

## Gas Anesthesia Systems

Cat. No. 21100

### General

The Ugo Basile New Gas Anesthesia is a compact, modular and reasonably-priced system, intended to match the highest technical requirements of animal labs that do not compromise on quality.

A wide range of options and accessories are available, most of which can be added in a scalable manner, making the system modular and with an excellent value for price!

Typical anesthesia procedures involve an induction phase and a maintenance phase, which require at least:

- Flow-meter and anesthetic Vaporizer
- Induction box and/or mask with breathing circuit
- Scavenger or flow hood (for gas anesthetic removal)

The Ugo Basile New Gas Anesthesia system include all of the above! ... and much more!



**Portable**

**Modular**

- **THE IDEAL MATCH  
TO UGO BASILE LINE  
OF VENTILATORS**

### Main Features

- Digital Flowmeter with wide range (up to 16 litres per minute) for multiple animal delivery
- Up to six Animals with one Station
- Manifold for mask/induction-box switch and full range of accessories
- NEW Tec3 Vaporizers (non-refurbished)

**Ugo Basile: more than 10,000 citations**

## Overview

The unique digital flowmeter, coupled to non-refurbished vaporizers for Isoflurane or Sevoflurane, result in an innovative yet sturdy and reliable system to anesthetize animals of virtually any size and up to 6 animals simultaneously.

An ample selection of modular components and accessories enables the user to customize and expand the anesthesia system upgrading from a **basic** (flowmeter & vaporizer) to a **full system** (with induction boxes, breathing circuits with masks of any size, switch valves, multiple delivery systems active or passive scavengers, etc.)

The blue 4mm thick aluminum rack has a highly resistant paint to protect against stains from aggressive anesthetic liquids & solvents.

Two universal attachment blocks are mounted on the back, to connect the device easily to any rail or mobile floor model anesthesia rigs of sizes 25x8mm up to 35x10mm.

## Digital Flowmeter

The Ugo Basile Gas Anesthesia System includes a unique digital flowmeter.

Its wide flow range (from 0.3 to 16 l/min.) and fine resolution (0.1 l/min.) guarantees enough gas flow to anesthetize up to 6 animals simultaneously!

Small and large animals could be anesthetized with the same system (virtually, from mouse to horse!)



## Nose-cone/Masks with diaphragm

Unlike many rodent masks available on the market, these masks incorporate a latex diaphragm, which holds the rodent nose, keeping the animal in correct position and ensuring a continuous positive flow of fresh oxygen & anesthetic.

The membrane also provides a positive seal reducing the exposure of the user to anesthetic gases.

Available in several sizes:

- Small/Large Mice
- Small/Medium/Large Rats
- Large Rodents/Feline



*The picture shows a mouse nose-cone/mask, connected to an evacuation tubing.*

## Induction Box

The **7900** Induction Box is a conveniently dimensioned (25x13x13cm), cost-effective solution to confine one guinea pig, one rat or several mice.

It incorporates a sliding lid and tubing connectors (vaporizer input and scavenger output).



A larger size, **7910** is also available, dimensioned 44x22x21 cm, for larger animals such as rabbits.

## Dual Diverter Manifold with Humidifier

All of the Ugo Basile Gas Anesthesia Systems come with a pre-installed mounting bracket to fit the Dual Diverter Manifold (as shown in the picture).



The anesthetic gas flow can be diverted toward 2 independent devices (i.e., an induction chamber and a breathing mask).

A simple and efficient humidifier is included with the manifold. It is especially recommended for long-term anesthesia, when dehydration may become an issue.

## Multiple Delivery System

The Multiple Delivery accessory allows the connection of up to six devices to one anesthesia system for simultaneous operation.



Each device (for 2, 3, 4, 5 or 6 animals) has independent flow regulation.

## F/AIR Scavenger

A solution to handling waste anesthetic gases when active evacuation systems are not available, activated charcoal canisters remove approx. 50g of halogenated anesthetic agents from the waste gas stream before being discarded.



## Ordering Information

### ANESTHESIA SYSTEMS

- 21050 Basic Single-Output Anesthesia System** including Digital Flowmeter (for O<sub>2</sub> or Medical Air) and TEC-3 vaporizer for Isoflurane (\*)
- 21100 Single-Output Anesthesia System**, including 21050 (\*), 2 passive scavengers (\*\*), evacuation tubing.
- 21200 Double-Output Anesthesia System**, including 21050 (\*), 4 passive scavengers (\*\*), evac. tubing & dual diverter manifold with humidifier
- 21400 Multiple-Animal Anesthesia System**, including 21050 (\*), 8 passive scavengers (\*\*), evac. tubing and Multiple Delivery System for 4 animals.
- 21600 Multiple-Animal Anesthesia System**, including 21050 (\*), 12 scavengers (\*\*), evac. tubing and Multiple Delivery System for 6 animals.

**Special configurations available on request: ask for details!**

### ACCESSORIES

#### Delivery Systems (Masks & Induction Boxes)

- PS-0525-A Nose-Cone/Mask Circuit for Small Mice**,  
**PS-0305-A Nose-Cone/Mask for Large Mice**, 3cmØ  
**PS-0306-A Nose-Cone/Mask for Small Rats**, 4.5cmØ  
**PS-0307-A Nose-Cone/Mask, Medium Rats**, 5cmØ  
**PS-0308-A Nose-Cone/Mask for Large Rats**, 5.5cmØ

*All masks are complete with diaphragm and inlet connector*

- 7900 Induction Box for small rodents** (rats and mice), dimensioned 25x13x13 (h) cm
- 7910 Large Induction Box**, 40x22x21(h)cm
- 21100-790 Induction Box for small rodents**, airtight model, with latch, 25x13x13 (h) cm

#### Special Systems with N<sub>2</sub>O

- 22100 O<sub>2</sub>/N<sub>2</sub>O Anesthesia System**, with 2 Analog Flowmeters, TEC-3 vaporizer for Isoflurane (\*), passive scavenger (\*\*), evac. tubing.

\* Vaporizers for other anesthetic agents available on request

\*\* Activated Charcoal Canisters

### Multiple-Output Delivery Systems

**PS-0529-02 Dual Diverter Manifold** with humidifier, see complete model 21200

**PS 30-459 Multiple-Animal Delivery System**, 6 Flowmeters, see complete model 21600

*Multiple delivery systems for 2, 3, 4, and 5 animals available*

### Anesthetic Scavenger and Evacuation

**PS-0581-00 F/air filter** (activated charcoal canister)

**PS-0581-01 F/air filter**, pkg. of 8

**PS-0582 Evac.Tubing for F/air**, 1.8 m with 19 mm male x 22 mm female adaptor

**21100-833 Active Scavenger System**, to remove the anesthetic agent by negative pressure (to be connected to an activated charcoal canister)

### Heating Pads and Surgical Tables

**21100-800 Rodent Warmer**, to monitor and maintain animal temperature during surgery: available with mouse, rat or home-cage heating pad; the rectal thermal probe is sold separately.

See leaflet!



**PS-0811 Heating Pads** Delta-Phase Isotherm (pkg of 3), 20x20x0.65 cm. Maintains animal body temperature near 37°C up to several hours. Ideal for NMR.

### Other Recommended Accessories

#### Fill Devices

- PS-0950** for Isoflurane  
**PS-0951** for Sevoflurane  
**PS-0949** for Halothane



#### Physical (21100)

Weight	8.5Kg
Dimensions	26(w)x18(d)x24(h)cm
Shipping Weight	12Kg
Packing	67x42x53cm