



HAMILTON-HF90

Advanced high flow oxygen therapy

The all-in-one solution

The HAMILTON-HF90 is an all-in-one solution for high flow oxygen therapy, providing caregivers with the tools and flexibility needed to tailor treatment to each patient's unique needs. Whether in the emergency room, intermediate care, or the ICU, the HAMILTON-HF90 is designed to deliver high flow oxygen therapy whenever required during transfer and mobilization of patients within healthcare facilities.

It combines comprehensive functionality with an intuitive design to support optimal outcomes, enhance patient comfort, and enable patient mobility.



Simplicity

The HAMILTON-HF90 features an intuitive and user-friendly design with a responsive software interface for easy handling and interaction.

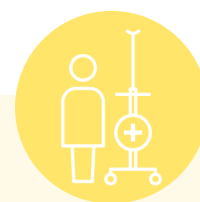
A space-saving design and easy cleaning promote efficiency, convenience, and simpler maintenance, streamlining your daily workflow.



Adaptability

The HAMILTON-HF90 provides precise oxygen delivery and advanced customization of settings to suit both the patient's individual needs and hospital protocols.

Your precision care assistant, the O2 assist¹ feature optimizes performance, while comprehensive data monitoring and sophisticated trend analysis facilitate informed decisions and insights-driven care.



Mobility

With its reliable, long-lasting power supply for extended use, HAMILTON-HF90 is a flexible solution that minimizes dependence on stationary power supplies and enables seamless mobility across wards.

This ensures uninterrupted therapy during mobilization and intrahospital transport, supporting patient independence and recovery.

¹ Option, only available in selected markets

Inspired by you, designed for your patients

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

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

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

One for all

- ✓ Neonatal and pediatric: 2–30 l/min
- ✓ Adult and pediatric: 4–80 l/min

Automatic recognition of the patient group based on the breathing circuit set used ensures appropriate application.

Plug and play

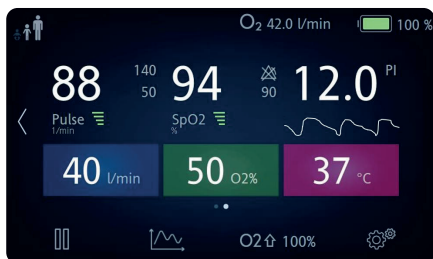
A simple setup with just two components:

- ✓ Humidification chamber with water line
- ✓ Wall-heated breathing circuit with integrated temperature probe

The safety-lock system secures each connector firmly in place.



Adapt your therapy to the patient

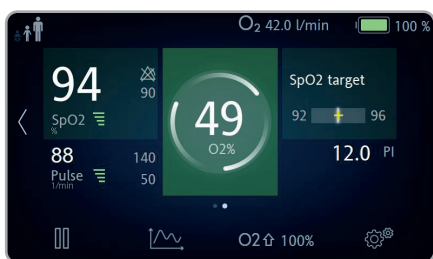


Insights-driven care

Monitoring parameters: Pulse, Respiratory rate, SpO₂, Perfusion Index², PVI², RRp², Plethysmogram

72-h trends for data-driven decisions

Flow/Oxygen, SpO₂/Oxygen³, SpO₂/FiO₂³, ROX index and RRp²



Your precision care assistant

Discover the difference with our O₂ assist signature feature. The O₂ assist software option³ offers continuous adjustment of the oxygen setting to target your patient's SpO₂ and help you keep it within the desired range.



Ready to go

Battery power on

Transporting patients on HFOT can be challenging as it requires external power and oxygen supplies. With its optional battery, the HAMILTON-HF90 can run independently for up to two hours⁴ and 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.

Walk with me

The high-quality trolley for the HAMILTON-HF90 is ideally equipped for intrahospital transport, featuring space for up to three oxygen bottles and sturdy handles on both sides to support the patient. It also includes hangers for a water bottle and infusion bags, five easy-to-maneuver wheels for added stability, and two standard rails for other accessories.

⁴ With the following settings: Flow = 40 l/min, Oxygen = 30%, Temperature = 37°C



Complete high flow solution

Breathing circuit sets

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.

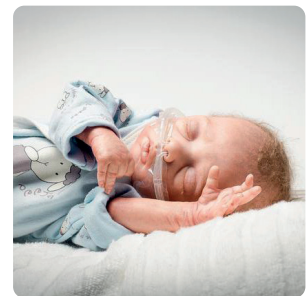
- ✓ Available in two different configurations: Neo/Ped and Adult/Ped
- ✓ Incubator extension can be purchased separately



Interface adapter

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

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



Nebulizer connectivity

- ✓ Use the integrated nebulizer port on the humidification chamber to connect your Aerogen Solo nebulizer
- ✓ Control the Aerogen Solo nebulizer through the HAMILTON-HF90 (if the corresponding communication board is installed)



SpO2 sensor

We offer SpO2 consumables for adult, pediatric, and neonatal patients. You can choose between reusable and single-use products, depending on your institutional policies.

- ✓ Masimo RD SET adapter kit basic
- ✓ SpO2 adhesive sensor (Nihon Kohden)





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.



Your learning starts here:

www.hamilton-medical.com/Academy/HAMILTON-HF90-Learning-Hub.html



More information and free software simulation:
www.hamilton-medical.com/HAMILTON-HF90



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