

Ultra Sonic

Intuitive, reliable and durable

AMTRION

VALUES IN MOTION



Ultrasonic nebulizer

The "Ultra Sonic" is an ultrasonic nebulizer, which produces the finest mist by smashing liquids. It is used for humidifying the breathing air and to inhale salt solutions of spontaneously breathing patients. Tiny droplets reach not only the upper, but in particular also the lower respiratory tract. This makes it particularly effective in the treatment of lung diseases. The "Ultra Sonic" has proven to be a robust and reliable tool in the clinical environment.

Produces the finest mist with alveolar particles

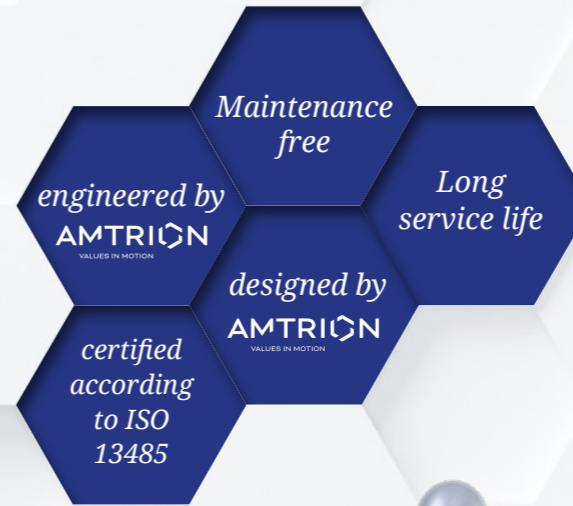
Compact and silent-running

Intuitive and comfortable handling

Easy cleaning

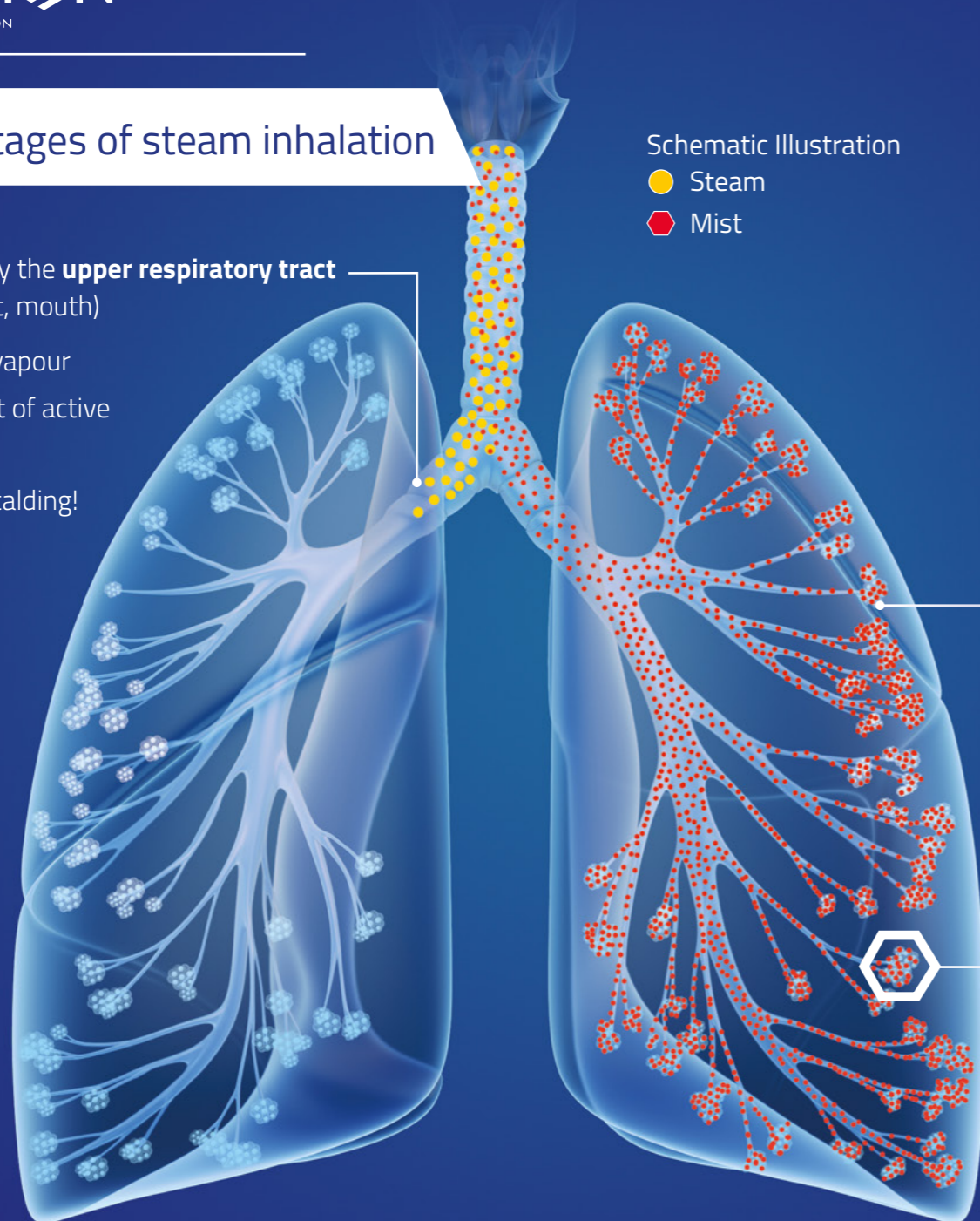
More than 20 years of experience with this technology

Numerous accessories



Disadvantages of steam inhalation

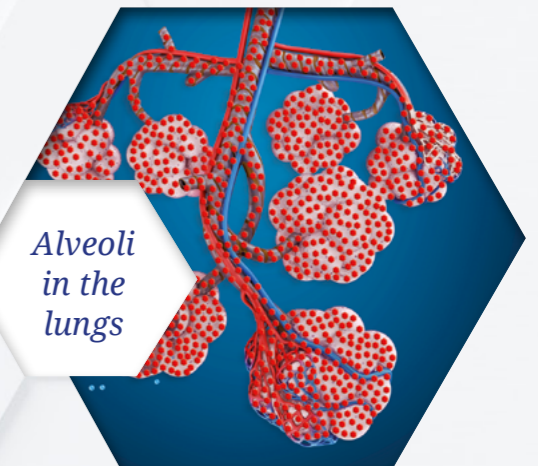
- Reaches only the **upper respiratory tract** (nose, throat, mouth)
- Only water vapour
- No transport of active ingredients
- Danger of scalding!



Advantages of ultrasonic nebulization

Inhalation with depth effect

- Production of smallest particles using ultrasound
- Aerosol temperature max. 37° C → No risk of scalding
- Silent-running, max. 45 dB(A)
- Easy disinfection of all air flow accessories
- Reaches not only the upper, but in particular also the **lower respiratory tract**



Bacteria filter

- Standardised connection (ISO cone 22)

Quartz oscillator

- Generation of ultrasound

Nebulizer chamber

- Automatic filling system for nebulizing medium
- Safe use through level indicator
- Autoclavable

Alarm light/sound

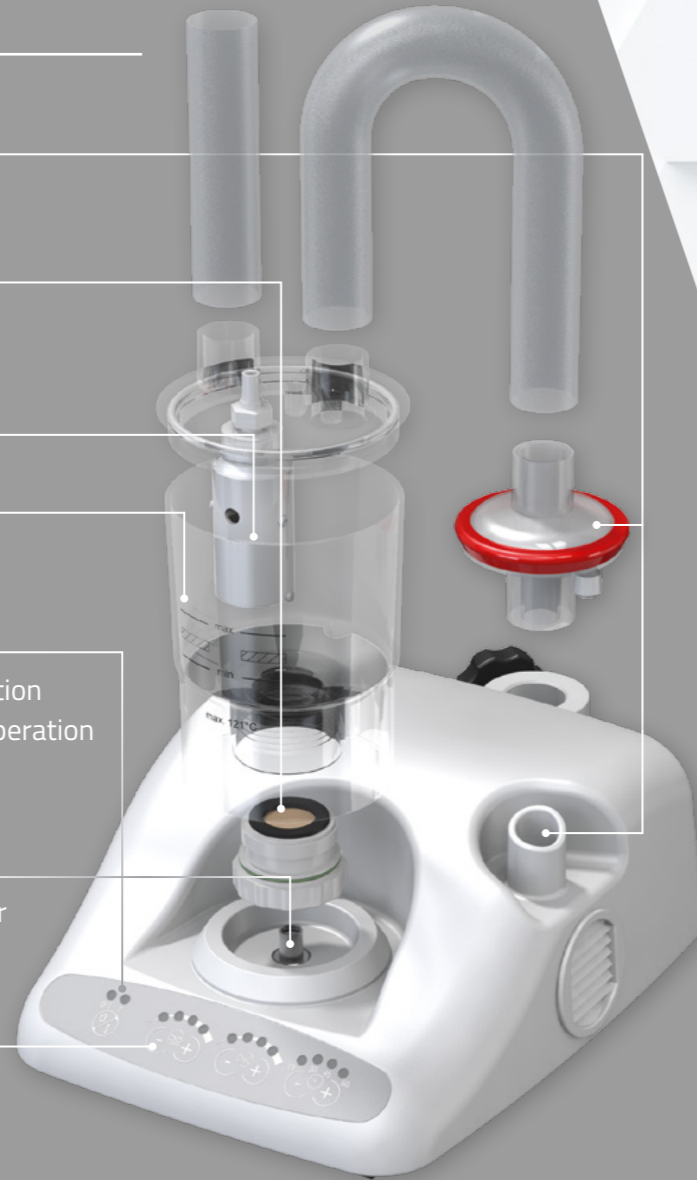
- Elapsed nebulization time / dry run protection
- Removing the nebulizer chamber during operation
- General device error

Holder for nebulizer chamber

- Simple alignment of the nebulizer chamber through the guide groove

Intuitive control panel

- Timer (permanent / 15, 30, 45, 60 min)
- Air flow (max. 20 l/min)
- Nebulizer output (max. 3 ml/min)



Ultra Sonic

At a glance

ISO 60601-1
3rd CE

FDA listed

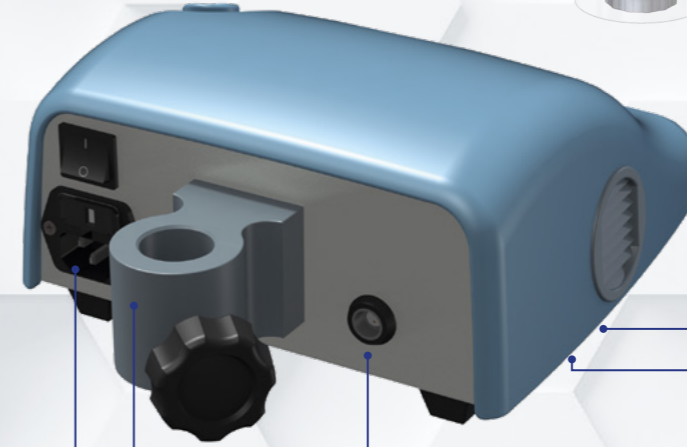


Disposables (optional)

- Sterile water systems
- Cup

Shell colours

- Available in blue and white



High-quality material

- ABS plastic housing
- Stainless steel base plate

Heatable patient tube (optional)

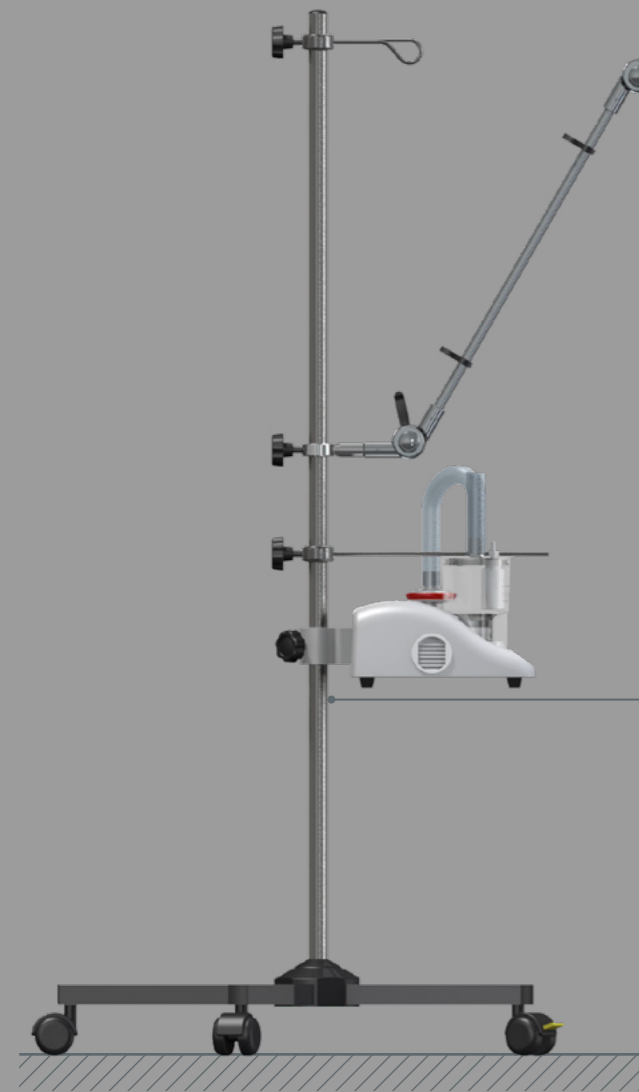
- Connection socket

Fixation for pole

- Optional accessory set for table, wall and trolley

Voltage regulator

- Variable setting option of the mains voltages (110, 127 and 230 V)
- Country specific power cable selectable



engineered by
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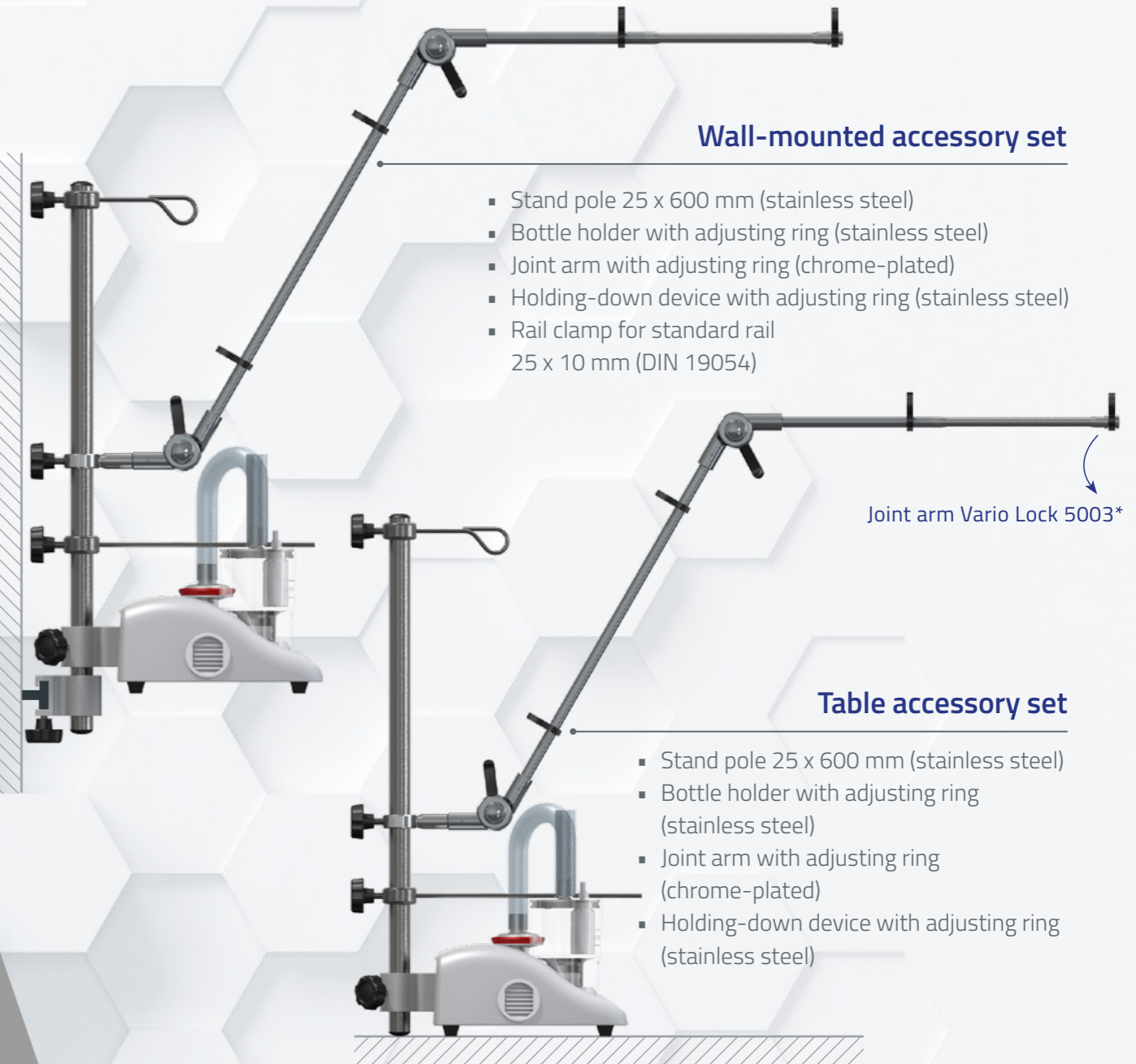
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Trolley accessory set

- Stand pole 25 x 1.160 mm (stainless steel)
- Bottle holder with adjusting ring (stainless steel)
- Joint arm with adjusting ring (chrome-plated)
- Holding-down device with adjusting ring (stainless steel)
- 5-arm mobile stand (chrome-plated) with 50 mm wheels

Mounting options

For ideal application



Wall-mounted accessory set

- Stand pole 25 x 600 mm (stainless steel)
- Bottle holder with adjusting ring (stainless steel)
- Joint arm with adjusting ring (chrome-plated)
- Holding-down device with adjusting ring (stainless steel)
- Rail clamp for standard rail 25 x 10 mm (DIN 19054)

Joint arm Vario Lock 5003*

Table accessory set

- Stand pole 25 x 600 mm (stainless steel)
- Bottle holder with adjusting ring (stainless steel)
- Joint arm with adjusting ring (chrome-plated)
- Holding-down device with adjusting ring (stainless steel)



- 1 ultrasonic nebulizer
- 2 tube approx. 300 mm
- 3 tube approx. 1,200 mm
- 4 bacteria filter
- 5 power cable
- 6 nebulizer chamber
- 7 nebulizer chamber lid
with automatic filling system
- 8 quartz module

Ultra Sonic
Standard delivery

Technical specifications

Ultra Sonic	
Dimensions (H x W x D)	19.0 x 20.5 x 31.5 cm (incl. support brackets)
Weight	approx. 3.5 kg (7,7 lbs)
Nebulizer output	max. 3 ml/min
Air flow	max. 20 l/min
Average particle size	is less than 4 µm
Aerosol temperature	max. 37° C
Ultrasonic frequency	1.68 MHz ± 5%
Sound pressure level	max. 45 dB(A)
Operation mode	permanent / time-controlled
Operating Voltage	110, 127, 230 V; 50/60 Hz
Power consumption	ultrasonic nebulizer 50 VA
Power consumption	tube heater 30 VA
Directive 93 / 42 / EEC	Ila
Operating condition	10 – 30° C / 0 – 90 % R.H.
Protection class	class I, type B
IP-Code	IP 22 (splash-proof)

PRODUCT PORTFOLIO

- TROLLIES
- FIXING SYSTEMS
- SUPPORT ARM SYSTEMS
- ELECTRONIC COMPONENTS

PRODUCTION BY ORDER

PRODUCT DEVELOPMENT



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*certified
according
to ISO
13485:2016*

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