



Lumis™
HFT

High-flow therapy, at home.

Lumis HFT is a compact, high-flow therapy system designed for COPD patients treated at home. It delivers the benefits of humidification and flow, with or without oxygen, and is suitable for COPD patients affected by chronic cough with mucous production. Lumis HFT is compatible with the user-friendly AcuCare™ high-flow nasal cannula and features built-in wireless connectivity to AirView™, ResMed's securely hosted*, cloud-based patient management system.

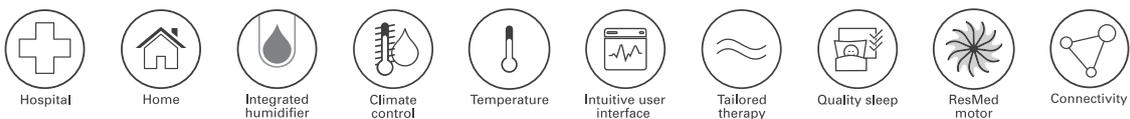
Easy-to-read, front-facing colour screen

Push-dial navigation with a single scroll menu

Heated humidifier is easy to detach, refill and clean



Dedicated home button takes you back to the top of the menu





High-flow therapy for everyday life

Because COPD shouldn't keep patients away from home, Lumis HFT is designed to provide comfortable and effective therapy that helps patients feel at ease with treatment.



Integrated flow generator
delivers flows ranging from 15 to 40 L/min with ambient air, eliminating the need for a separate air supply.



Integrated humidification
Lumis HFT features an integrated HumidAir heated humidifier from the Air10 platform.



Supplementary oxygen
can be added from an oxygen concentrator, oxygen cylinder or hospital wall supply at up to 15 L/min.



Comfortable interface
The high-flow nasal cannula is designed to be easy to fit and is suitable for up to 30 days of home use.



Connected device
Built-in wireless connectivity means you can easily manage all your respiratory patients in AirView.

Key features

Support patient comfort with adjustable heat and humidity

Lumis HFT delivers humidification at three temperature settings: 31°C, 34°C and 37°C. The temperature level is pre-set on the machine and an integrated sensor in the ClimateLineAir™ heated tube is designed to monitor and maintain the temperature of the humidified flow - with or without oxygen - until it reaches your patient.

Simplify training, maintenance, follow-up and logistics

As part of the popular Air10 platform, Lumis HFT uses standard Air10 spares and accessories, such as filters, tubing and the humidifier. As a result, you can integrate the Lumis HFT into your portfolio without expanding your stock management systems, storage requirements or related training programmes. Built-in connectivity to AirView enables you to monitor your patient's therapy duration, usage patterns and SpO₂ values and generate reports.

Treat with a complete, user-friendly solution

Lumis HFT pairs with AcuCare HFNC and AirView to simplify treatment setup, delivery and management. The device has three settings and a straightforward interface to streamline titration. It is easy to add and humidify oxygen for long-term oxygen therapy (LTOT). With the addition of a dedicated SpO₂ adapter, you can monitor oxygen saturations during titration, follow-up, exercise, sleep and other activities. Lumis HFT is compatible with a range of nasal cannulas, including the versatile, durable ResMed AcuCare HFNC.

Product code

Lumis HFT
Includes ClimateLineAir heated tube, Standard Tubing Wrap, HumidAir heated humidifier - cleanable tub **28401**

Technical specifications

Mode	High flow
Operating flow range	15 to 40 L/min
Sound pressure level	ClimateLineAir: 38 dBA with uncertainty of 2 dBA ClimateLineAir and 5 L/min supp. O ₂ : 39 dBA with uncertainty of 2 dBA. As measured according to ISO 80601-2-74:2017 (HFT mode)
Dimensions (H x W x D)	116 mm x 265 mm x 150 mm (device with HumidAir™ humidifier)
Weight	1,290 g (device with HumidAir humidifier)
90W power supply unit	Input range: 100–240V, 50–60Hz, 57VA (typical power consumption)–108VA (peak power consumption)
Operating temperature humidity/altitude	+18°C to +28°C, 10–95% relative humidity, non-condensing / sea level to 2,591 m; air pressure range 1,013 hPa to 738 hPa
Storage and transport temperature/humidity	-20°C to +60°C, 5–95% relative humidity, non-condensing
Housing construction	Flame-retardant engineering thermoplastic
Supplemental oxygen	Low-flow oxygen input (up to 15 L/min)
Standard air filter	Polyester non-woven fibre
Tubing	ClimateLineAir (15 mm)
Air outlet	22 mm air outlet complies with ISO 5356-1:2015
Electromagnetic compatibility	Requirements (EMC) according to IEC60601-1-2: 2014 for residential, commercial, and light industry environments. It is recommended that mobile communication devices are kept at least 1 m away from the device
Aircraft use	ResMed confirms that the device meets the Federal Aviation Administration (FAA) requirements (RTCA/DO-160, section 21, category M) for all phases of air travel
IEC 60601-1: 2006/ A1:2013 classification	Class II (double insulation), Type BF Ingress protection IP22

Note: Technical specifications may change without notice.

This content is intended for health professionals only. Please refer to the user and clinical guides for relevant information related to any warnings and precautions to be considered before and during use of the products.

*AirView was built to be secure and compliant with (EU) 2016/679 (General Data Protection Regulation) and national privacy laws. Our hosting provider in Europe is a third-party company that holds the stringent French ASIP Santé certification as well as the ISO 27001 certification to host medical data.

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Learn more about HFT

