

The Concept ViCount 180 Smoke System



- Smoke Temperature Resistant to 200°C
- Extremely Persistent Smoke
- Recommended for all fixed BA applications and large volume smoke logging / tunnel testing
- Splash Proof Switching
- IP 65 Microprocessor
- Machined Heater block, guaranteed for life
- Continuous Smoke Output
- Controllable smoke, from a small wisp to a large plume

Concept Smoke Systems—Quality Assured

General Specification (approx)	ViCount1300	ViCount 5000
Size (cm)	35 x 19 x 44	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
Smoke output (m ³ /min @ 1m visibility) 1.1kW	0-150	0-150
Smoke output (m ³ /min @ 1m visibility) 2.2kW	0-290	0-290
Smoke Particle dia (micron, mass median dia)	0.2	0.2
Remote operation	Included with every model	Included with every model

The ViCount 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 is resistant to temperatures of up to 200°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 ViCount is also extremely persistent, dramatically outlasting even the best water based smokes in ambient temperature conditions. This makes the ViCount the smoke system of choice for large, fixed BA complexes, with or without heat, as well as for major emergency exercises. The UK's Fire Service Colleges Urban Search and Rescue centre for example utilises the ViCount.

Typically, 2 x ViCount 5000/180/2.2 kW systems would be capable of filling **an entire road tunnel** (250,000 m³ plus) with smoke.

As with all Concept mains powered systems, the smoke from the ViCount is controllable, from a small wisp to a large plume, and it can be passed through flexible ducting if required.

The ViCount 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 performance, day in, day out.



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