



Lumis™
HFT

High-flow therapy, at home.

Lumis HFT is a high-flow therapy system designed for COPD patients treated at home.

This compact, user-friendly device delivers the benefits of humidification and flow, with or without oxygen, and is suitable for COPD patients affected by chronic cough with mucous production.

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



Hospital



Home



Integrated



Climate



Temperature



Intuitive user



Tailored



Quality sleep



ResMed



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 10 L/min.



User-friendly design includes a refillable heated humidifier and a heated tube that are both easy to detach and clean.



Home device Small, quiet* and simple to use, patients can easily integrate therapy into their everyday life.

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 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.

Titrate and support patients with confidence

With just three settings and a straightforward interface, you can quickly and easily titrate new patients. It is easy to add and humidify oxygen for patients who are receiving long-term oxygen therapy (LTOT) and, with the addition of a dedicated SpO₂ adapter, to monitor oxygen saturations during titration and follow up, as well as exercise, sleep and other activities.

Product code

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

Note: Technical specifications may change without notice. Please refer to the product User Guide for additional information on contraindications, adverse effects, warnings and precautions.

*See "sound pressure level" in the technical specifications section

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Technical specifications

Mode	High flow
Operating flow range	15 to 40 L/min
Sound pressure level	ClimateLineAir: 37 dBA with uncertainty of 2 dBA ClimateLineAir and 5 L/min supp. O ₂ : 45 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	1290 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 1013 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 10 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
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