



# LM Flow Series

High-Flow Therapy system with integrated humidifier

## LM Flow Series – New options in High-Flow Therapy.

The LM Flow Series is distinguished by its simple operation, integrated, low power-consuming oxygen monitoring and settable alarms. It provides a constant flow, which is conditioned by the integrated humidifier. The treated gas can be applied via a high-flow nasal cannula or via the tracheal cannula with the help of a tracheostoma adapter.

Very often the early use of High-Flow Therapy avoids the need for complex intubation and leads to a much better and less invasive treatment outcome. The physiological respiratory gas conditioning contributes greatly to therapy success as the warm, moist air increases mucociliary clearance and supports compliance.

The **LM Flow 100** works with an air-mix technology that allows the user to set the desired oxygen concentration via the display. The device provides a constant flow of 2 to 80 l/min, which reduces the patient's Work Of Breathing by flushing the nasopharyngeal dead space and thus increasing the patient's breathing efficiency in the acute phase. After the patient is released from the hospital, therapy can be continued with **LM Flow**, which was specially developed for long-term ventilator use at home. This device also provides a constant flow from 2 to 80 l/min.

Your benefits from High-Flow Therapy:

- Flushing of the nasopharyngeal dead space
- Reduction in respiratory effort
- Humidification and heating of airways, which improves mucociliary clearance
- Improvement in oxygenation



Device Description	Article Number
LM Flow	302010004
LM Flow 100	302010003

### Accessories

<b>Trolley for LM Flow Series</b>	402300020	<b>Nasal cannula, Adults (3 sizes)</b>	
<b>Heated tube system</b> with water chamber (disposable)	303030017	Size S	lmhfc2003
<b>Heated tube system</b> without water chamber (disposable)	313030017	Size M	lmhfc2002
<b>Humidification chamber, homecare</b> (reusable)	303040002	Size L	lmhfc2001
<b>Humidification chamber accessories</b> elbow	501010141	<b>Nasal cannula, Children (3 sizes)</b>	
		Size S	lmhfc2006
		Size M	lmhfc2005
		Size L	lmhfc2004
		<b>Tracheostoma adapter</b>	303030007
		<b>Disinfection unit</b>	303030010
		<b>Disinfection kit</b>	303030011

### Technical Data

Product class as per 93/42/EWG	Ila
Dimensions W x H x D in mm	LM Flow: 300 x 197 x 165 mm LM Flow 100: 358 x 197 x 165 mm
Weight	LM Flow: 2.0 kg LM Flow 100: 2.5 kg
Maximum flow	80 l/min
Flow range	2 to 80 l/min
Settings for target temperature	31°, 34°, 37° Celsius
Sound pressure level of acoustic alarm	Alarm of more than 45 dBA at distance of 1 m
Humidification LM Flow Series	> 33 mg/l (2~60 l/min, 37°C) > 10 mg/l (2~80 l/min, 34°C) > 10 mg/l (2~60 l/min, 31°C)
Warm-up time	10 minutes to 31°C 30 minutes to 37°C (with a humidifier chamber with flow rate of 35 l/min. and a starting temperature of 23 ± 2°C)
Highest temperature of supplied gas	43° Celsius
Accuracy of oxygen measurement	21%~100% ± 3%
Oxygen measurement	No-maintenance ultrasonic sensor

# CE 0197

#### Importer and Distributor

Löwenstein Medical  
Arzbacher Straße 80  
56130 Bad Ems  
Germany

T: +49 2603 9600-0  
F: +49 2603 9600-50  
info@hul.de  
www.hul.de



Prolinx  
Brehmstr. 56, 40239 Düsseldorf  
Germany



Shenyang RMS Medical  
No. 21, Gaoke Road, Hunnan New District, Shenyang  
China

