

NEUTRAMIST®

Solidfog catalytic system for airborne VH_2O_2 decontamination cycles



PURPOSE

Shortening cycle times of VH_2O_2 decontamination cycles by using a catalytic system that quickly breaks H_2O_2 in H_2O and O_2 and thus, reduces the level of H_2O_2 ppm.

WORKING PRINCIPLE

After the contact time, the catalytic system is switched on; the ventilator (G) starts and the air with VH_2O_2 pass through the catalytic element and is exhausted by the outlet flange.

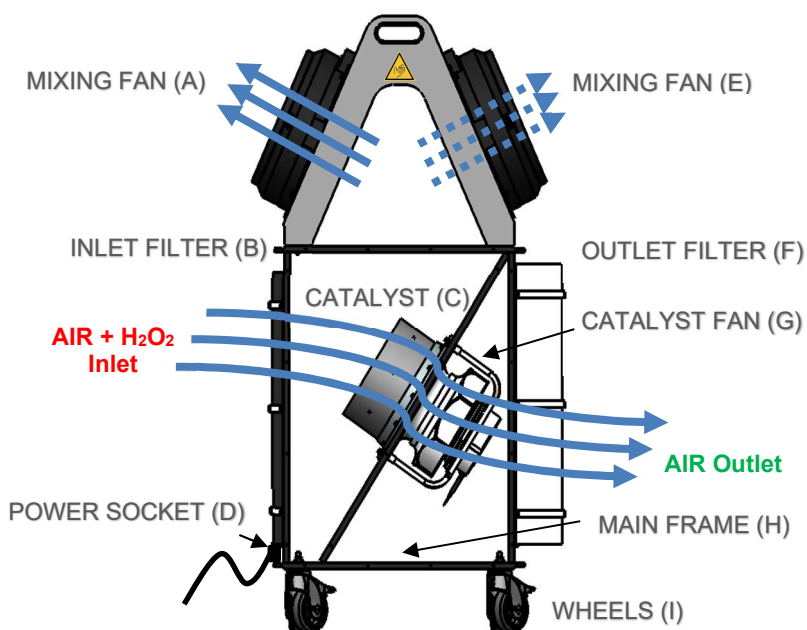
The 2 mixing fans are running independently. When Fan (A) is running, the Fan (E) is in standby, then working sequence change. The mixing fans generate a huge turbulence in the room to force the remaining VH_2O_2 to pass through the catalytic element.

Depending on the VH_2O_2 concentration at the inlet flange, the remaining % may vary from 0,0 to 5,0ppm after one passage in the catalytic element.

RESULTS

The implementation of the Neutramist® in cleanrooms submitted to VH_2O_2 decontamination allows to reduce the aeration time. Following cycles and room specifications, gain of time will vary.

Results can be documented on this base: concentration of 600 to 800 ppm at the inlet of the NeutraMist and in 1 passage through it, less than 5ppm at the outlet. It allows also very big economy in use of ventilation system of the cleanroom.



A & E : Mixing fan with high efficiency turbulence

B: Air/ H_2O_2 inlet flange with HEPA filter

C: Active coated ceramic

D: Power plug with shutoff

F: Air Outlet flange with HEPA Filter

G: High capacity catalytic ventilator

H: Main frame in HPL

I: Wheels (4) with brakes

DISTRIBUIDOR AUTORIZADO:



netSteril
info@netsteril.com

SOLIDFOG TECHNOLOGIES SPRL

Rue de la Croix Limont 42 • 5590 Ciney • Belgique

T.: +32 (0)83 65 56 08 • F.: +32 (0)83 67 85 05 • info@solidfog.com • TVA : BE0887250387

www.solidfog.com