

New device eliminates toxic residues

Pulsatron Technology Corporation, the United States, has developed a new device that can destroy harmful residues resulting from the incineration of dioxans/furans, hexachlorobenzene and polychlorinated biphenyls. The Pulsatech® unit uses high-voltage electrical impulses within a closed reaction chamber to split polluting molecules into their constituent parts before being released into the atmosphere. This system can destroy up to 95 per cent of NO_x produced at 10,000 ppm at a flow rate of approximately 200 ft³/m. It is also effective at mitigating emissions of formaldehyde (around 200 ppm), ethylmercaptans (100 ppm) and styrene (200 ppm) at a flow rate between 20,000 ft³/m and 40,000 ft³/m, rendering 99 per cent of these molecules harmless.

Toluene emissions in the range of 100 ppm, at a rate of 20,000 ft³/m, can be effectively destroyed.
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Website: <http://www.ens.lycos.com/e-wire/Dec00/15Dec0004.html>