



High flow oxygen therapy



One solution from A to Z

High flow nasal cannula therapy, also known as high flow oxygen therapy, is available on all our ventilators. Additionally, it is offered as a standalone option with the HAMILTON-HF90. Both solutions are suitable for all patient groups, ensuring efficient delivery and monitoring of high flow oxygen therapy.

High flow oxygen therapy with our ventilators

All Hamilton Medical ventilators offer the high flow oxygen therapy option, compatible with both single and dual limb circuit sets for all patient groups. You can easily switch between invasive or noninvasive ventilation and high flow oxygen therapy in just a few steps, without needing to change the device or breathing circuit set. Simply change the therapy mode and the patient interface.

Flow rates in our devices

		
HAMILTON-C1/T1/MR1	2–30 l/min	2–100 l/min
HAMILTON-C3	2–12 l/min	2–80 l/min
HAMILTON-C6	2–30 l/min	2–100 l/min

Continuous display of all relevant parameters 1

Settings

- ✓ Oxygen concentration
- ✓ Flow rate
- ✓ Humidifier temperature²

Monitoring

- ✓ SpO₂¹
- ✓ Trends for Oxygen, Flow, SpO₂¹, and SpO₂/FiO₂³
- ✓ Plethysmogram⁴

High flow settings for active humidification 2

Our HAMILTON-H900 humidifier includes a dedicated mode for high flow oxygen therapy. When you switch to high flow oxygen therapy on the ventilator, the humidifier automatically adjusts to high flow settings. However, you can manually adjust the desired temperature if needed.

The connectivity feature¹ allows you to access the HAMILTON-H900 humidifier controls, monitor parameters, and alarms directly from the ventilator's display.

¹ Optional

² Optional, when combined with HAMILTON-H900

³ Optional for HAMILTON-C1/HAMILTON-T1

⁴ Optional, when combined with SpO₂

⁵ Only applicable on selected devices



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2

High flow oxygen therapy with our HAMILTON-HF90

Our standalone high flow device has been especially developed with an intuitive design to deliver and monitor high flow oxygen therapy (HFOT) across all our patient groups, allowing you to focus on the important aspects of patient care.

At a glance 3

You can get an immediate overview of the therapy and easily adjust the settings on the 5-inch color capacitive touchscreen:

- ✓ Flow rate: 2–80 l/min
- ✓ FiO₂: 21%–100 %
- ✓ Temperature (at the tube exit): 31°C–39°C

Patient monitoring and trends

- ✓ Monitoring parameters: SpO₂, Pulse, RRp⁶, Perfusion Index⁶, PVI⁶, Respiratory rate, Plethysmogram
- ✓ Combined trends: Flow/Oxygen, SpO₂/Oxygen⁷, SpO₂/FiO₂⁷, ROX index and RRp⁶

More than oxygen alone

The O₂ assist software option⁷ offers continuous adjustment of the oxygen setting to target your patient's SpO₂ and help you keep it within the desired range.

Stay with me 4

- ✓ With its optional battery, the HAMILTON-HF90 can run independently for up to two hours
- ✓ The battery status is shown on the main screen and the battery itself
- ✓ During transport and mobilization, you can also see the current oxygen consumption displayed on the screen

⁶ Only with the option installed on the SpO₂ adapter and Masimo Rainbow license key on the device

⁷ Only available in selected markets



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High flow breathing circuit sets

Breathing circuit sets for active humidification

The HAMILTON-H900 heated breathing circuit sets are preassembled and ready to use, with no extra cables to connect.

- ✓ Just a few components: a breathing circuit and humidification chamber come in convenient packs
- ✓ Cable-free with inbuilt temperature probe and heater wires that connect automatically on installation



Breathing circuit sets for the HAMILTON-HF90

The HAMILTON-HF90 breathing circuit sets come in convenient packs that include the single limb breathing circuit and humidification chamber. The heater wires and temperature probe are integrated in the breathing circuit.

- ✓ Available in two different configurations: Neo/Ped and Adult/Ped
- ✓ Incubator extension can be purchased separately



Interface adapter

With the interface adapter, you can connect the breathing circuit set to all standard high flow nasal cannulas on the market.

This secure, seamless connection enhances to the flexibility and convenience of your respiratory therapy setup.





Learn all about high flow oxygen therapy - your way

Our interactive learning hub takes you on a continuous learning journey through a combination of device- and therapy-related content, providing all the guidance you need and all the flexibility you want.

Designed to cater for individual learning styles, the learning hub enables you to move through the material at your own pace, in the way that suits you best. It is packed with relevant content delivered through interactive formats and case-based scenarios, so you can immerse yourself in an engaging learning experience that keeps you focused and on track to achieve your learning goals.





More information and free software simulation:
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