

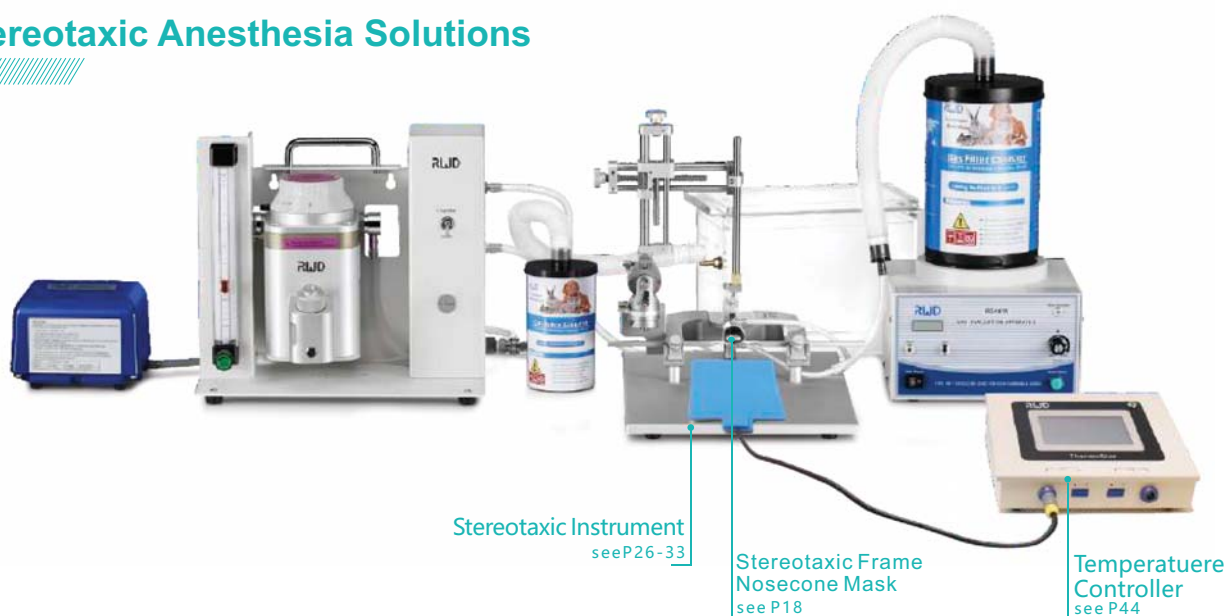
## Complete Anesthesia and Respiration Solutions

### Multi-function Anesthesia Solutions



The experimental system is equipped with a gas recovery system to provide a safe experimental environment to maximize the protection of the operator; by replacing different types of anesthesia machines and masks to meet the needs of animal experiments, such as cerebral ischemia and myocardial ischemia model, osteoporosis model, tail vein injection, abdominal aorta blood sampling, heart blood sampling, ventricular injection, tissue / organ removal and other animal surgery experiments.

### Stereotaxic Anesthesia Solutions



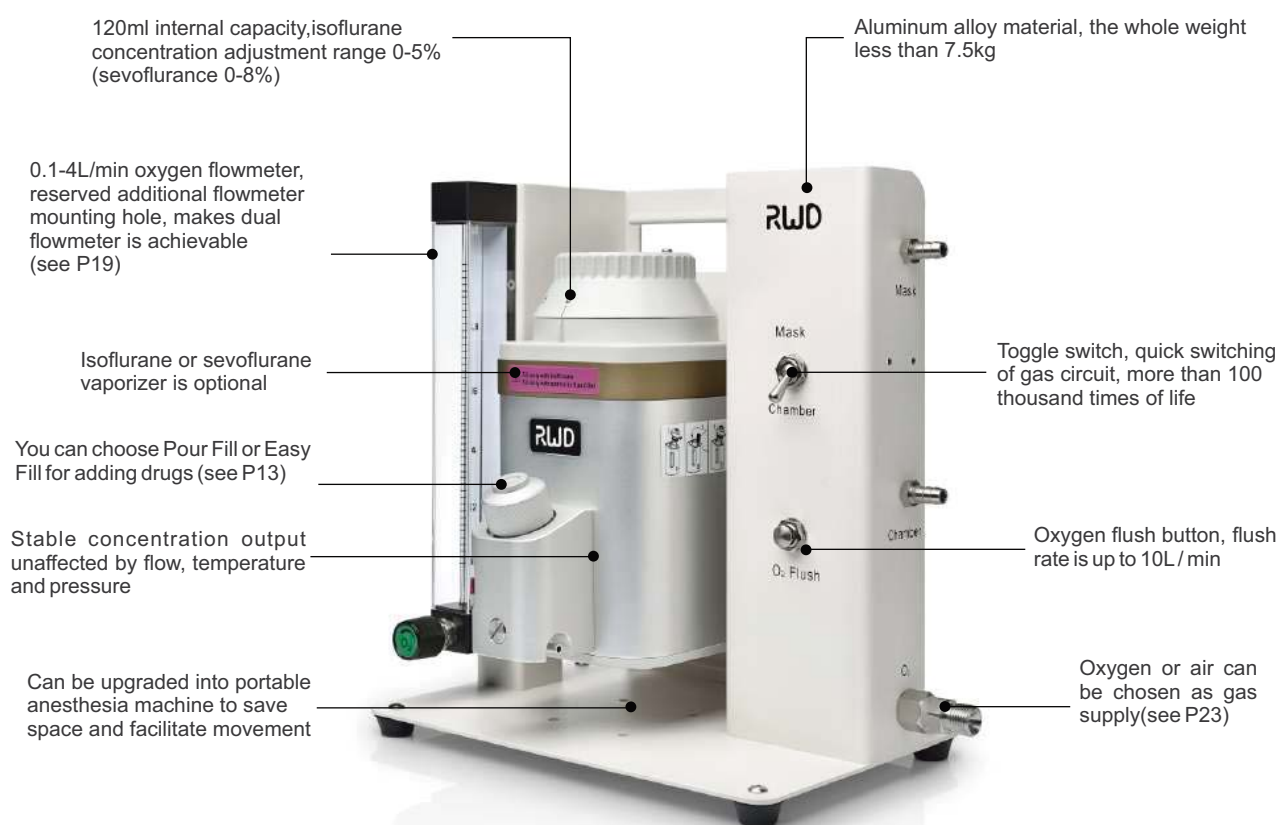
By changing the different types of stereotaxic instruments and adaptors to meet the needs of different animal experiments, such as the neurological disease models (such as Parkinson, Alzheimer's disease, craniocerebral injury, spinal cord injury, etc.), brain drug injection, Cannula Implantation (long term repeated administration), physiology experiment (such as nerve stimulation, signal recording, wireless telemetry, etc.), microdialysis experiments (probe implantation and short-term dialysis) and other experiments.

## Small Animal Anesthesia Machines ►

### 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.

**Suitable for rats, mice, hamsters, guinea pigs, rabbits, cats and other animals within 7kg**



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.

#### Order Information:

Cat No.	Product Description	Configuration	Remarks
R500IE	Compact Small Animal Anesthesia Device-Isoflurane, Easy Fill, 0-4L	●	Contains connection tubing for mask&induction chamber
R500IP	Compact Small Animal Anesthesia Device-Isoflurane, Pour Fill, 0-4L	●	
R500IK	Compact Small Animal Anesthesia Device-Isoflurane, Key Fill, 0-4L	●	
R500SE	Compact Small Animal Anesthesia Device-Sevoflurane, Easy Fill, 0-4L	●	
R500SP	Compact Small Animal Anesthesia Device-Sevoflurane, Pour Fill, 0-4L	●	
R500SK	Compact Small Animal Anesthesia Device-Sevoflurane, Key Fill, 0-4L	●	Upgrade to portable type
R510-S	Portable Stand for R510 Series Anesthesia Machine	○	

Note: ● Recommended configuration    ○ Optional

## R550 Multi-output Anesthesia Machine

Regular assembly (R550-A), vaporizer (R580), Inlet/Outlet End Caps (R580-IO) and tube accessory kit are included in the R550 anesthesia machine. Different air supply, induction chambers, small animal masks, filter canisters and gas evacuation apparatuses can be selected to form the experimental platform for anesthesia recovery of different animals.

**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.**



### Order Information:

Cat No.	Product Description	Configuration	Remarks
R550IE	Enhanced Small Animal Anesthesia Device-Isoflurane, Easy Fill, 0-4L	●	Contains connection tubing for mask & induction chamber
R550IP	Enhanced Small Animal Anesthesia Device-Isoflurane, Pour Fill, 0-4L	●	
R550IK	Enhanced Small Animal Anesthesia Device-Isoflurane, Key Fill, 0-4L	●	
R550SE	Enhanced Small Animal Anesthesia Device-Sevoflurane, Easy Fill, 0-4L	●	
R550SP	Enhanced Small Animal Anesthesia Device-Sevoflurane, Pour Fill, 0-4L	●	
R550SK	Compact Small Animal Anesthesia Device-Sevoflurane, Key Fill, 0-4L	●	
R510-S	Portable Stand for R510 Series Anesthesia Machine	○	Upgrade to portable type

Note: ● Recommended configuration    ○ Optional

## Gas Evacuation Apparatus

The gas evacuation apparatus (GEA) was designed to safely and actively remove waste gas associated with everyday inhalation anesthesia. The waste gas from cone mask, concentric tubing mask and stereotaxic frame nosecone masks can be pulled through activated charcoal canister so that the air can be re-circulated into the room. The GEA will accommodate waste gas supply from at least 5 masks.

- No venting hood is required while using.
- Powerful capture allows to accommodate waste gas supply from 1 to 5 masks.
- The velocity of "pull" or "draw" can be adjusted depending on the stations (masks).
- Great remove effectiveness to replace the traditional exhaust fan with remove ability less than 5g.
- Small size 215mm (W)\*215mm (D)\*170mm (H).
- Easy to connect to your vaporizer system and insert a activated charcoal canister.
- Online weighing, get the weight of canister directly from the display.
- Two level overweight alarm: 990g and 1010g.
- The outer diameter of the filter tank mounting position :124mm
- Wind regulation:35-60LPM
- Power: 100-240V, 50/60HZ



R546Pro

R546W, with the latest design of weighing, will be additionally used to weigh the activated charcoal canister at any time to check its saturation. Two levels alarm (990g and 1010g), indicator light and buzzer remind to change the canister and maintain its effectiveness.

### Order Information:

Cat No.	Product Description
R546Pro	Gas Evacuation Apparatus with Weight Monitoring, 110-240V

## Automatic Weighing Apparatus



- 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
    - ◇ Audible and visual alarm, 0.5hz (0.5 time/s)
  - ◆ Level II: large canister reaches 1020-1500g, small canister reached 310-500g
    - ◇ Audible and visual alarm, 2hz (2 time/s)
- ◆ Overweight alarm: more than 1500g, stable 1 second
  - ◇ Audible and visual alarm, lasting lighting and buzzing
- Automatically identify RWD's large & small canister
- Long press the mute button to suspend alarm
  - ◆ Short press the mute button, restore alarm after 5min of mute
  - ◆ Long press the mute button 3s, restore alarm after 30min of mute
- Compact size, save space
- Mounting bracket (R548-MB) is optional, to mount on the mobile stand

Cat No.	Product Description
R548	Automatic Weighing Mechanism for Gas Filter Canister
R548-MB	Weighing Bracket