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Find the *Ugo Basile 5025* at our website: *Click HERE*

The choice of the critics

DOG VENTILATOR

Cat. No. 5 0 2 5

New look Ventilator, featuring:-

- Compact valve block with negligible "dead spaces"
- Original variable stroke linkage, without sliding components
- No protruding elements: recessed controls and hook-up connections to the animal
- Attractive trolley which moves swiftly, thanks to its heavy-duty casters



GENERAL

The **5025 Dog Ventilator** is a positive pressure pump (according to Starling's ventilation method), designed for use with dogs.

It basically consists of an asynchronous motor operated by a solid state speed control, coupled to a 700 (or 350) ml cylinder/piston assembly via an original variable stroke linkage (see picture) which features:-

1) The piston almost touches the cylinder end with each stroke, regardless of the preset volume. This insures that all air taken into the pump is expelled with each stroke.

2) The stroke volume is adjustable by means of a thumb-wheel while the pump is either running or at standstill.

   Volume is clearly indicated on a **stationary dial** and not on a mobile slotted link or by graduation marks on the cylinder, both systems leading to uncomfortable volume setting, the latter adjustable with the pump in motion only.

3) The mechanism does not incorporate any slotted link as all other ventilators do.

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.

A crank-link combination operates a slide valve, located perpendicularly to the cylinder axis, ensuring very short cylinder/valve connections and hence minimum dead space.

Hook-up to Animal

A "Y" connection (not supplied) should be inserted between the connection to the animal (cannula etc.) and the two tubes coming from the pump. Dead space is minimized if the "Y" is as close to the animal as

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 2-digit LED display labelled STROKES PER MINUTE.

The digital display assures an excellent reproducibility: you adjust the actual speed of the geared motor against a displayed number, in lieu of trying to overlap a pointer and a scale mark.

The stroke volume may be adjusted via the STROKE VOLUME thumb-wheel on the front panel, and read on the scale in the top panel.

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UGO BASILE
Via G. Borghi 43, 21025 COMERIO – VA, ITALY

SPECIFICATIONS

Rate:		10 to 50 strokes for minute
Rate Read-out	:	digital display
Stroke Volume	:	0 to 700 or 0 to 350 de-pen-ding on cylinder/piston in-stalled
Stroke Volume Scale	:	0-700 ml
Stroke Volume Reproducibility	:	±2%
Power Requirements	:	115 or 230v, 50/60 Hz 300 VA max.
Operating Temperature	:	10°C to 40°C
Overall Dimensions	:	45 x 38 x 83 (h) cm
Net weight	:	Kg 30
Shipping Weight	:	Kg 55 approx.

ORDERING INFORMATION

5025 **Dog Ventilator**, complete with standard accessor-ies and 350 or 700 ml cylinder/piston assembly
5026 700 ml cylinder/piston assembly, complete with gudgeon
5027 350 ml cylinder/piston assembly, complete with gudgeon
5028 Set of lip-seal rings for 350 ml piston
5029 Set of lip-seal rings for 700 ml piston
5030* Valve Block, complete with spindle, gudgeon and 2 open washers
5031* Perspex Hood
5032* Oiler (Oil for Bearings)
5033* Oiler (Oil for Cylinder)
7033* Grease Tube (Lithium Grease for slide valve)
5034* Set of 5 hex. wrenches (2, 2.5, 3, 4, 5)
5035* Instruction Manual
5037* M17 wrench (to tighten the trolley casters)

Set of two fuses (T 2.5 A) for either 115 or 220 V operation

* Standard accessories, supplied with the instrument

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