



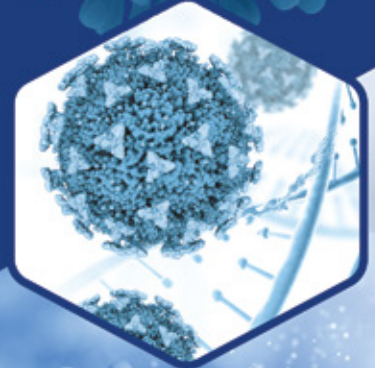
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Inhalation Exposure System



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Inhalation Exposure Systems

This Inhalation Exposure System provides whole-body exposure for approximately 10-15 mice.

New features include sensors to monitor flow within the chamber; incinerator performance, system timers for filters and UV, plus 5 recipe creation files.



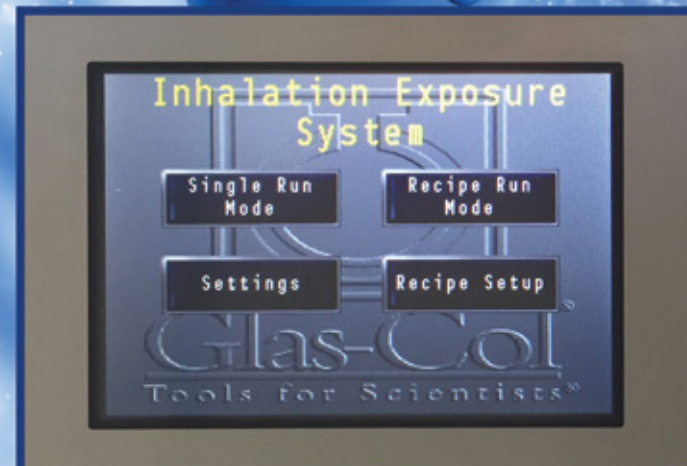
Overview: DESKTOP IES

The desktop Inhalation Exposure System provides the same reproducible animal exposure to droplet-borne contaminants and infectious agents as our standard floor unit. It also produces deep-lung infections that more closely simulate real-world circumstances.

The system allows you to vary the concentration of airborne pathogens, the rate of air flow, and the length of exposure, so experiments can be reproduced accurately and adjusted easily. UV lamp (254nm), HEPA filter (0.2um) and an air incinerator (600°F) for decontamination provide additional protection in the lab.

The system is a side loading whole-body exposure chamber for the quantitative experimental infection of animals by inhalation of air bearing the pathogenic agent. The heart of the system is the nebulizer-venturi unit into which the suspension is introduced. Air under pressure atomizes the suspension, which is mixed with filtered room air drawn into the system by suction beyond the decontamination system. By varying the number of micro-organisms in the suspension, the proportion of bacteria-bearing nuclei can be varied. The system permits control of the volume of air moving through the chamber per unit time.

The animals are placed in a (2) compartmented mesh stainless steel basket within the chamber. Compressed air and vacuum pump, along with the necessary controls and flow indicators, are built into the system. A programmable control is used to time: **preheat, nebulizing, cloud decay, and decontamination periods.**





Inhalation Exposure Systems

The Side Door Desktop Inhalation Exposure System has the following features:

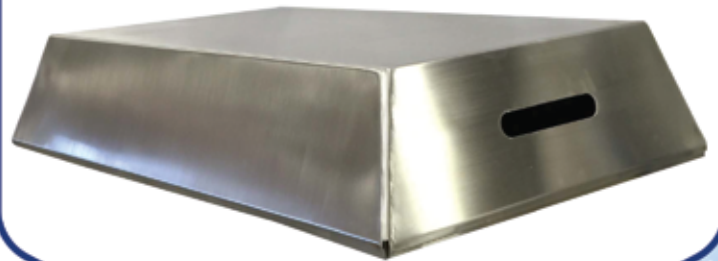


Specifications:

- Size:** 35" w x 24" d x 18" h
- On/Off switch:** Located on front of unit
- Incinerator:** Located on left side of unit
- Finish:** Stainless Steel outer shell
- Cord:** Detachable 3-wire 6' long
- Weight:** 85 lbs.



Stainless Steel Air Deflector available and rests on top of the Desktop IES systems when used in Hood.



Category Number	Description	Input Voltage
099C A6212	Whole-body exposure chamber	120V
099C A6224	Whole-body exposure chamber	240V
R96 643	Nebulizer	N/A
R64 390	Replacement Input HEPA Filter 0.3um	N/A
R64 442	Replacement Output HEPA Filter 0.2um	N/A
R60 828	Replacement UV Lamp 18W, 254nm, 4-pin design	N/A
099C 0616700029	Stainless Steel Air Deflector	N/A



Inhalation Exposure Systems



Overview: FLOOR MODEL IES

The Inhalation Exposure System provides reproducible animal exposure to droplet-borne contaminants and infectious agents. It also produces deep-lung infections that more closely simulate real-world circumstances.

The system allows you to vary the concentration of airborne pathogens, the rate of air flow, and the length of exposure, so experiments can be reproduced accurately and adjusted easily. UV lamp (254nm), HEPA filter (0.3um) and an air incinerator for decontamination provide additional protection in the lab.

The system is a top loading whole-body exposure chamber for the quantitative experimental infection of animals by inhalation of air bearing the pathogenic agent. The heart of the system is the nebulizer-venturi unit into which the suspension is introduced. Air under pressure atomizes the suspension, which is mixed with filtered room air drawn into the system by suction beyond the decontamination system. By varying the number of micro-organisms in the suspension, the proportion of bacteria-bearing nuclei can be varied. The system permits control of the volume of air moving through the chamber per unit time.

The animals are placed in a (5) compartmented mesh stainless steel basket within the chamber. Compressed air and vacuum pump, along with the necessary controls and flow indicators, are built into the system. A programmable control is used to time: **preheat, nebulizing, cloud decay, and decontamination periods.**

This Inhalation Exposure System provides whole-body exposure for approximately 100 mice.

New features include sensors to monitor flow within the chamber, incinerator performance, system timers for filters and UV, plus 5 recipe creation files.



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Inhalation Exposure Systems



Programmable Touchscreen Controller



The Floor Model Inhalation Exposure System has the following features:

Specifications:

- Size:** 30"W x 33"D x 33" H
(Allow an additional 12" depth with incinerator attached)
- On/Off switch:** Located on front of unit
- Incinerator:** Located on back of unit
- Finish:** Stainless Steel outer shell
- Cord:** Attached 3-wire 6' long
- Weight:** 170 lbs.

Optional Multi-Basket setup shown for 10 baskets:

- 099C 0616700026 Baskets (5 or 10 required)
- R80 1017 Separator Plate (2X)
- R80 1022 Baffle Plate (1X)



Category Number	Description	Input Voltage
099C A4212	Whole-body exposure chamber	120V
099C A4224	Whole-body exposure chamber	240V
R96 368	Nebulizer	N/A
R64 242	Replacement Input HEPA Filter 0.3um	N/A
R64 243	Replacement Output HEPA Filter 0.3um	N/A
R60 829	Replacement UV Lamp 32W, 254nm, 4-pin design (2 required)	N/A
R80 1017	Separator Plate wire mesh (2 required for 10 basket setup)	N/A
R80 1022	Bottom Baffle plate for 5 or 10 basket setup	N/A
099C 0616700026	Small animal basket 7-1/2" Dia. X 6" Tall	N/A