

PPV / Impulse Ventilation Smoke System

ViCount 5000/180



- Smoke does not evaporate like conventional water based training smoke
- Used extensively in Tunnel Testing, Car Park Ventilation Testing and PPV training
- Capable of smoke logging huge volumes
- 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

General Specification (approx)	ViCount 5000/180
Size (cm)	55 x 19 x 44
Weight (kg)	20
Heat Exchanger (w)	1100w or 2200w
Power Supply	230vAC, 50-60Hz
Optional	110vAC, 50-60Hz
Warm up time from cold (min)	4
Duration at max output (minutes)	145 (1100w) 85 (2200w)
Smoke Reservoir capacity (ml)	5000
Smoke Output (m ³ /min @ 1m visibility) 1.1kw model / 2.2kw model	0-150 / 0-290
Smoke Particle dia (µ, mass median dia)	0.2
Remote operation	Included



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 does not evaporate like that produced by water based systems, enabling dense smoke concentrations to be achieved and maintained in exceptionally large volumes. This feature also makes the ViCount 180 smoke extremely capable when demonstrating the effectiveness of impulse ventilation systems and PPV.

The class leading particle size of the ViCount smoke not only means that premises can be smoke logged with no residue (from glass atriums to conventional building / offices and BA training facilities), but that dramatically less chemical is used to achieve dense smoke concentrations.

This means that the ViCount 500/180 is not only one of the world's most efficient smoke generators but is also one of the safest.

As an example of the exceptional performance of this system, 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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