

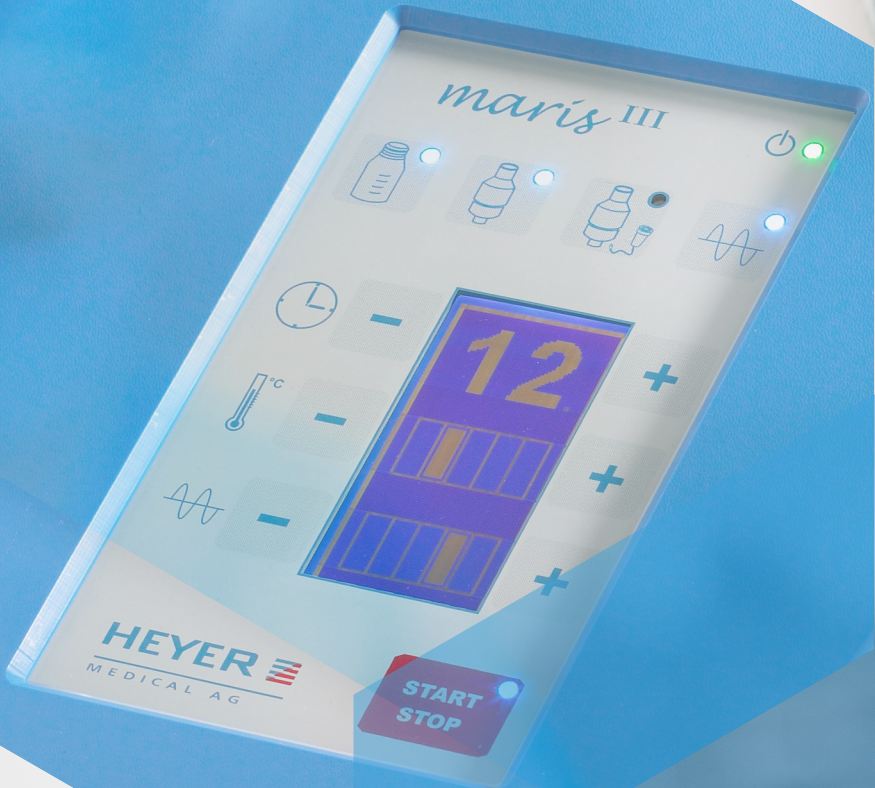


*maris* III

PROFESSIONAL INHALATION SYSTEM

**HEYER**

**MEDICAL AG**



# PROFESSIONAL INHALATION SYSTEM

## WELLNESS FOR THE AIRWAYS

- Universal inhalation system for the nebulization of brine, thermal and seawater and all kinds of drugs with an indication for inhalation therapy.
- Separate nebulizer for brine and drug nebulization.
- Highly integrated, electronically controlled and adjustable heating system for the warm-moist inhalation.
- Exclusive warming of the brine mist.
- Type of therapy selectable: continuously drug nebulization, dosed drug nebulization and brine nebulization. The brine and drug nebulization can be used individually or in combination with activation of the aerosol vibration.
- Therapy time adjustably between 1 to 30 minutes.
- Built-in aerosol vibration module to provide the aerosol particles with a superimposed oscillation of 100 Hz. This causes a deeper penetration and deposition of mist particles inside the upper airways.
- Remote control for drug nebulizer to provide an exclusively nebulization of the expensive drugs during inspiration.
- Integrated music module with a connection for headphones.
- Re-breathing protection to prevent contamination of the nebulizer system by the patient.
- All patient parts are removable and easy to clean, disinfect and autoclave (up to 121°C)
- Autoclavable stainless-steel bacteria filter for disinfection of the necessary compressed air.
- HEYER Maris III can be mounted with flexible support arm on an inhalation basin, movable on a mobile stand or used as a tabletop unit.

## Basic equipment consisting of:

- Basic unit
- Brine nebulizer
- Drug nebulizer
- Patient part for silicone application parts
- Mouth and nose piece (silicone)
- Stainless steel bacteria filter

## Available options:

- Headphones with volume control
- Remote control of the dosed application of drugs
- Patient parts for porcelain application parts
- Various mounting options



Standard  
maris III  
-Front View



Standard  
Maris III  
-Rear View



Fully  
equipped  
maris III



# SPECIFICATIONS

## Electricity supply

|                    |             |
|--------------------|-------------|
| Mains voltage:     | 230 V AC    |
| Power frequency:   | 50 Hz       |
| Power consumption: | max. 110 VA |
| Protection type:   | IP 33       |
| Protection class:  | 1           |
| Application type:  | B           |

## Gas supply

|                         |                   |
|-------------------------|-------------------|
| Pressure working range: | 1.3 bar – 1.9 bar |
| Ideal pressure range:   | 1.5 bar           |
| Compressed air flow:    | at least 25 L/min |
| Compressed air quality: | Medical Grade AIR |

## Performance data

|  |                      |
|--|----------------------|
| Brine nebulising:                                      |                      |
| Throughput of medium:                                  | approx. 2.2 ml/min * |
| Spectrum:  | 5-40 µm              |
| Container volume:                                      | 200 ml               |
| Drug nebulising:                                       |                      |
| Throughput of medium:                                  | approx. 0.2 ml/min * |
| Spectrum:  | 1-10 µm *            |
| * measured with 0,9 % NaCl in H <sub>2</sub> O at 24°C |                      |

## Aerosol temperature

|                    |   |
|--------------------|---|
| Temperature range: | approx. 34°C to 38°C<br>(adjustable in 5 steps) |
|--------------------|---|

## Aerosol vibration:

|            |                       |
|------------|-----------------------|
| Frequency: | 100 Hz                |
| Output:    | adjustable in 5 steps |

## Treatment time

|                         |                 |
|-------------------------|-----------------|
| Range of settings:      | 1 to 30 minutes |
| Increments for setting: | 1 minute        |

## Ambient temperature

|               |             |
|---------------|-------------|
| In operation: | 15°C – 30°C |
| Storage:      | 3°C – 35°C  |

## Dimensions

|               |                               |
|---------------|-------------------------------|
| Height:       | 320 mm                        |
| Width:        | 390 mm                        |
| Depth:        | 300 mm                        |
| (when set up) | (excluding application tubes) |

## Weight

|          |                |
|----------|----------------|
| Unfilled | approx. 4.7 kg |
|----------|----------------|





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Rev. 11/2015 - EN

**C € 0044**