

PASSIVE RESPIRATORY AIR CONDITIONING

Due to the different clinical pictures and their requirements for the corresponding supply of aids, a large number of product variations have been developed and designed in recent years. All combine the four important basic functions: heating, humidifying, filtering the respiratory air and breathing resistance. The matching HME model in each case essentially depends on the individual application situation.

Large-volume "artificial noses" are recommended especially for the postoperative phase due to strong secretion. The connection on the tracheostomy tube is usually made with a 15 mm connector. In addition to heating and humidifying the respiratory air, these "artificial noses" also focus on the particle-filtering effect of the filter medium. Particularly in the area of long-term ventilation, the complication rate can be reduced significantly by consistent conditioning of the respiratory air with HME and particle filters.

Generally speaking, the continuous use of the "artificial noses" noticeably reduces secretion due

to the well-moistened tracheal mucosa. Therefore, the use of HME filters also improves the respiratory situation of patients in the context of temporarily necessary tracheotomies or laryngectomies.

Both tracheotomised and laryngectomised patients prefer small, inconspicuous models to avoid emphasising their own handicap. This need can also be satisfied with a variety of products and their designs. In addition to humidification and heating of the respiratory air, O₂ connection, speech option and 22 mm combi-adapter are important further product features which are available for indication-appropriate care. There are also special products in the portfolio to address the special needs of infants and children.

In general, the HME must be exchanged several times a day during the first period of use, depending on secretion production. In continuous use, for 24 hours per day, there is a rapid reduction in secretion with a correspondingly lower material consumption. A daily requirement of 1-2 HMEs is realistic in the long term.





HUMIDOTRACH®

WITH OVERPRESSURE VALVE



This heat and moisture exchanger (HME) for tracheotomised patients has a foam filter, which is integrated into a sturdy plastic housing. The plastic housing is designed in grid form, to enable the greatest amount of air to enter. HUMIDOTRACH® is equipped with a central, standardised adapter, which enables attachment to a tracheostomy tube with 15 mm connector. The inhaled air is filtered, warmed and humidified by the artificial nose.

In addition, the lid of the housing contains an overpressure valve. This enables the coughing out of secretions, even without removing the "artificial nose". A lateral connection piece (5 mm plug-in connection) on the housing enables connection for the oxygen supply.

ORDER INFORMATION

HUMIDOTRACH®

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REF

46450

HUMIDOTRACH® ISO

WITH OVERPRESSURE VALVE

This heat and moisture exchanger for tracheotomised patients has a foam filter, which is integrated into a sturdy plastic housing. The plastic housing is designed in grid form, to enable the greatest amount of air to enter. HUMIDOTRACH® ISO is equipped with a central, standardised opening, which enables attachment to the tracheostomy tube with 15 mm connector.

In addition, the lid of the housing contains an overpressure valve. This enables the coughing out of secretions, even without removing the "artificial nose". A lateral connection piece on the housing of the HUMIDOTRACH® ISO, which is designed as an ISO plug-in connection/nipple in 6 mm, enables connection for the oxygen supply.



ORDER INFORMATION

HUMIDOTRACH® ISO

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HUMIDOTRACH® PRO

WITH OVERPRESSURE VALVE



This **round** heat and moisture exchanger for tracheotomised patients features a foam filter, which is integrated into a sturdy plastic housing. The plastic housing is designed in grid form, to enable the greatest amount of air to enter. HUMIDOTRACH® PRO is equipped with a central, standardised opening, which enables attachment to the tracheostomy tube with 15 mm connector.

In addition, the lid of the housing contains an overpressure valve. This enables the coughing out of secretions, even without removing the "artificial nose". A lateral connection piece on the housing of the HUMIDOTRACH® PRO "artificial nose" enables a connection for the oxygen supply.

ORDER INFORMATION

HUMIDOTRACH® PRO

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46456

HUMIDUAL®

STERILE

The HUMIDUAL® "artificial nose" is a heat and moisture exchanger (HME) consisting of a plastic housing with two opposing foam filters, a safety pressure relief valve and a connection for the oxygen supply.

The plastic housing has a connection opening for attachment to the 15 mm connector of a tracheostomy tube or an endotracheal tube.

HUMIDUAL® is intended for patients with spontaneous breathing. The humidification effect sets in after only a few breaths. HUMIDUAL® is a product for single use.



ORDER INFORMATION

HUMIDUAL®

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REF

46470

TRACHLINE® HUMIDOSTOM® MINI



TRACHLINE® HUMIDOSTOM® MINI is a heat and moisture exchanger (HME = Heat-Moisture Exchanger) that is perfectly matched to the properties of the TRACHLINE® tracheostomy tube series. The bayonet lock ensures a secure connection. Moisture and heat of the expired air is stored in the filter medium. On inhalation, the filter returns this moisture as well as heat. TRACHLINE® HUMIDOSTOM® MINI thus filters the respiratory air and prevents dirt particles from entering the respiratory tract. On the other hand, the formation of viscous secretions in the airways is reduced. The oxygen connecting piece fitted at the side of the housing (5mm plug-in connection) enables a connecting tube to be connected, also in combination with an external oxygen source. The low weight of only approx. 3 g rounds off the pleasant wearing features.

ORDER INFORMATION

TRACHLINE® HUMIDOSTOM® MINI

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REF

46860

HUMIDOSTOM O₂

The HUMIDOSTOM® O₂ consists of a foam filter and a plastic housing. The plastic housing is equipped on the patient side with a central opening with 15 mm internal diameter, thereby allowing for connection to a 15 mm connector. The HUMIDOSTOM® O₂ filters the respiratory air and thus reduces the penetration of particles into the patient's airways, which leads to a reduced formation of viscous secretions in the lungs.

In addition, the HUMIDOSTOM® O₂ features an oxygen connection for connecting an oxygen source.



ORDER INFORMATION

HUMIDOSTOM O₂

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REF

46150

HUMIDOFIX®



The HUMIDOFIX® "artificial nose" serves as a heat and moisture exchanger and is attached to the 15 mm connector of a tracheostomy tube. It retains exhaled heat and moisture, stores it and releases it back into the respiratory air when inhaling. The high moisturising performance reduces the risk of encrustations in the tracheostoma.

The functional design of the artificial nose, with integrated paper filter, ensures maximum comfort. The HUMIDOFIX® is intended for patients with spontaneous breathing.

For reasons of hygiene, the "artificial nose" must be replaced regularly.

ORDER INFORMATION

HUMIDOFIX®

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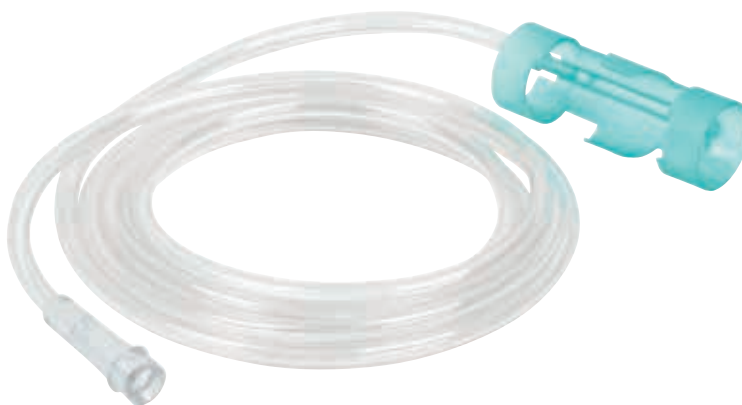
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OXYGEN CONNECTION FOR HUMIDOFIX®

To supply patients with oxygen at the same time, the HUMIDOFIX® can be combined with a special oxygen adapter.

This consists of a holder for attachment at the "artificial nose" and a transparent plastic tube for the oxygen supply.



ORDER INFORMATION

OXYGEN CONNECTION FOR HUMIDOFIX®

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