

Cat/Rabbit Ventilator

Cat. No. 6025

General

The 6025 Cat/Rabbit Ventilator is a volume-controlled mechanical ventilator (according to Starling's ventilation method), designed for use with cats, rabbits and animals of similar size.

The 6025 drive consists of a variable speed geared motor linked by a novel variable stroke mechanism to easily interchangeable cylinder/piston assemblies.

In particular, **the 6025 can be equipped with 50 or 100ml cylinder/piston assembly.**

Its precisely regulated geared-motor speed provides the most accurate and reliable stroke rate control of any respirator available

The operation of the 6025 may be "paused" by an external TTL logic signal.

The picture features a Rodent Ventilator 7025, together with the 6025 for Cat/Rabbit



**Best available
Starling
Pumps**

**THE CHOICE OF
THE CRITICS!**

Main Features

- Interchangeable cylinder/piston assemblies (50 and 100ml)
- Quiet operation, both acoustically and electrically (negligible R.F. broadcasting)
- Reliable mechanics and impeccable finishing: lifelong lasting
- Synchronised START/STOP function available as optional

Instrument description

The **unique linkage mechanism** insures that:

- 1) The piston almost touches the cylinder end with each stroke, regardless of the pre-set volume, thus insuring all air taken into the pump is expelled with each stroke.
- 2) The volume, clearly indicated on a **stationary dial**, is adjustable by means of a knob while the pump is either running or at standstill.
- 3) The reciprocating motion is generated, adjusted and transmitted to the piston by rods and articulated joints only.

The **lack of sliding friction** leads to:

- a) practically no wear
- b) no backlash and hence silent operation and exact stroke reproducibility.

Hook-up to animal

Four ports (*Intake, To Animal, From Animal and Exhaust*) allow flexibility in air channelling.

The input may be room air or any non-explosive gas mixture. The exhaust air may be partially or totally recycled or collected for analysis.

Ventilator Controls

The speed control knob adjusts the geared motor to the desired speed, which is indicated on the 3-digit LED display labelled STROKES P.M.

The operation of Ugo Basile Ventilators may be "paused" by an external TTL logic signal.

Start / Stop Model

For more demanding electrophysiological-pharmacological investigations, in particular when the operation of the Ventilator is software controlled, a **synchronised command** is available to START-STOP the Ventilator at completed forced inspiration.

Ask for special models 6125.

Specifications

Rate	10 to 100 strokes for minute
Rate Read-out	digital display
Stroke Volume	10 to 50; 20 to 100, depending on cylinder/piston installed
Stroke Vol. Scale	10-50 ml
Stroke Vol. Reprod.	±2%
Universal input	85-264 VAC, 50-60Hz, 40 VA max.

Physical

Dimensions	27x26x19cm
Net weight	10.5Kg
Shipping Weight	16Kg approx.
Packing	67x42x53cm

Ordering Information

6025	CAT/RABBIT VENTILATOR , complete with following standard accessories:
6026	50ml Cylinder/piston assembly, complete
6027	Set of 2 Lip-Seal Rings for 50ml piston
7032	Perspex Lid
7033	Lithium-Grease Tube
7034	Set of 3 Hex. Wrenches (2, 2.5, 3 mm)
6044	Y-Canula
6025-302	Instruction Manual (on CD)
E-WP 008	Mains Cord

Other available models and accessories

6025-100	Cat/Rabbit Ventilator , as above, 100ml
6029	Set of 2 Lip-Seal Rings for 100ml piston
6025-150	Anesthesia Kit

Models with synchronised START/STOP feature

6125	Cat/Rabbit Ventilator , 50ml
6125-100	Cat/Rabbit Ventilator , 100ml

See also our **Anesthesia Systems, series 21100**, featured in the picture together with a 6026 Ventilator.



The ideal match to our Ventilators!

Bibliography

- F. Wetterling et alia: "Regional and temporal variations in tissue sodium concentration during the acute stroke phase" *Magnetic Resonance in Medicine* 67 (3): 740-749, 2012
- A. Ahmed et alia: "Development of an In Vitro Model to Assess Deposition of Aerosol Particles in a Representative Replica of the Rat's Respiratory Tract" *J. of Aerosol Med.* 25 (3): 169-178, 2012
- L. Monassier et alia: "Prevention by NMDA receptor antagonists of the centrally-evoked increases of cardiac inotropic responses in rabbits" *Br. J. Pharmacol.* 111 (4): 1347-1354, 2012
- T. Hoch et alia: "Modulation of the amplitude of γ -band activity by stimulus phase enhances signal encoding" *Eur. J. Neuroscience* 33 (7): 1223-1239, 2011
- T. Tchumatchenko et alia: "Ultrafast Population Encoding by Cortical Neurons" *J. Neuroscience* 31 (34): 12171-12179, 2011