

### Specifications of Small Animal Ventilator

1. Should be a Fully automatic Ventilator with touchscreen control
2. Should Safely ventilate using auto-calculated settings based on animal weight
3. Provision to Ventilate animals from 3g to 1,250g
4. Should be ideal for mice, rats and small animals
5. Should have Option of both Volume control and pressure control
6. Should be an easy to handle Unit with Reduce footprint with one, dual control ventilator
7. Respiratory Rate: Range 20bpm to 350bpm
8. I:E Ratio: 1:1 to 1:5
9. Tidal Volume Range: 0.01 – 12.0mL
10. To be supplied with a built-in temperature monitor and homoeothermic control module — to Warm and auto-regulate the animal's body temperature
11. Operating temperature of Heater Module: -60°C to 150°C (-76°F to 302°F)
12. Sensor tip diameters: Mouse 0.080" and Rat 0.140"
13. Conditions Operating: 0°C to 45°C
14. 5 years warranty on the ventilator system

### Specification for Surgical Microscope

**Microscope Body:** Apochromatic Greenough System. Par-focal corrected optics. Includes Camera port with 50-50 split.

**Illumination:** Gooseneck Light Guide LED Illuminator with min. 50,000 operating hours.

**Zoom:** Manually Operable Zoom 5:1 Switchable zoom click stops. Magnification Range without interchangeable optics: 8x-40x

**Working Distance:** Without interchangeable optics: 110 mm

**Eyepieces** 10x/ FOV 22 Viewing Angle: 45 deg. Inter-pupillary Adjustment: 55-75 mm

**Stand:** Stand base with large working surface and Column with drive and handle. additionally, included: - B/W plastic plate and Dust cover

**Cameras:** Microscope Color camera with driver software 64bit, USB 3.0 PCIe x1 interface, USB 3.0 cable 3 m and Number of Pixels: 2464 (H) x 2056 (V) = 5.07 Megapixel color Sensor type: CMOS/CCD with Global Shutter, Pixel size: 3.45 µm x 3.45 µm Chip size: 8.5 mm x 7.1 mm, equivalent to 2/3" (diagonal 11.1 mm) Spectral range: With IR barrier filter app. 400 nm to 720 nm. Full Well Capacity: Approx. 10,500 e, Live FPS: 2464 x 2056 with 36 fps.

**System Integrity:** For better system integrity the microscope and camera should be from the same manufacturer

**Warranty:** Standard Warranty for Three years.