

Concept ViCount 180 Smoke System



- Smoke resistant to 200°C
- Extremely persistent smoke
- Recommended for all fixed or large scale BA applications & large volume smoke logging / tunnel testing
- Splash proof switching
- IP 65 Microprocessor
- Machined heater block, guaranteed for life
- Continuous smoke output
- Ideal for PPV work and Hot Fire Training

General Specification (approx)	ViCount 1300/180	ViCount 5000/180
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 (+10%/-6%), 50-60Hz	230vAC (+10%/-6%), 50-60Hz
Optional	110vAC, (+10%/-6%), 50-60Hz	110vAC (+10%/-6%), 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
Max Smoke output (m ³ /min @ Ext Coefficient 1k/m) 1.1kW	263	263
Max Smoke output (m ³ /min @ Ext Coefficient 1k/m) 2.2kW	510	510
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 (HMS Excellent—the worlds largest Hot Fire Training complex - pictured below)

The smoke produced by the ViCount (although intrinsically bio-degradable) is 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.

Typically, 2 x ViCount 5000/180/2.2 kW systems would be capable of filling an entire road tunnel (250,000 m³ - 3.5km long) 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 and fan assisted 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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