

## Mouse and Small Animal Volume Controlled Ventilator

Harvard's Mouse Ventilator. The same great Ventilator as the popular 683 Rodent/Small Animal Ventilator, only sized down for mice!



- Two models available:
  - Model 683 for small animals from 250 g to 10 kg (22 lb) e.g. rats, hamsters, rabbits, cats, monkeys, small dogs, etc.
  - Model 687 for mice and perinatal rats up to 200 g (7 oz)

The Model 683 Small Animal Ventilator comes standard with two piston and cylinder assemblies. The smaller piston (which comes installed) allows tidal volumes to be set from 0.5 to 5.0 CC in 0.5 CC increments and the larger cylinder allows tidal volumes of 3.0 to 30 CC in 0.3 CC increments. Setting the cylinder stroke between gradations it is possible to achieve finer resolution in tidal volume settings.

The Model 687 Mouse Ventilator has a single piston and cylinder assembly. The tidal volume range is 0.1 to 1 CC in 0.1 CC increments. Setting the cylinder stroke between gradations it is possible to achieve finer resolution in tidal volume settings. For both ventilator models, the piston travels to the end of the cylinder completely emptying the cylinder and minimizing the dead space of the breathing circuit.

Both models feature a numerical LED to display the respiratory rate which can be set from 18 to 150 strokes/minute. Volume and rate settings can be adjusted while the ventilator is running. Both ventilators have four gas inlet and outlet ports: supply gas in, gas out (to animal), gas return (from animal) ventilator exhaust. The ventilator exhaust can be attached to a column of water to achieve PEEP (positive end expiratory pressure) when long term animal ventilation is necessary.

Overhaul kits are available for both ventilator models and are specific for the type of cylinder used. Overhaul kits include complete instructions and replacement parts.

### Specifications

Rate	Adjustable from 18 to 150 strokes/min while the ventilator is running	
Phase Ration	1:1 fixed	
Dimensions, H x L x W	25 x 32.5 x 15 cm (10 x 13 x 6 in)	
Weight	8 kg (18 lb)	
Power	115/230 VAC, 50/60 Hz	
Ventilator	<b>Small Animal</b>	<b>Mouse</b>
Volume	Adjustable from 0.2 to 30 cc/stroke while the ventilator is running	Adjustable from 0.05 to 1 cc/stroke while the ventilator is running
Port Size:		
ID	3.5 mm (1/8 in)	2.2 mm (0.086 in)
OD	5 mm (3/16 in)	4 mm (5/32 in)
Model	683	687

Catalog No.	Product
CGS-8002.68	Small Animal Volume Controlled Ventilator, Model 683
CGS-8003.68	Mouse Volume Controlled Ventilator, Model 687
CGS-8004.68	Overhaul Kit for 687 Ventilator - 1 CC cylinder
CGS-8005.68	Overhaul Kit for 683 Ventilator - 5 CC cylinder
CGS-8006.68	Overhaul Kit for 683 Ventilator - 30 CC cylinder
CGS-8007.68	Overhaul Kit for Older 68x Ventilators, including Models 680, 681 and 683 ventilators without a numeric LED rate display.