

Concept Smoke Systems

CEL Smoke Scrubbers



For many years Concept have produced specialist aerosol and smoke generating equipment for the chemical, biological and nuclear industries, for testing the efficacy of the HEPA filters in these cleanroom environments.

Concept has now applied this technology in the development of a range of **Smoke Scrubbers**. These units create a negative pressure to quickly and efficiently draw artificial smoke from a compartment or simulator through a filter bank. The resulting output of the scrubber is smoke free clean air, avoiding the need and cost associated with discharging smoke externally.

Replacement filters are readily available. Depending on the application, smoke density and frequency of operation the Smoke Scrubbers can be used for hundreds of smoke clearing operations before the changing of filters is required. Please contact us with details of your application and we can advise you regarding suitability.

The Smoke Scrubbers incorporate an input spigot, so the unit can be mounted in an adjacent room to the one being vented, and the smoke extracted from the smoke filled room via a suitable flexible hose.

Concept's Smoke Scrubbers enable users to generate artificial smoke in internal environments where conventional venting would be impractical, with the confidence that the smoke can be cleared quickly and efficiently at the touch of a button.

All units feature variable speed control, an hour meter, and a manometer that compares internal pressure with atmospheric pressure, which customers can use as a guide to when filters need to be replaced.

Specification (approx.)	CEL SS - 800	CEL SS – 2000	CEL SS – 5000
Max Flow Rate (m3/hr)	800	2250	5450
Weight (kgs)	18	43	82
Dimensions inc spigot (cm)	42 x 45 x 46	50 x 56 x 94	71 x 85 x 113
Input Spigot diameter (cm)	30	30	40
Voltage options 50Hz	110v / 230v	110v / 230v	110 / 230v
Amperage - running- 110/230v (A)	2.2 / 1.1	11.0 / 5.5	25.0 / 12.0
Clearing room volume in 15 min (m3)	160	250 – 300	600 – 700
Replacement Pre Filter	SS-800– PF	SS-2000-PF	SS-5000-PF
Replacement HEPA Filter	SS-800-HEPA	SS-2000-HEPA	SS-5000-HEPA

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