



CARFIL QUALITY
YOUR SUPPLIER FOR ALL LABORATORY NEEDS

Gas Exhaust Unit



Features

The UNO Gas Exhaust Unit can be used for the **direct-exhaust** of waste anesthetic- and exhaled gas while using **face masks for rat and mouse**.

Further the UNO Gas Exhaust Unit can be used for the **indirect-exhaust** of the excessive anesthetic gas from the circle system of f.i. the UNO Micro Ventilator (UMV) at various volume- and pressure settings of the UNO Micro Ventilator - UMV-03.

In order not to spill the anesthetic gas mixtures into the working area, and for good functioning of the Gas Exhaust Unit, the supply of the gas mixture to the face masks should be set at a maximum of:

- Face mask-rat: -350 ml/min*
- Face mask-mouse: -260ml/min**
- UNO Micro Ventilator UMV-03

The supply of the anesthetic gas mixture to the UNO Micro Ventilator (UMV) is set at a lower level than the facemask, because with the use of the UMV and the correct size intubation tube, there is only little waste of anesthetic gas mixture***

Specifications

Face Mask Rat:

- Tidal volume: ca. 2,5 ml
- Breathing frequency during anesthesia: $\pm 60-70$ /min
- Total breathing volume / min: 150 - 175ml/min
- Not all gas supplied is "used" by the rat and as a rule of thumb, the gas supply to the face mask is about twice the breathing volume/min, i.e. 300 -350ml/min.



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**** Face mask Mouse:**

- Tidal volume: $\leq 1\text{ml}$
- breathing frequency during anesthesia: $\pm -130/\text{min}$
- Total breathing volume / min: - 130ml/min
- Not all gas supplied is "used" by the mouse and as a rule of thumb, the gas supply to the face mask is about twice the breathing volume/min, i.e. 220 - 260 ml/min

***** Ventilator UMV-03**

- The supply of the anesthetic gas mixture to the UMV-03 is set at a lower level than the face mask rat or mouse because there is only little waste of the anesthetic gas mixture. It should be slightly higher than the total breathing volume mentioned under Face mask Rat and Face mask Mouse plus some extra for maintaining a P.E.E.P. during the ventilation:

- Rat 250 - 300
- Mouse 200-230

Ordering number

180000118	Gas Exhaust Unit
Inlet connection	Ø 23 mm
Outlet connection	Ø 23 mm



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