



GIBECK HUMID-VENT®
Heat & Moisture Exchangers

**Gibeck Humid-Vent® –
 Heat and Moisture Exchanger**

Our broad range of Heat and Moisture Exchangers (HMEs) provides you with the right product for all specific requirements in anaesthesia, ICU and emergency care.

The Humid-Vent® HME material is made of hygroscopic microwell paper that combines high humidification performance with very low resistance to flow. The large variety of different products enables well directed application, supplying the patient with the correct size, tidal volume and humidification.

Humid-Vent® 1

The original Humid-Vent® 1 has been used in hospitals worldwide for over 25 years. The Humid-Vent® 1 is available straight and with CO₂ port. It is recommended to use with adults and children in anaesthesia and with children in ICU.

Humid-Vent® Mini

Designed for neonates and babies, the Humid-Vent® Mini has a dead space of just 2.4 ml and can be used with tidal volumes of 15-50 ml.

Humid-Vent® Micro+

Humid-Vent® Micro+ replaces the ET-tube connector in sizes 3.0 mm und 3.5 mm. The combination of HME and tube connector reduces the dead space to only 2.7 ml. The port also enables surfactant applications as well as CO₂ readings.




AT A GLANCE

Humid-Vent® 1 –
 the original in-line HME

Humid-Vent® Mini,
Humid-Vent® Micro+

- small, compact, easy to handle
- little weight
- small dead space
- for low tidal volumes
- latex-free

PRODUCT INFORMATION

	Humid-Vent® 1		Humid-Vent® Mini	Humid-Vent® Micro+	
					
Ref.	straight	CO ₂ port		3.5 mm	3.0 mm
sterile	11 111		10 011	10 131	10 121
clean	11 112	11 132	10 012		
Dead space	10 ml	14 ml	2.4 ml	2.7 ml	
Weight	9.4 g	11.6 g	4.5 g	4.3 g	
Connectors	22 M / 15 F - 15M CO ₂ connectors ISO 594-1/594-2		22 M / 15 F - 15M	3.5/15 mm (red) 3.0/15 mm (blue)	
Medium	hygroscopic and bacteriostatic microwell paper		hygroscopic and bacteriostatic microwell paper	hygroscopic and bacteriostatic microwell paper	
Tidal volume	50 - 600 ml		15 - 50 ml	10 - 50 ml	
Resistance to flow	at 20 l/min., 0.3 cm H ₂ O at 40 l/min., 0.7 cm H ₂ O		at 5 l/min., 0.6 cm H ₂ O	3.5 mm: at 5 l/min, 1.1 cm H ₂ O 3.0 mm: at 5 l/min, 1.8 cm H ₂ O	
Moisture output	29 mg H ₂ O/l at V _T 300 ml 24 mg H ₂ O/l at V _T 600 ml		30 mg H ₂ O/l at V _T 20 ml	32.5 mg H ₂ O/l at V _T 10 ml 32.0 mg H ₂ O/l at V _T 20 ml	
Qty (box / case)	500 / 50	250 / 25	300 / 30	100 / 10	