

Features

- The endotracheal intubation tube length for rat is 50mm, 16G, and that for mouse is 25mm, 18G.
- The cordless portable optic fiber lighting system, which has been patented for an invention, improves the visibility of the airway and facilitates users to quickly and accurately finish endotracheal intubation.
- The stand angle can be adjusted, including: 45°, 60°, 90°, to meet the requirements of users with different operation habits. The neck position of the endotracheal intubation stand is adjustable to help customers get the best view of operation.
- Silk hanging line is provided as small animal silk yarn for teeth bar, and it is flexible and will not cause additional damage to the animal.
- Auxiliary operation tweezers are provided for users to complete the operation.
- An endotracheal magnifier with auxiliary positioning function and a tracheoscope mirror that helps to confirm intubation result are more user-friendly.

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RWD Combination of Animal Ventilator to Anesthesia System-V1.0-20200806-CN

RWD



RWD 2020

Combination of Animal Ventilator to Anesthesia System

RWD Life Science co.,ltd

Combination of Animal Ventilator to Anesthesia System



This program is the combination of anesthesia machine and ventilator. While keeping the animal under anesthesia, it provides a certain volume (tidal volume) of oxygen and respiratory rate to support the normal breathing of animals.

It can meet the requirements of long surgeries or surgeries on animals suffering from certain diseases (such as cardiovascular and cerebrovascular diseases, hypertension, cerebral infarction, thrombosis), and suitable for mice, rats, rabbits, cats and other animals within 1kg.



Safe and Efficient Anesthesia

With the latest design, it can be applies to simultaneous anesthesia of multiple mice, rats, cats, rabbits and other animals (1-5 small animals), and every channel can be controlled independently.



Automatic Weighing Apparatus

Real time overweight alarm of Gas Filter Canister to avoid pollution of anesthesia waste gas caused by overload



Intelligent mechanical ventilation

It comprises of an intelligent system that allows storage and recollection of up to 10 parameters, real-time display of pressure-time graph in volume and pressure modes, automatic setting of reference breathing parameters on entering the animal weight, and alarm alerts.



Non-invasive Guided Endotracheal Intubation

A noninvasive endotracheal intubation kit for animals guided by cordless optic fiber , effectively reducing animal damage, and enhancing the experimental efficiency and precision of the experiment results.

Application Areas

Animal models
of human pneumonia

Acute respiratory
failure

Pulmonary
Function Tests

Animal
critical care

Acute myocardial
infarction model

Intrapulmonary
administration
of drugs



R500 Compact Anesthesia Machine

Regular assembly (R500-A),vaporizer(R580),Inlet/Outlet End Caps(R580-IO)and tube accessory kit are included in the R500 anesthesia

machine.Different air supply, induction chambers,small animal masks, filter canisters and gas evacuation apparatuses can be selected for anesthesia recovery of different animals.

120mL internal capacity,isoflurane concentration adjustment range 0-5% (sevoflurane 0-8%)

0.1-4L/min oxygen flowmeter, reserved additional flowmeter mounting hole, makes dual flowmeter is achievable

Isoflurane or sevoflurane vaporizer is optional

You can choose Pour Fill or Easy Fill or Key Fill for adding drugs (see P25)

Stable concentration output unaffected by flow, temperature and pressure



Aluminum alloy material, the whole weight less than 7.5kg

Toggle switch, quick switching of gas circuit, more than 100 thousand times of life

Oxygen flush button, flush rate is up to 10L / min

Oxygen or air canbe chosen as gas supply

Can be upgraded into portable anesthesia machine to save space and facilitate movement

Note: Oxygen flush is commonly used to flush out anesthetic gas to the filter canister before opening the induction chamber to avoid the escape of anesthetic gas into the personnel

R548 Automatic Weighing Apparatus



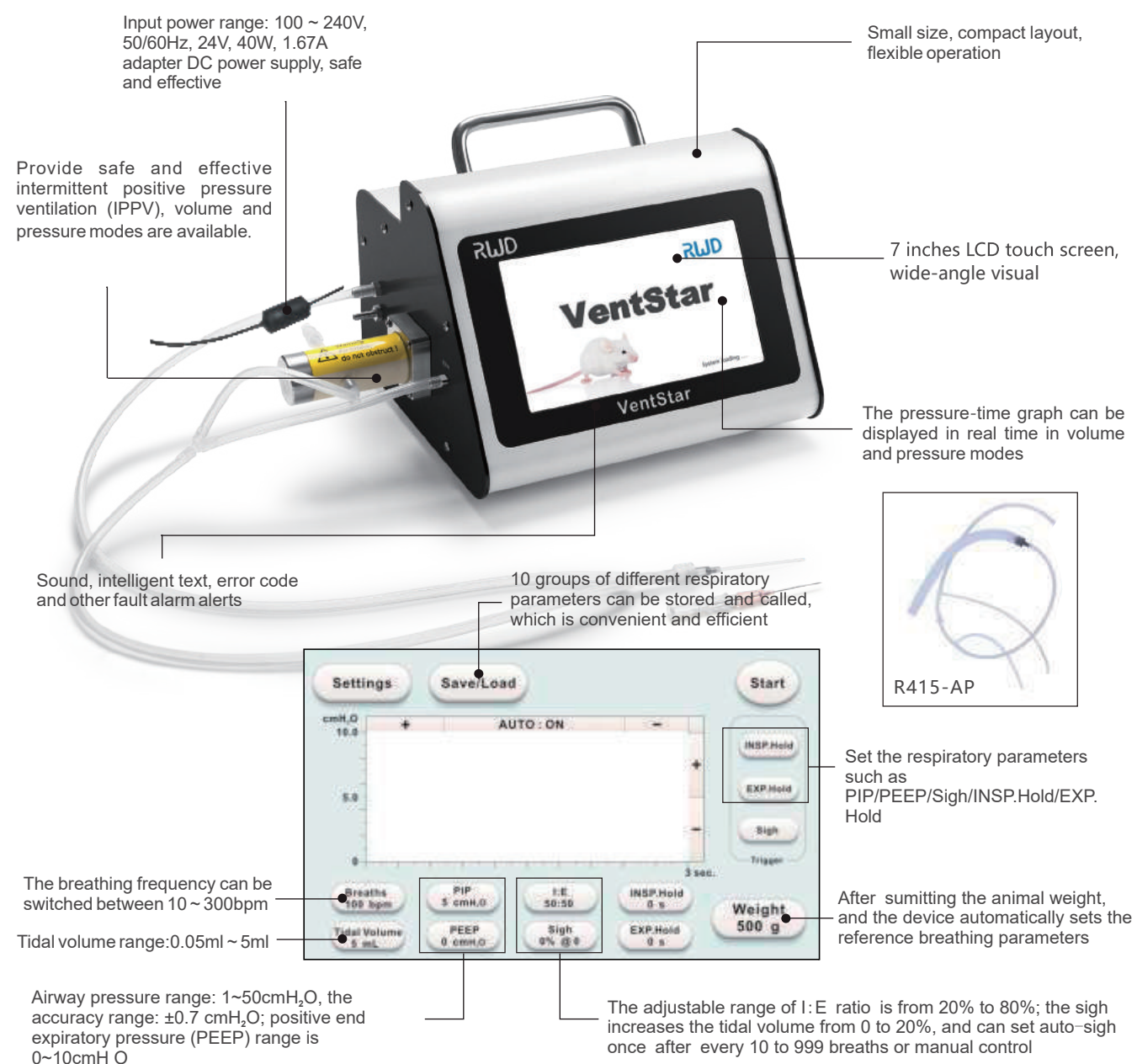
Exhaust gas inlet
(from mask or induction chamber)

- One key to reset, real-time display the weight of filter canister, accurate to 1g.
- Two level saturation alarm to remind, replace filter canister .
 - Level I:
large canister reaches 1000-1020g, small canister reaches 300-310g,0.5Hz
 - Level II:
large canister reaches 1020-1500g, small canister reached 310-500g, 2Hz
 - Overweight alarm:
more than 1500g, stable 1 second lasting lighting and buzzing
- Mounting bracket (R548-MB) is optional, to mount on the mobile stand.

R415 VentStar Small Animal Ventilator

Animal ventilator is the commonest instrument for assisting animal respiration, which is widely used in scientific researches of preclinical medicine, clinical medicine and veterinary medicine (such as myocardial ischemia model), as well as respiratory management in animal surgery, emergency treatment and respiratory therapy.

Suitable for mice, rats and guinea pigs and other animals weighing 10g-1kg



RE20 Animal Endotracheal Intubation Kit

Endotracheal intubation means that a special endotracheal tube is inserted through the glottis into the trachea to open the respiratory tract, providing the best conditions for airway unobstructed, oxygen supply, prevention of aspiration, pulmonary disease molding and infusion. However, due to the small size of rat and mouse and limited oral space, operators would often choose traditional endotracheal intubation (blind intubation, tracheotomy, visual intubation, etc.) for molding, which would not only cause certain damages to animals, but also result in low experimental efficiency and success rate.

In light of this, RWD newly introduces a noninvasive endotracheal intubation kit for animals guided by cordless optic fiber to support mouse, rat and other similar small rodents in a stable and comfortable position for experimenters to perform endotracheal intubation, drug infusion and other operations, effectively reducing animal damage, and enhancing the experimental efficiency and precision of the experiment results.



Mouse/Rat Endotracheal Intubation Stand



Rat Endotracheal Intubation Tube



Mouse Endotracheal Intubation Tube



Endotracheal Intubation Fiber Optic Lighting Kits for Mouse & Rat



Tracheoscope Mirror



Silk Yarn for Teeth Bar, Secure the Animal's Head