|
| Size (cm) | 35 x 19 x44 | 55 x 19 x 44 |
| Weight ((kg) | 13 | 20 |
| Heat Exchanger (w) | 1100w or 2200w | 1100w or 2200w |
| Power Supply | 230vAC, 50-60Hz | 230vAC, 50-60Hz |
| Optional | 110vAC, 50-60Hz | 110vAC, 50-60Hz |
| Warm up time from cold (min) | 4 | 4 |
| Duration at max output before refill (minutes) | 40 (1100w) 22 (2200w) | 145 (1100w) 85 (2200w) |
| Smoke Reservoir capacity (nominal ml) | 1300 | 5000 |
| Aerosol output (µg/sec) 1.1kw | 0-466,000 | 0-466,000 |
| Aerosol output (µg/sec) 2.2kw | 0-850,000 | 0-850,000 |
| Smoke Particle diameter (micron, mass median) | 0.2-0.25 | 0.2-0.25 |
| Remote operation | Included with every model | Included with every model |

The ViCount range of systems produces a consistent aerosol / smoke particle size and distribution throughout a wide range of pressures, and will produce anything from a tiny wisp to a large plume of smoke, on demand.

The units are normally configured for use with Smoke Oil 135, although they will support water based chemicals as well with minor re-programming.

Smoke from the ViCount can be passed through flexible ducting if required using optional ducting adaptors (25mm, 50mm and 75mm available). Further reductions can be made, and we are happy to advise on the construction of rakes etc

The ViCount's are available in a stainless steel finish if required.

All ViCounts carry a "Lifetime" heater block warranty



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