

**CA-MI**

# Italian Medical Touch

SURGICAL SUCTION UNITS

AEROSOL DELIVERY SYSTEMS

DIAGNOSTICS

WELLNESS | HOME-CARE

# CATALOGUE 2019



# COMPANY PROFILE

CA-MI is an Italian family-run factory founded in the early 80's and committed in the production of electromedical equipments, such as SURGICAL SUCTION UNITS for the aspiration of human and animal fluids, used by home-care, hospital, emergency and aesthetic professionals, AEROSOL DELIVERY SYSTEMS used in aerosoltherapy for the treatment of respiratory pathologies, and INHALATORS for hot-humid therapies in the upper airways management. Other medical devices such as diagnostics, body temperature management, TENS devices and antidecubitus products complete the vast range.

The expertise and know-how achieved with over 30 years of experience make today CA-MI in the position to export to more than 100 countries and provide comprehensive answers to medical operators. The recent acquisition of new and larger premises nearby Parma -in the North of Italy-, increased the production capacity and the logistic service to keep pace with the growing demand of its products.

With innovating Italian design, CA-MI suction devices and compressor nebulizers are available in different sizes, configurations and performances to cover all possible applications in the medical field of fluid aspiration and aerosoltherapy. CA-MI is also one of the most preferred partners in the marketplace for OEM-basis supplies.

Visitors are welcome to meet CA-MI Export Team on occasion of the major international exhibitions such as Medica in Dusseldorf (D) or Arab Health in Dubai (UAE), where we are constantly present with our entire range of medical devices.

## QUALITY

Relying on in-house R&D and design departments, all CA-MI suction devices and compressor nebulizers are manufactured in Italy using state-of-the-art and wear resistant materials, in compliance with: UNI EN ISO 9001:2015 and EN ISO 13485:2016 normatives and carry relevant CE 0123 number certified by German Notified Body TÜV SÜD Product Service GmbH.

The high standards of quality recently allowed CA-MI suction units, aerosol delivery systems, hot-steam inhalators and breast pump to meet the requirements of the latest EN 60601-1-11 "for use in the home healthcare environment, regardless of whether the medical electrical equipment or medical electrical system is intended for use by a lay operator or by trained healthcare personnel" and to be classified with IP21 being "the degree of protection provided against the intrusion (including body parts such as hands and fingers), dust, accidental contact, and water in mechanical casings and with electrical enclosures."

### **CLASSIFICATIONS (MDD 93/42/EEC and subsequent changes)**

#### **Class IIa Medical Devices**

Suction Units, Aerosol Delivery Systems, Jet Nebulizers, Inhalators, Nasal Irrigator, Blood Pressure Monitors, Thermometers, Finger Pulse Oximeters, TENS.

#### **Class I<sup>m</sup> with function of measure**

Aneroid and Palm-Type Sphygmomanometers, Suction Containers, Disposable Liners and Mercury-Free Clinical Thermometers.

#### **Class I non-sterile**

Incentive Spirometers, Antidecubitus Mattress and Stethoscopes.

Technical data, equipment and options shown are based on the latest information available at the time of printing and are subject to change without notice.



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### Intended Use

Electric suction units are medical devices used in wards, theaters, ambulances, home-care and other fields for aspirating human or animal fluids from the mouth, the airways and from operation sites by sucking the material through a cannula into a collection jar. Mobile electric suction units offer a convenient alternative to central vacuum systems.

### CA-MI suction units are divided into 3 main categories:

#### DESK-TYPE

Portable suction units with reduced size and weight that can be easily displaced. Trolley on castors available as an option.



#### BATTERY-OPERATED

Suction units that besides standard operation by mains have autonomy by internal rechargeable battery.



#### ON CASTORS

Professional suction units on antistatic castors, offering a great choice of accessories for various applications.



### Fields of application

CA-MI suction units find application in a variety of different fields, such as ENT, Tracheostomy, Endoscopy, Gastroenterology, General Surgery, Obstetrics, Veterinary, Liposuction, Dental, Emergency, Crash Carts, Ambulance and many others.

### Configurations

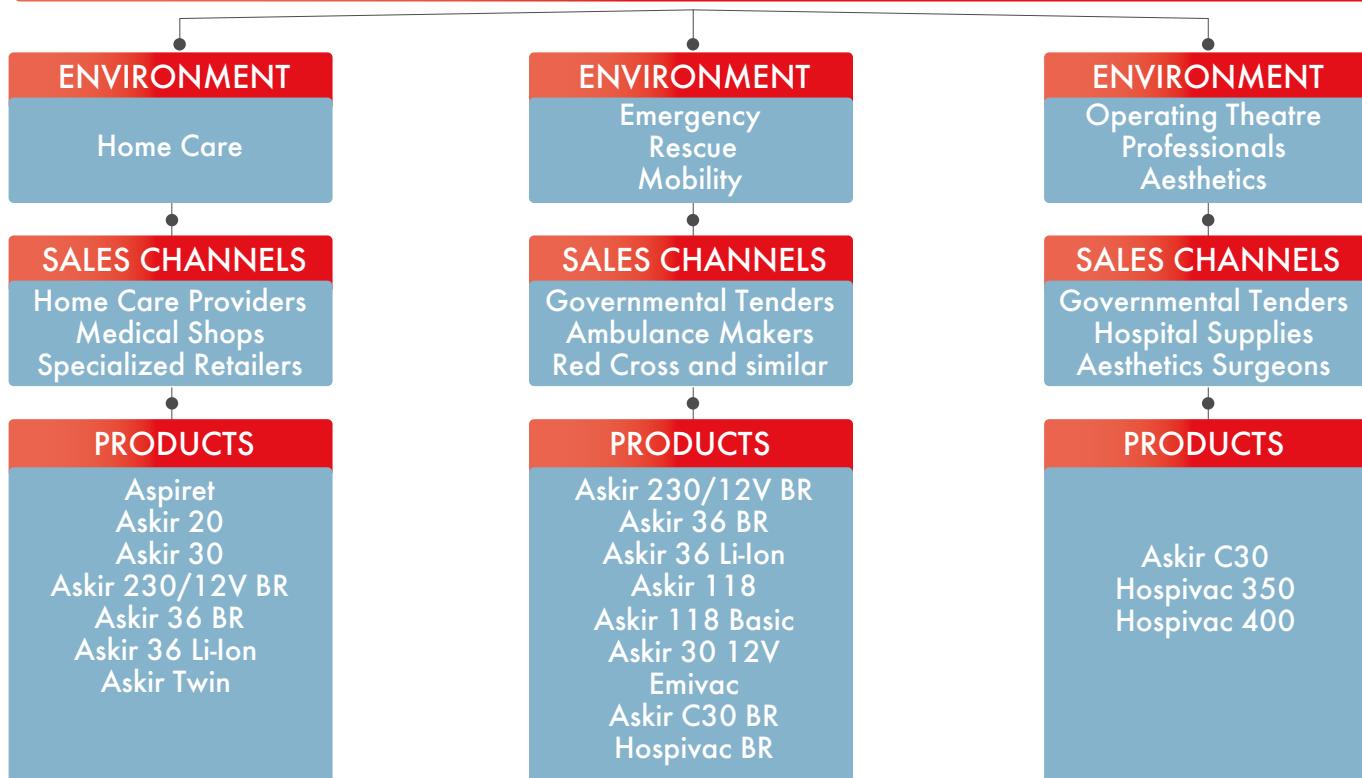
All CA-MI suction units are all provided with a number of standard accessories, along with optional accessories to facilitate the operation of medical staff, professionals and lay people.

- Vacuum pump
- Vacuum regulator footswitch
- Jar for liquid collection with overflow valve to prevent liquid from going into the pump
- Hydrophobic/bacterial filter to avoid contaminations and liquid passage
- Vacuum regulator and gauge
- Suction tubes
- Wall mount for ambulances

#### A number of optional accessories / functions is also available

- Foot-pedal switch with double-mode operation
- Change-over function to quickly switch suction from one jar to the next
- Antistatic castors with brakes and 360° swivel for easy displacement
- Built-in rechargeable battery for operation without mains

## FIELDS OF APPLICATION



## MAIN CHARACTERISTICS

### Antibacterial/Hydrophobic Filter

Single-patient filters to avoid cross contaminations and liquid passage to the pump.

### Vacuum Gauge

Analogic display in different diameters with graduated scale in mmHg and kPa (interval by 5) or digital LCD.

### Liquid Collection Jar

Single or multiple containers in different sizes and materials, reusable or disposable. Provided with cover and overflow valve system.

### ON/OFF Switch

Mechanical or digital switch.

### Conical Connector

Different diameters to connect any type of cannula.



### Vacuum Regulator

Manual knob or digital keys for accurate adjustment of vacuum levels.

### Pump (main unit)

Oilless pumps for non-stop operation with different suction capacities, from 15 l/min to 90 l/min.

**Handle** for easy displacement and **rear compartment** for accessory storage.



**Safety Trap Bottle** constitutes an additional protection of the pump besides the overflow valve system inside every jar.

### MPR System (Multi-Purpose Rail)

Easy interchange of CA-MI accessories, such as rings of various diameters to accommodate jars of different sizes and types, safety trap bottles, cannula holders or a standard medical rail where to hook any accessory by means of standard clamps.

4 x twin antistatic castors  
Ø75mm with brakes  
with 360° swivel.

	NEW ASPIRET		NEW ASKIR TWIN		NEW ASKIR 20		NEW ASKIR 30		NEW ASKIR 30 PROXIMITY
Power Feeding	230V / 50-60Hz 120-127V / 60Hz	230V / 50-60Hz	230V / 50-60Hz	230V / 50-60Hz 110-127V / 60Hz	230V / 50-60Hz	230V / 50-60Hz	230V / 50-60Hz	230V / 50-60Hz	
Max Air Flow (without accessories)	15 l/min	30 l/min	16 l/min	40 l/min	40 l/min	40 l/min	40 l/min	40 l/min	
Max Vacuum	-563 mmHg	-600 mmHg	-563 mmHg	-600 mmHg	-600 mmHg	-600 mmHg	-600 mmHg	-600 mmHg	
Operation	Non-stop approved	Non-stop approved	Non-stop approved	Non-stop approved	Non-stop approved	Non-stop approved	Non-stop approved	Non-stop approved	
Proximity (touchless ON/OFF)								YES	

	ASKIR C30		NEW HOSPIVAC 350		NEW HOSPIVAC 400
Power Feeding	220-230V / 50-60Hz	220-230V / 50-60Hz 110-127V / 60Hz	220-230V / 50-60Hz	220-230V / 50-60Hz	220-230V / 50-60Hz
Max Air Flow (without accessories)	40 l/min	60 l/min	90 l/min		
Max Vacuum	-600 mmHg	-675 mmHg	-675 mmHg		
Operation	Non-stop approved	Non-stop approved	Non-stop approved		
Options	Footswitch	Footswitch Change-Over	Footswitch Change-Over		

	NEW ASKIR 12V		NEW EMIVAC
Power Feeding	12V CAR ADAPTER	FOOT OPERATED	

# MAIN FEATURES

SUCTION UNITS

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BATTERY OPERATED suction units					
AC/DC Universal adapter 100-240V / 50-60Hz	YES	YES	YES	YES	YES
Car Adapter 12V	YES	YES	YES	YES (118 model only)	YES (118 model only)
Ambulance wall mount 12V 4A				YES (WM model only)	YES (WM model only)
Type of battery	Lead	Lead	Lithium-Ion	Lithium-Ion	Lithium-Ion
Battery Autonomy	80 min	60 min	70 min	70 min	70 min
Recharge Time	240 min	240 min	360 min	360 min	360 min
Max Air Flow (without accessories)	16 l/min	36 l/min	36 l/min	36 l/min	26 l/min
Max Vacuum	-563 mmHg	-600 mmHg	-600 mmHg	-563 mmHg	-563 mmHg
10G certified				YES (WM model only)	YES (WM model only)
Energy-saving			YES	YES	YES
Proximity (touchless ON/OFF)			YES	YES	YES

BATTERY OPERATED suction units		
AC/DC Universal adapter 100-240V / 50-60Hz	YES	YES
Type of battery	Lead	Lead
Battery Autonomy	60 min	250 min
Recharge Time	240 min	480 min
Energy-saving		YES
Max Air Flow (without accessories)	36 l/min	50 l/min
Max Vacuum	-600 mmHg	-637,5 mmHg



## MAIN APPLICATIONS

ENT

Home Care

Room/Ward

Tracheostomy

NEW ASPIRET is suitable for nasal, oral and endotracheal aspiration of bodily fluids (mucus or catarrh) from adults and children. Indicated for tracheotomized patients, minor surgical applications and post-operative therapy, NEW ASPIRET finds application in out-patient and in-patient care, elderly care and in private care.

## ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector ø 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- Power Cord with Schuko plug

## OPTIONS

- Stand on 5 Castors Ø 50mm with Brakes (antistatic upon request) REF 27731
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207

## TECHNICAL FEATURES

Motor	Oilless and maintenance-free piston pump
Power Feeding	220-230V / 50-60Hz or 120-127V / 60Hz
ISO 10079-1 Classification	HIGH VACUUM / LOW FLOW
IP Code	IP21
Max Vacuum (adjustable)	-0.75 bar -75 kPa -563 mmHg
Max free air flow rate	15 l/min
Noise Level	59,6 dBA
Duty cycle	Non-stop operation
Weight	kg 2.95 (unit packed with all accessories)
Size	cm 19 x 23 x 15
Years of Warranty	2
Shipping carton	4
Place of Manufacturing	Italy

## AVAILABLE CONFIGURATIONS

- |              |  |
|--------------|--|
| RE 310001    | NEW ASPIRET with 1000 ml autoclavable jar in polycarbonate Makrolon 2858   |
| RE 310001/01 | NEW ASPIRET with 2000 ml autoclavable jar in polycarbonate Makrolon 2858   |
| RE 310002    | NEW ASPIRET with 1000 ml Flovac® disposable liner and reusable container   |
| RE 310002/01 | NEW ASPIRET with 2000 ml Flovac® disposable liner and reusable container<br>— Jars in APEC® autoclavable up to 143°C available upon request<br>— Disposable jar 1000 ml available upon request |

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## MAIN APPLICATIONS

ENT

Home Care

Room/Ward

Tracheostomy



NEW ASKIR 20 is suitable for nasal, oral and endotracheal aspiration of bodily fluids (mucus or catarrh) from adults and children. Indicated for tracheotomized patients, minor surgical applications and post-operative therapy, NEW ASKIR 20 finds application in out-patient and in-patient care, elderly care and in private care.

## ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector ø 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- Power Cord with Schuko plug

## OPTIONS

- Stand on 5 Castors Ø 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Wall Mount 27736

## TECHNICAL FEATURES

Motor	Oilless and maintenance-free piston pump
Power Feeding	220-230V / 50-60Hz
ISO 10079-1 Classification	HIGH VACUUM / LOW FLOW
IP Code	IP21
Max Vacuum (adjustable)	-0.75 bar -75 kPa -563 mmHg
Max free air flow rate	16 l/min
Noise Level	60,5 dBA
Duty cycle	Non-stop operation
Weight	kg 3.49 (unit packed with all accessories)
Size	cm 35 x 18 x 21
Years of Warranty	2
Shipping carton	3
Place of Manufacturing	Italy

## AVAILABLE CONFIGURATIONS

- |              |   |
|--------------|---|
| RE 310100/12 | NEW ASKIR 20 with 1000 ml autoclavable jar in polycarbonate Makrolon 2858 |
| RE 310100/13 | NEW ASKIR 20 with 2000 ml autoclavable jar in polycarbonate Makrolon 2858 |
| RE 310101/12 | NEW ASKIR 20 with 1000 ml Flovac® disposable liner and reusable container |
| RE 310101/13 | NEW ASKIR 20 with 2000 ml Flovac® disposable liner and reusable container |
|              | Jars in APEC® autoclavable up to 143°C available upon request             |
|              | Disposable jar 1000 ml available upon request                             |

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## MAIN APPLICATIONS

Endoscopy

Gastroenterology

General Surgery

Home-Care

Obstetrics

Room / Ward

Veterinary

NEW ASKIR 30 is suitable for nasal, oral and endotracheal aspiration of bodily fluids (mucus or catarrh) from adults and children. Indicated for tracheotomized patients, surgical applications and post-operative therapy, NEW ASKIR 30 finds application in out-patient and in-patient care, elderly care, in private care and at professional level due to its powerful suction capacity of 40 l/min.

The newly-designed ergonomic handle ensures a comfortable and secure grip.

## ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector ø 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- Power Cord with Schuko plug

## OPTIONS

- |  |            |
|--|------------|
| - Stand on 5 Castors Ø 50mm with Brakes<br>(antistatic upon request) | REF 27730  |
| - Carrying Bag (for 1000ml jar)                                      | SP 0207/02 |
| - Carrying Bag (for 2000ml jar)                                      | SP 0207    |
| - Vacuum regulator footswitch  | /          |
| - Wall Mount   | 27736      |

## TECHNICAL FEATURES

Motor	Oilless and maintenance-free piston pump	
Power Feeding	220-230V / 50-60Hz or 110-127V / 60Hz	
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW	
IP Code	IP21	
Max Vacuum (adjustable)	-0.80 bar -80 kPa -600 mmHg	
Max free air flow rate	40 l/min	
Noise Level	60,5 dBA	
Duty cycle	Non-stop operation	
Weight	kg 4.15 (unit packed with all accessories)	
Size	cm 35 x 18 x 21	
Years of Warranty	2	
Shipping carton	3	
Place of Manufacturing	Italy	

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## AVAILABLE CONFIGURATIONS

- RE 310100/02 NEW ASKIR 30 with 1000 ml autoclavable jar in polycarbonate Makrolon 2858
- RE 310100/03 NEW ASKIR 30 with 2000 ml autoclavable jar in polycarbonate Makrolon 2858
- RE 310101/02 NEW ASKIR 30 with 1000 ml Flovac® disposable liner and reusable container
- RE 310100/53 NEW ASKIR 30 with 2000 ml Flovac® disposable liner and reusable container
- Jars in APEC® autoclavable up to 143°C available upon request
- Disposable jar 1000 ml available upon request

**MAIN APPLICATIONS**


Endoscopy

Gastroenterology

General Surgery

Home-Care

Obstetrics

Room / Ward

Veterinary



NEW ASKIR 30 Proximity is suitable for nasal, oral and endotracheal aspiration of bodily fluids (mucus or catarrh) from adults and children. Indicated for tracheotomized patients, surgical applications and post-operative therapy, NEW ASKIR 30 Proximity finds application in out-patient and in-patient care, elderly care, in private care and at professional level due to its powerful suction capacity of 40 l/min. The newly-designed ergonomic handle ensures a comfortable and secure grip.

**ACCESSORIES INCLUDED**

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector ø 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- Power Cord with Schuko plug

**OPTIONS**

- |  |            |
|--|------------|
| - Stand on 5 Castors Ø 50mm with Brakes<br>(antistatic upon request) | REF 27730  |
| - Carrying Bag (for 1000ml jar)                                      | SP 0207/02 |
| - Carrying Bag (for 2000ml jar)                                      | SP 0207    |
| - Vacuum regulator footswitch  | /          |
| - Wall Mount   | 27736      |

**TECHNICAL FEATURES**

Motor	Oilless and maintenance-free piston pump
Power Feeding	220-230V / 50-60Hz
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
IP Code	IP21
Max Vacuum (adjustable)	-0.80 bar -80 kPa -600 mmHg
Max free air flow rate	40 l/min
Noise Level	60,5 dBA
Duty cycle	Non-stop operation
Weight	kg 4.16 (unit packed with all accessories)
Size	cm 35 x 18 x 21
Years of Warranty	2
Shipping carton	3
Place of Manufacturing	Italy

**AVAILABLE CONFIGURATIONS**

RE 310100/55	NEW ASKIR 30 Proximity with 1000 ml autoclavable jar in polycarbonate Makrolon 2858
RE 310100/56	NEW ASKIR 30 Proximity with 2000 ml autoclavable jar in polycarbonate Makrolon 2858
RE 310101/03	NEW ASKIR 30 Proximity with 1000 ml Flovac® disposable liner and reusable container
RE 310101/04	NEW ASKIR 30 Proximity with 2000 ml Flovac® disposable liner and reusable container
	Jars in APEC® autoclavable up to 143°C available upon request
	Disposable jar 1000 ml available upon request

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## MAIN APPLICATIONS

Endoscopy

Gastroenterology

General Surgery

Home-Care

Obstetrics

Room / Ward

Veterinary



NEW ASKIR TWIN is suitable for nasal, oral and endotracheal aspiration of bodily fluids (mucus or catarrh) from adults and children. Indicated for tracheotomized patients, surgical applications and post-operative therapy, NEW ASKIR TWIN finds application in out-patient and in-patient care, elderly care, in private care and at professional level due to its powerful suction capacity of 30 l/min. Option of "twin jar" use, thus doubling liquid collection capacity.

## ACCESSORIES INCLUDED

- 2x Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector ø 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- Power Cord with Schuko plug

## TECHNICAL FEATURES

Motor	Oilless and maintenance-free piston pump
Power Feeding	220-230V / 50-60Hz
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
IP Code	IP21
Max Vacuum (adjustable)	-0.80 bar -80 kPa -600 mmHg
Max free air flow rate	30 l/min
Noise Level	58 dBA
Duty cycle	Non-stop operation
Weight	kg 3.40
Size	cm 50 x 20 x 25
Years of Warranty	2
Shipping carton	4
Place of Manufacturing	Italy

## AVAILABLE CONFIGURATIONS

NEW ASKIR TWIN with 2 x 1000 ml autoclavable jar in polycarbonate Makrolon 2858

NEW ASKIR TWIN with 2 x 1000 ml Flovac® disposable liner and reusable container

NEW ASKIR TWIN with 2 x 1000 ml Jars in APEC® autoclavable up to 143°C available upon request

NEW ASKIR TWIN with 1 x 1000 ml Jars available upon request

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## MAIN APPLICATIONS

Emergency Dept.

Home-Care

Patient Transfer

Room / Ward

Tracheostomy

Veterinary



NEW ASKIR 230/12V BR is an electric suction unit for the aspiration of body liquids, oral, nasal and tracheal aspiration in adults or children. Suitable for emergency applications and for post-operative therapy, both in professional environment and home-care.

Three different options for operation: AC/DC adapter, rechargeable battery and 12V make it a versatile suction unit approved for NON-STOP operation without overheating. Provided with visual and acoustic alarm indicating low battery level.

The newly-designed ergonomic handle ensures a comfortable and secure grip.

## ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector ø 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient) + CH20 Canula
- AC/DC Universal Adapter + Power Cord with Schuko plug
- 12V Car Adapter

## OPTIONS

- Stand on 5 Castors Ø 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Wall Mount 27736

## TECHNICAL FEATURES

Motor	Oilless and maintenance-free piston pump		
Power Feeding	14V	---	4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1)
	12V	---	4A Internal rechargeable Pb battery - Autonomy 80 min. - Recharging Time 4 hours
	12V	---	1,9A Car adapter
ISO 10079-1 Classification	HIGH VACUUM / LOW FLOW		
IP Code	IP21		
Max Vacuum (adjustable)	-0.75 bar	-75 kPa	-563 mmHg
Max free air flow rate	16 l/min		
Noise Level	63,0 dBA		
Duty cycle	Non-stop operation (by mains only)		
Weight	kg 4.55 (unit packed with all accessories)		
Size	cm 35 x 18 x 21		
Years of Warranty	2		
Shipping carton	3		
Place of Manufacturing	Italy		

## AVAILABLE CONFIGURATIONS

- |              |   |
|--------------|---|
| RE 310211    | NEW ASKIR 230/12V BR with 1000 ml autoclavable jar in polycarbonate Makrolon 2858 |
| RE 310211/01 | NEW ASKIR 230/12V BR with 2000 ml autoclavable jar in polycarbonate Makrolon 2858 |
| RE 310211/03 | NEW ASKIR 230/12V BR with 1000 ml Flovac® disposable liner and reusable container |
| RE 310211/04 | NEW ASKIR 230/12V BR with 2000 ml Flovac® disposable liner and reusable container |
|              | Jars in APEC® autoclavable up to 143°C available upon request                     |
|              | Disposable jar 1000 ml available upon request                                     |

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## MAIN APPLICATIONS

Emergency Dept.

Home-Care

Patient Transfer

Room / Ward

Tracheostomy

Veterinary

ASKIR 36BR is a portable suction unit for professional use and with a powerful aspiration of max 36 l/min, conceived to be lightweight for easy transport. Three different options for operation: AC/DC adapter, internal lead or lithium-ion rechargeable battery and 12V make it a versatile suction unit approved for NON-STOP operation without overheating. Provided with visual and acoustic alarm indicating low battery level.

The newly-designed ergonomic handle ensures a comfortable and secure grip.

## ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm
- Conical Connector ø 10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient)
- Internal rechargeable Lead Battery
- Universal switching power adapter and Cable + 12V Car Adapter

## OPTIONS

- Stand on 5 Castors Ø 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Wall Mount Brackets 27736
- Vacuum regulator footswitch /

## TECHNICAL FEATURES

Motor	Oiless and maintenance-free piston pump
Power Feeding	14V --- 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) ____ 12V --- 4A Lead rechargeable battery - Autonomy 60 min. - Recharging Time 4 hours ____ 12V --- 4A Car adapter
ON/OFF Switch	Mechanical switch
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
IP Code	IP21
Max Vacuum (adjustable)	-0.80 bar -80 kPa -600 mmHg
Max free air flow rate	36 l/min
Noise Level	65,5 dBA (with jar) / 68,5 dBA (without jar)
Duty cycle	Non-stop operation (by mains only)
Weight	kg 5.31 (unit packed with all accessories)
Size	cm 35 x 18 x 21
Years of Warranty	2
Shipping carton	3
Place of Manufacturing	Italy

## AVAILABLE CONFIGURATIONS

- RE 410200/03 ASKIR 36BR with 1000 ml autoclavable jar in polycarbonate Makrolon 2858
- RE 410200/09 ASKIR 36BR with 2000 ml autoclavable jar in polycarbonate Makrolon 2858
- RE 410201 ASKIR 36BR with 1000 ml Flovac® disposable liner and reusable container
- RE 410201/01 ASKIR 36BR with 2000 ml Flovac® disposable liner and reusable container
- \_\_\_\_ Jars in APEC® autoclavable up to 143°C available upon request
- \_\_\_\_ Disposable jar 1000 ml available upon request

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## MAIN APPLICATIONS

Emergency Dept.

Home-Care

Patient Transfer

Room / Ward

Tracheostomy

Veterinary



Internal Rechargeable Battery

NEW ASKIR 36 LI-ION is a portable suction unit for professional use and with a powerful aspiration of max 36 l/min, conceived to be lightweight for easy transport. Three different options for operation: AC/DC adapter, internal lead or lithium-ion rechargeable battery and 12V make it a versatile suction unit approved for NON-STOP operation without overheating. Provided with Li-Ion battery, this model is equipped with a pressure sensor placed in the PCB reduces the speed of the motor when no vacuum is detected and therefore no aspiration is taking place, and with PROXIMITY function to switch ON/OFF without touch. The newly-designed ergonomic handle ensures a comfortable and secure grip. The newly-designed ergonomic handle ensures a comfortable and secure grip.

## ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm
- Conical Connector ø10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient)
- Internal rechargeable Lithium-ion Battery
- Universal switching power adapter and Cable + 12V Car Adapter

## OPTIONS

- Stand on 5 Castors Ø 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Wall Mount Brackets 27736
- Vacuum regulator footswitch /

## TECHNICAL FEATURES

Motor	Oilless and maintenance-free piston pump
Power Feeding	14V = 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) 14,8V = 5,2A Li-Ion rechargeable battery - Autonomy 70 min. - Recharging Time 6 hours 12V = 4A Car adapter
ON/OFF Switch	Soft-Touch switch
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
IP Code	IP21
Max Vacuum (adjustable)	-0.80 bar -80 kPa -600 mmHg
Max free air flow rate	36 l/min
Noise Level	60 dBA
Duty cycle	Non-stop operation (by mains only)
Weight	kg 4.31 (unit packed with all accessories)
Size	cm 35 x 18 x 21
Years of Warranty	2
Shipping carton	2
Place of Manufacturing	Italy

## AVAILABLE CONFIGURATIONS

- |              |  |
|--------------|--|
| RE 410205    | NEW ASKIR 36 LI-ION with 1000 ml autoclavable jar in polycarbonate Makrolon 2858 |
| RE 410205/01 | NEW ASKIR 36 LI-ION with 2000 ml autoclavable jar in polycarbonate Makrolon 2858 |
| RE 410205/02 | NEW ASKIR 36 LI-ION with 1000 ml Flovac® disposable liner and reusable container |
| RE 410205/03 | NEW ASKIR 36 LI-ION with 2000 ml Flovac® disposable liner and reusable container |
| RE 410205/04 | NEW ASKIR 36 LI-ION with 1000 ml APEC® jar autoclavable up to 143°C              |
| RE 410205/05 | NEW ASKIR 36 LI-ION with 2000 ml APEC® jar autoclavable up to 143°C              |

Italian  
Medical  
Touch

CE 0123



Wall mount for ambulance



## MAIN APPLICATIONS

Home-Care

Patient Transfer

Room/Ward

Tracheostomy

Emergency

Veterinary

Ambulance Car

Emergency

Rescue

NEW ASKIR 118 is an electric medical device for the nasal, oral and tracheal aspiration of body fluids in children or adults. It is available in two configurations, one specifically designed for use in ambulance car and emergency and the other for home-care and hospital applications. Large LCD for clear reading of vacuum values along with soft keys for vacuum adjustment increase the accuracy of aspiration. Smart operation thanks to the combination of the lightweight lithium-ion battery with the innovating FEEDBACK system that controls and manages the power of aspiration, providing a long autonomy of the battery and quiet noise level during operation. The PROXIMITY function to switch ON or OFF the device without touch prevents and avoids cross-contamination in-between patients. The unit is equipped with a long-life brushless motor eliminating any type of smell and coal residuals. The NEW ASKIR 118 series is available with various options of jar materials, such as the autoclavable polycarbonate (121°C), or the FLOVAC® disposable liners, or the APEC® that can resist up to 143°C. The ambulance wall mount is 10g dynamically tested according to the EN 1789:2007 last edition European Norm.

## DIGITAL VERSION ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm + Conical Connector ø 10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient) + CH20 Canula
- Universal switching power adapter (100-240V 50/60Hz) and Cable
- 12V Car Adapter for RE410151/XX code only
- Wall mount for ambulance (size cm 20x16x16) for RE410150/XX code only
- Protective Carrying Case (included for RE410150/XX / option for RE410151/XX code SP 0207/01)



## DIGITAL VERSION TECHNICAL FEATURES

Brushless Motor	Oiless and maintenance-free piston pump
Power Feeding	14V == 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) 14,8V == 5,2A Li-Ion rechargeable battery - Autonomy 70 min. - Recharging Time 6 hours 12V == 4A Car adapter for RE410151/XX code only Wall mount for ambulance (12V == 4A) for RE410150/XX code only
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
IP Code	IP22
Max Vacuum (adjustable)	-0,75 bar -75 kPa -563 mmHg
Max free air flow rate	26 l/min
Noise level	min. 46,7 dB max. 61,8 dB (depending on power supply)
Duty cycle	Non-stop operation (by mains only)
Weight	kg 4,07 (unit packed with all accessories)
Size	cm 35 x 15 x 19
Years of Warranty	2
Shipping carton	2
Place of Manufacturing	Italy

Italian  
Medical  
Touch  


## DIGITAL VERSION AVAILABLE CONFIGURATIONS

## ASKIR 118

## ASKIR 118 WM

- NEW ASKIR 118 with 1000 ml autoclavable jar in polycarbonate
- NEW ASKIR 118 with 2000 ml autoclavable jar in polycarbonate
- NEW ASKIR 118 with 1000 ml Flovac® disposable liner and reusable container
- NEW ASKIR 118 with 1000 ml autoclavable jar in APEC® available upon request
- NEW ASKIR 118 with 2000 ml autoclavable jar in APEC® available upon request
- Disposable jar 1000 ml available upon request

RE 410151  
RE 410151/01  
RE 410151/02

RE 410150  
RE 410150/01  
RE 410150/02

 0123

## MAIN APPLICATIONS

Home-Care

Patient Transfer

Room/Ward

Tracheostomy

Emergency

Veterinary

Ambulance Car

Emergency

Rescue



Wall mount for ambulance



NEW ASKIR 118 BASIC is an electric medical device for the nasal, oral and tracheal aspiration of body fluids in children or adults. It is available in two configurations, one specifically designed for use in ambulance car and emergency and the other for home-care and hospital applications. The unit is equipped with a long-life oilless piston pump motor providing 36 l/min suction capacity. The NEW ASKIR 118 BASIC series is available with various options of jar materials, such as the autoclavable polycarbonate (121°C), or the FLOVAC® disposable liners, or the APEC® that can resist up to 143°C. The ambulance wall mount is 10g dynamically tested according to the EN 1789:2007 last edition European Norm.

## ANALOGIC VERSION ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm + Conical Connector ø 10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient) + CH20 Canula
- Universal switching power adapter (100-240V 50/60Hz) and Cable
- 12V Car Adapter for RE410171/XX code only
- Wall mount for ambulance (size cm 20x16x16) for RE410170/XX code only
- Protective Carrying Case (included for RE410170/XX / option for RE410171/XX code SP 0207/01)



## ANALOGIC VERSION TECHNICAL FEATURES

Brushless Motor	Oiless and maintenance-free piston pump
Power Feeding	14V == 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) 14,8V == 5,2A Li-Ion rechargeable battery - Autonomy 70 min. - Recharging Time 6 hours 12V == 4A Car adapter for RE410171/XX code only Wall mount for ambulance (12V == 4A) for RE410170/XX code only
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
IP Code	IP22
Max Vacuum (adjustable)	-0,75 bar -75 kPa -563 mmHg
Max free air flow rate	36 l/min
Max free air flow rate	min. 54,7 dB max. 68,2 dB (depending on power supply)
Duty cycle	Non-stop operation (by mains only)
Weight	kg 2.50 (unit packed with all accessories)
Size	cm 35 x 15 x 19
Years of Warranty	2
Shipping carton	2
Place of Manufacturing	Italy

Italian  
Medical  
Touch  
  
MADE IN ITALY

## ANALOGIC VERSION AVAILABLE CONFIGURATIONS

### 118 BASIC      118 BASIC WM

- NEW ASKIR 118 BASIC with 1000 ml autoclavable jar in polycarbonate
- NEW ASKIR 118 BASIC with 2000 ml autoclavable jar in polycarbonate
- NEW ASKIR 118 BASIC with 1000 ml Flovac® disposable liner and reusable container
- NEW ASKIR 118 BASIC with 1000 ml autoclavable jar in APEC® available upon request
- NEW ASKIR 118 BASIC with 2000 ml autoclavable jar in APEC® available upon request
- Disposable jar 1000 ml available upon request

RE 410171  
RE 410171/02  
RE 410171/01

RE 410170  
RE 410170/02  
RE 410170/01

**CE 0123**



## MAIN APPLICATIONS

Emergency Dept.

Endoscopy

Gastroenterology

General Surgery

Obstetrics

Dental Practice

Internal Rechargeable Battery

ASKIR C30 BR is a portable suction unit for the aspiration of body liquids, oral, nasal and tracheal aspiration in adults or children. For professional use and with a powerful aspiration of max 36l/min. ASKIR C30 BR comes with double collection jars and on a stand with five antistatic castors for easy transport. Two different options for operation: AC/DC adapter and rechargeable battery in case of power black out make it a versatile suction unit approved for NON-STOP operation without overheating. Provided with visual and acoustic alarm indicating low battery level, the main unit is also equipped with vacuum-meter (mmHg & kPa) and vacuum regulator.

## ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm
- Conical Connector ø 10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient)
- Universal switching Power Adapter (100-240V/50-60Hz) + Power Cord

## TECHNICAL FEATURES

Motor	Oilless and maintenance-free piston pump
Power Feeding	14V ... 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) — 12V ... 4A Internal rechargeable Pb battery - Autonomy 60 min. - Recharging Time 4 hours
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
Max Vacuum (adjustable)	-0.80 bar -80 kPa -600 mmHg
Max free air flow rate	36 l/min
Noise Level	65,5 dBA (with jar) / 68,5 dBA (without jar)
Duty cycle	Non-stop operation (by mains only)
Weight	kg 12.90 (unit packed with all accessories)
Size	cm 32 x 30 x 99
Years of Warranty	2
Shipping carton	1
Place of Manufacturing	Italy

## AVAILABLE CONFIGURATIONS

- RE 410251 ASKIR C30 BR with 2x2000 ml autoclavable jars in polycarbonate Makrolon 2858
- RE 410251/01 ASKIR C30 BR with 2x2000 ml Flovac® disposable liners and reusable containers  
— Jars in APEC® autoclavable up to 143°C available upon request

Italian Medical Touch  
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## MAIN APPLICATIONS

- Emergency Dept.
- Endoscopy
- Gastroenterology
- General Surgery
- Obstetrics
- Dental Practice



ASKIR C30 is a portable suction unit on castors for the aspiration of body liquids, oral, nasal and tracheal aspiration in adults or children. For professional use and with a powerful aspiration of max 40 l/min, ASKIR C30 comes with double collection jars and on a stand with five castors for easy transport. Main unit equipped with vacuum-meter (mmHg & kPa) and vacuum regulator.

ACCESSORIES INCLUDED	BASIC	FS
Liquid Collection Jar with overflow valve system (different options, see below)	<input type="radio"/>	<input type="radio"/>
Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm	<input type="radio"/>	<input type="radio"/>
Conical Connector ø 10-11-12mm	<input type="radio"/>	<input type="radio"/>
Antibacterial & Hydrophobic Filter (single-patient) + CH20 Canula	<input type="radio"/>	<input type="radio"/>
Power Cord with Schuko plug	<input type="radio"/>	<input type="radio"/>
Footswitch (may be ordered at a later time)	<input type="radio"/>	<input type="radio"/>

## TECHNICAL FEATURES

Motor	Oilless and maintenance-free piston pump
Power Feeding	220-230V / 50-60Hz
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
Max Vacuum (adjustable)	-0.80 bar -80 kPa -600 mmHg
Max free air flow rate	40 l/min
Noise Level	61,5 dBA
Duty cycle	Non-stop operation
Weight	kg 9.06 (unit packed with all accessories)
Size	cm 32 x 30 x 99
Years of Warranty	2
Shipping carton	1
Place of Manufacturing	Italy

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Touch  
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## AVAILABLE CONFIGURATIONS

RE 410250	ASKIR C30 BASIC with 2x2000 ml autoclavable jars in polycarbonate Makrolon 2858
RE 410250/01	ASKIR C30 FS with 2x2000 ml autoclavable jars in polycarbonate Makrolon 2858 + footswitch
RE 410250/10	ASKIR C30 BASIC with 2x2000 ml Flovac® disposable liners and reusable containers — Jars in APEC® autoclavable up to 143°C available upon request

# NEW HOSPIVAC 350



See page 27

## MAIN APPLICATIONS

Emergency Dept.

General Surgery

Gynecology

Liposuction

Neurosurgery

Obstetrics

Operating Theatre

Dental Practice

with new  
**MPR system**  
Multi Purpose Rail

Available in its three configurations, BASIC, FS and FULL, NEW HOSPIVAC 350 has been designed for professional aspiration of bodily fluids, tissues or bones of patients during or after surgery. The state-of-the-art 60 l/min oilless and maintenance-free pump provides high performances with excellent suction capacities and max vacuum built up within a few seconds. A clear dashboard along with a full range of accessories and antistatic castors with brakes make it the ideal device for surgical suction and liposuction. The new MPR (Multi Purpose Rail) system enhances the versatility of the Hospivac series for easy and quick exchange of different accessories, with no need for tools. In fact, being equipped with five connections, all CA-MI accessories can be easily accommodated, such as rings of various diameters to fit jars of different sizes and types (2L, 3L, 5L), cannula holders or a medical stainless steel rail where to hook any other type of accessory by means of clamps. The new safety trap bottle is also a new standard accessory in the Hospivac series.

The new safety trap bottle is also a new standard accessory in the Hospivac series, bringing up to three the overflow protection systems, besides the valve integrated in the jar and the hydrophobic filter, thus providing the Hospivac series with the highest standards of safety.

## AVAILABLE MODELS AND ACCESSORIES INCLUDED

	BASIC	FS	FULL
Liquid Collection Jar with overflow valve system (different options, see below)	2	2	2
Rings to accommodate jars (3 sizes depending on the jar)	2	2	2
Safety Trap Bottle (220ml)	1	1	2
Antibacterial & Hydrophobic Filter (single-patient)	1	1	2
Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm	1	1	2
Conical Connector ø 10-11-12mm	1	1	2
Air suction inlet	1	1	2
Footswitch with intermittent or continuous operation		1	1
Change-Over System from jar to jar by soft-touch keys			1
Power Cord with Schuko plug	1	1	1

## OPTIONAL ACCESSORIES

Rings available in three sizes:

- 2000 ml autoclavable jars
- 2000 ml and 3000 ml Flovac® disposable systems
- 5000 ml autoclavable jars

Cannula holder to store safely suction tube during operation

Footswitch with vacuum regulation function

Silicone Fetal Vacuum Cups

Standard medical stainless steel rail (25x10 or 30x10) and clamps

## TECHNICAL FEATURES

Motor	Oiless and maintenance-free piston pump
Power Feeding	220-230V / 50-60Hz or 110-127V / 60Hz
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
Max Vacuum (adjustable)	-0.90 bar -90 kPa -675 mmHg
Max free air flow rate	60 l/min
Noise Level	51,7 dBA
Duty cycle	Non-stop operation
Weight	20 kg (unit alone without accessories)
Size	cm 46 x 42 x 85
Years of Warranty	2
Shipping carton	1
Place of Manufacturing	Italy

Italian  
Medical  
Touch  
MADE IN ITALY

**CE 0123**

# CONFIGURATIONS

## ON CASTORS SUCTION UNIT

23

**NEW HOSPIVAC 350 - AVAILABLE MODELS and ACCESSORIES INCLUDED**

# NEW HOSPIVAC 400



See page 27

with new  
**MPR system**  
Multi Purpose Rail

## MAIN APPLICATIONS

Emergency Dept.

General Surgery

Gynecology

Liposuction

Neurosurgery

Obstetrics

Operating Theatre

Dental Practice

Available in its three configurations, BASIC, FS and FULL, NEW HOSPIVAC 400 has been designed for professional aspiration of bodily fluids, tissues or bones of patients during or after surgery. The state-of-the-art 90 l/min oilless and maintenance-free pump provides high performances with excellent suction capacities and max vacuum built up within a few seconds. A clear dashboard along with a full range of accessories and antistatic castors with brakes make it the ideal device for surgical suction and liposuction. The new MPR (Multi Purpose Rail) system enhances the versatility of the Hospivac series for easy and quick exchange of different accessories, with no need for tools. In fact, being equipped with five connections, all CA-MI accessories can be easily accommodated, such as rings of various diameters to fit jars of different sizes and types (2L, 3L, 5L), cannula holders or a medical stainless steel rail where to hook any other type of accessory by means of clamps. The new safety trap bottle is also a new standard accessory in the Hospivac series. The new safety trap bottle is also a new standard accessory in the Hospivac series, bringing up to three the overflow protection systems, besides the valve integrated in the jar and the hydrophobic filter, thus providing the Hospivac series with the highest standards of safety.

## AVAILABLE MODELS AND ACCESSORIES INCLUDED

	BASIC	FS	FULL
Liquid Collection Jar with overflow valve system (different options, see below)	2	2	2
Rings to accommodate jars (3 sizes depending on the jar)	2	2	2
Safety Trap Bottle (220ml)	1	1	2
Antibacterial & Hydrophobic Filter (single-patient)	1	1	2
Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm	1	1	2
Conical Connector ø 10-11-12mm	1	1	2
Air suction inlet	1	1	2
Footswitch with intermittent or continuous operation		1	1
Change-Over System from jar to jar by soft-touch keys			1
Power Cord with Schuko plug	1	1	1

## OPTIONAL ACCESSORIES

Rings available in three sizes:

- 2000 ml autoclavable jars
- 2000 ml and 3000 ml Flovac® disposable systems
- 5000 ml autoclavable jars

Cannula holder to store safely suction tube during operation

Footswitch with vacuum regulation function

Silicone Fetal Vacuum Cups

Standard medical stainless steel rail (25x10 or 30x10) and clamps

## TECHNICAL FEATURES

Motor	Oiless and maintenance-free piston pump
Power Feeding	220-230V / 50-60Hz
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
Max Vacuum (adjustable)	-0.90 bar -90 kPa -675 mmHg
Max free air flow rate	90 l/min
Noise Level	46,4 dBA
Duty cycle	Non-stop operation
Weight	21 kg (unit alone without accessories)
Size	cm 46 x 42 x 85
Years of Warranty	2
Shipping carton	1
Place of Manufacturing	Italy

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Italian  
Medical  
Touch  
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# CONFIGURATIONS

## ON CASTORS SUCTION UNIT

25

**NEW HOSPIVAC 400 - AVAILABLE MODELS and ACCESSORIES INCLUDED**



For environments where a battery back up is required, NEW HOSPIVAC BR is the unique solution for surgeons and professionals, providing high performances along with the internal rechargeable battery capable of operating the unit for more than 4 hours in absence of mains electricity. With the Energy-Saving function, a pressure sensor placed in the PCB reduces the speed of the motor when the unit is ON and no aspiration is taking place. This extends the autonomy of the battery and reduces the noise level. Designed with fast connectors, the new Multi Purpose Rail enables the operator to easy interchange of accessories, such as rings of various diameters to accommodate jars of any sizes and types, safety trap bottles, cannula holders or a standard medical rail where to hook any accessory by means of clamps.

#### STANDARD ACCESSORIES INCLUDED

- 2 x Liquid Collection Jar with overflow valve system (different options, see below)
- 2 Sets of Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm
- Conical Connector ø 10-11-12mm
- 2 x Antibacterial & Hydrophobic Filter (single-patient)
- Footswitch
- Power Cord with Schuko plug

#### FUNCTIONS

- Electronic Change-Over System from jar to jar
- Energy-saving
- Internal rechargeable battery and charger
- Footswitch with intermittent or continuous use

#### OPTIONS

- Vacuum Regulator Footswitch
- Cannula Container
- Silicone Fetal Vacuum Cups

#### TECHNICAL FEATURES

Motor	Oiless and maintenance-free piston pump
Power Feeding	220-230V / 50-60Hz with internal AC/DC Power Adapter
	Internal Rechargeable Battery (Lead-type 12V == 20A)
	Battery Autonomy 250 min. - Recharging Time 8 hours
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW
Max Vacuum (adjustable)	-0.85 bar -85 kPa -637,5 mmHg
Max free air flow rate	50 l/min
Absorbed Power	90VA
Duty cycle	Non-stop operation (by mains only)
Weight	kg 20
Size	cm 46 x 42 x 85
Years of Warranty	2
Shipping carton	1
Place of Manufacturing	Italy

#### AVAILABLE CONFIGURATIONS

- RE 410400 NEW HOSPIVAC BR with 2x2000 ml autoclavable jar in polycarbonate Makrolon 2858
- RE 410400/03 NEW HOSPIVAC BR with 2x5000 ml autoclavable jar in polycarbonate Makrolon 2858
- RE 410400/01 NEW HOSPIVAC BR with 2x2000 ml Flovac® disposable liner and reusable container
- RE 410400/02 NEW HOSPIVAC BR with 2x5000 ml Flovac® disposable liner and reusable container
- Jars in APEC® autoclavable up to 143°C available upon request

Italian  
Medical  
Touch  
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Thanks to the new MPR System, HOSPIVAC series offer a great versatility to users when it comes to change type of jars for liquid collection, regardless in which configuration the suction unit has been supplied in origin. The table below shows the components of the MPR System.

## NEW HOSPIVAC SERIES JARS INTERCHANGE

COMPONENT	DESCRIPTION	REF.
	MPR - Multipurpose Rail with 5 locking slots. Supplied with each Hospivac.	31255
	CAPS to close the locking slots when not in use	31253
	Safety trap bottle (220ml)	***
	RING for 2L autoclavable jar RING for 5L autoclavable jar RING for 2L or 3L Flovac® RING for catheter holder	31254 31254/01 31254/02 31254/03
	Stainless steel standard medical rail, 25x10 Stainless steel standard medical rail, 30x10	*** 23613
	Right HOOK for stainless steel rail Left HOOK for stainless steel rail	31256 31257

## ASKIR C30 SERIES JARS INTERCHANGE

EXISTING JARS	TO SWITCH TO	TO SWITCH TO	TO SWITCH TO	TO SWITCH TO
	2000 ml autoclavable jars	4000 ml/5000 ml autoclavable jars	2000 ml disposable liners	3000 ml disposable liners
2000 ml autoclavable jars		DO NOT FIT	Ring adapters SP 0078/04 to be removed from existing jar holder	Ring adapters SP 0078/04 to be removed from existing jar holder
2000 ml disposable liners	Ring adapters SP 0078/04 to be inserted into existing jar holder	DO NOT FIT		DO NOT FIT

NEW ASKIR 30 12V  
MAIN APPLICATIONS

Ambulance Car

Emergency

NEW EMIVAC  
MAIN APPLICATIONS

Ambulance Car

Emergency Dept.

Field Hospital

Obstetrics

**NEW ASKIR 30 12V** is a desk-type electric suction unit for the aspiration of body liquids, oral, nasal and tracheal aspiration in adults or children. Designed for use in ambulance car. Equipped with aspiration regulator and vacuum indicator located on the front panel. Operates by 12V DC only!

**NEW EMIVAC** is a portable foot-operated suction unit suitable for emergency aspiration. No lubrication or battery change are needed and it's always ready for use. It can be used for soft aspirations such as tracheal suction and on small children and up to 300 mmHg. Provided with a polycarbonate 400 ml autoclavable jar with overflow valve. Foot-operated only!

## ACCESSORIES INCLUDED

**NEW ASKIR 30 12V**

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector ø 8-9-10 mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- 12V Car Adapter

**NEW EMIVAC**

- Liquid Collection Jar with overflow valve system
- Silicone Tubes ø 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector ø 8-9-10 mm
- Antibacterial & Hydrophobic Filter (single-patient)

## TECHNICAL FEATURES

## NEW ASKIR 30 12V

## NEW EMIVAC

Motor	Oiless and maintenance-free piston pump	/
Power Feeding	12V ...	Manual (foot-operated)
ISO 10079-1 Classification	HIGH VACUUM / HIGH FLOW	MEDIUM VACUUM - 22l/min
Max Vacuum (adjustable)	-0.75 bar -75 kPa -563 mmHg	-0.40 bar -40 kPa -300 mmHg
Max free air flow rate	25 l/min	22 l/min
Noise Level	61,5 dBA	/
Duty cycle	Ton: 20min - Toff: 40min	Foot-operated
Weight	kg 2.50	kg 1.15
Size	cm 35 x 21 x 18	cm 22 x 16 x 8
Years of Warranty	2	2
Shipping carton	4	6
Place of Manufacturing	Italy	Italy

Italian  
Medical  
Touch  
MADE IN ITALY

## AVAILABLE CONFIGURATIONS

RE 310150/02	NEW ASKIR 30 12V with 1000 ml autoclavable jar in polycarbonate Makrolon 2858
RE 310150/05	NEW ASKIR 30 12V with 2000 ml autoclavable jar in polycarbonate Makrolon 2858
	— Jars in APEC® autoclavable up to 143°C available upon request
RE 310300	NEW EMIVAC with 400 ml autoclavable jar in polycarbonate

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REUSABLE JARS are equipped with screw cover with handle for easy grip, autoclavable silicone o-ring for tight seal, overflow valve system integrated in the cover, clear graduated scale in ml with 100ml or 200ml intervals, CA-MI branding. Suitable for central vacuum systems and CA-MI suction units. Available in two types of polycarbonate, Makrolon® and Apec®.

### REUSABLE JARS in MAKROLON® – FOR STEAM STERILIZATION UP TO 121 °C



	Jar with: cover overflow valve o-ring	Jar	Cover with: overflow valve o-ring	O-ring	Suitable for:
400 ml	RE 210301	RE 210305	RE 210302	RE 210304	EMIVAC
1000 ml	RE 210001/02	RE 210003	RE 210352/01	RE 210354	ASPIRET ASKIR series (all except C30 series) Central Vacuum Plants
2000 ml	RE 210351/01	RE 210353	RE 210352/01	RE 210354	ASPIRET - ASKIR Series (all except TWIN) HOSPIVAC Series Central Vacuum Plants
4000 ml	RE 210006	RE 210007	RE 210008	RE 210306	HOSPIVAC Series Vuoto centralizzato
5000 ml	RE 210010	RE 210013	RE 210012	RE 210307	HOSPIVAC Series Central Vacuum Plants

### REUSABLE JARS in APEC® 1745 – FOR STEAM STERILIZATION UP TO 143 °C



	Jar with: cover overflow valve o-ring	Jar	Cover with: overflow valve o-ring	O-ring	Suitable for:
1000 ml	RE 210009	RE 210002	RE 210352/02	RE 210354	ASPIRET ASKIR series (all except C30 series) Central Vacuum Plants
2000 ml	RE 210351/05	RE 210353/01	RE 210352/02	RE 210354	ASPIRET - ASKIR Series (all except TWIN) HOSPIVAC Series Central Vacuum Plants
5000 ml	RE 210010/01	RE 210013/01	RE 210012/01	RE 210307	HOSPIVAC Series Vuoto centralizzato

FLOVAC® DISPOSABLE LINERS equipped with polyethylene disposable liner, hydrophobic filter, antibacterial filter, overflow system, reusable container with clear graduated scale in ml with 50ml intervals. The gelling kit is a powder inside liners with germicidal function turning the sucked liquid into a semisolid mass, preventing cross-contamination risks of staff in charge for hygiene and waste disposal.

### FLOVAC® DISPOSABLE LINERS & CONTAINERS



	Liner with: cover filter	Liner with: cover filter gelling kit	Reusable Container	Suitable for
1000 ml	31848	31858	31843**	ASPIRET ASKIR series (all except C30 series)
1000 ml	31845	31854	31840	Central Vacuum Plants
2000 ml	31846	31855	31841	ASPIRET - ASKIR Series (all except TWIN) HOSPIVAC Series Central Vacuum Plants
3000 ml	31847	31856	31842	HOSPIVAC Series Central Vacuum Plants

\*\* Requires additional round spacer (SP.0220) when ordered for ASKIR Series

Hermetically welded **RIGID LID**

**Flovac® Disposable Liner**

1000 ml / 2000 ml / 3000 ml

**PATIENT PORT** for connection  
of the tube going to the patient

Plug to close the **PATIENT**  
port before disposal

**VACUUM PORT** for connection  
to the vacuum central plant  
or to CA-MI suction unit

**TANDEM PORT** for connection  
of several liners in cascade

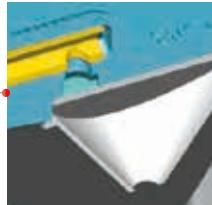
Plug to close the **TANDEM** port  
when only one container is in use  
and/or before final disposal

**Flovac® Reusable Container**

1000 ml / 2000 ml / 3000 ml

**OVERFLOW VALVE**

FLOVAC® disposable containers are equipped  
with a GORE™ Medical Membrane hydrophobic  
filter with antibacterial, anti-foaming and  
electrosurgical smoke protection.



The disposable soft LINER is made in polyethylene and is hermetically welded to a rigid lid inside which the hydrophobic, antireflux and antibacterial filter is placed. This filter also operates as overflow valve system deactivating suction whenever maximum fill capacity is reached. The liner has to be placed in its dedicated reusable and autoclavable FLOVAC® rigid CONTAINER in polycarbonate. FLOVAC® systems replace therefore the use of autoclavable jars, decreasing the costs for cleaning and sterilization. A full line of accessories make FLOVAC® line the ideal partner for collecting liquids and fluids.

### FLOVAC® LINER TECHNICAL FEATURES

Lid material	HDPE (high density polyethylene)
"VACUUM" port	Conic connector, female
"PATIENT" port	Ø 14.0 ÷ 15.5 mm (Ø 8.0 ÷ 9.2 mm with elbow connector)
"TANDEM" port	Ø 8.0 ÷ 9.2 mm
Maximum suction value	-750 mbar (-570 mm Hg)
Maximum graduation interval	50 ml
Patient hose size	Inner Ø ≥ 6 mm L=2.5 m max
Vacuum hose size	Inner Ø ≥ 6 mm L=1.8 m max

### FLOVAC® FILTER TECHNICAL FEATURES

Filtration efficiency (typical)	>99.99995% with particle size of 0.1µ
Membrane	100% expanded PTFE GORE™ Medical Membrane
Prefilter	micro fiberglass
Support	non-woven PE/PES

Support ring for FLOVAC® container (all sizes) with 25x5 slide	970010210	
Support ring for FLOVAC® container (all sizes) with 30x5 slide	970010220	1
Support ring for FLOVAC® container (all sizes) with 41x4 slide (also suitable for BAXTER wall slide)	970010214	
Support ring for FLOVAC® container with 45x5 slide (also suitable for ABBOT wall slide)	970010215	
Support ring for autoclavable jars (1000 and 2000 ml) with 25x5 slide	920200422	
ON-OFF tap for mounting on FLOVAC® container support ring	000010057	2
ON-OFF tap with control vacuum gauge for mounting on FLOVAC® container support ring	000010056	
Plastic wall slide 25x5	920200004	
Plastic wall slide 30x5	920200029	3
Plastic wall slide 45x5	920200477	
Metal clamp (chrome-plated) for 30x10 rail with slide 25x5	000230000	4
Plastic clamp (technopolymer) for 30x10 rail with slide 25x5	000230500	
4-place trolley for FLOVAC® container with support ring, ON-OFF tap and control vacuum gauge	000260950	
4-place trolley for FLOVAC® container with support ring, ON-OFF tap and control vacuum regulator	000260955	
4-place trolley for FLOVAC® with support ring	000260953	5
2-place trolley for FLOVAC® container with support ring, ON-OFF tap and control vacuum gauge	000260951	
2-place trolley for FLOVAC® container with support ring, ON-OFF tap and control vacuum regulator	000260956	
2-place trolley for FLOVAC® with support ring	000260954	
Tandem tube Ø 8x11 L=0.38 m for cascade connection	970010120	6
Disposable vacuum breaker	000320000	7
Disposable vacuum breaker with 1.8m hose	000320010	8
Specimen container	000036100	9



## SPARE ACCESSORIES

	ASPIRET ASKIR 20 ASKIR 30 ASKIR TWIN ASKIR 230-12V BR ASKIR 30 12V	ASKIR 36 BR ASKIR 36 LHON ASKIR 118 ASKIR 118 BASIC	EMIVAC	ASKIR C30 ASKIR C30 BR	HOSPIVAC 350 HOSPIVAC 400 HOSPIVAC BR
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## SET of silicone TUBES, FILTERS and CONICAL CONNECTORS

	Tube Ø 6 x 10 mm Conical connector	RE 210355		RE 210355/01	
	Tube Ø 6 x 10 mm Conical connector Antibacterial filter	SP 0036		SP 0043	
	Tube Ø 8 x 14 mm Conical connector		RE 210355/03		RE 210355/03 ("old" jar holder) *** (new MPR system)
	Tube Ø 8 x 14 mm Conical connector Antibacterial filter		SP 0036/02	SP 0036/02	"old" jar holder SP 0032/01 (for 350 and BR) SP 0032 (for Hospivac 400) new MPR system *** (for Hospivac 350) *** (for Hospivac 400)
	FLOVAC® liners Tube Ø 6 x 10 mm Conical connector	SP 0158/01			
	FLOVAC® liners Tube Ø 8 x 14 mm Conical connector		SP 0160/01	SP 0160/01	SP 0160/01
	Roll of silicone tube Ø 6x10 mm	Length 1m = SP 0045/02 - Length 10m = SP 0045/03 - Length 50m = SP 0045/04			
	Roll of silicone tube Ø 8X14 mm	Length 1m = SP 0045/05 - Length 10m = SP 0045/06 - Length 50m = SP 0045/07			

## MALE CONNECTORS

	Ø 8-9-10 mm (pack of 5's)	SP 0223	SP 0223		SP 0223	SP 0223
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## CONICAL CONNECTORS

	Ø 8-9-10 mm	RE 210410		RE 210410		
	Ø 10-11-12 mm		RE 210420		RE 210420	RE 210420

## FILTERS (Antibacterial and Hydrophobic)

	Ø 64 with 8 mm connector	SP 0046		SP 0046		
	Ø 64 with 11mm connector		SP 0121		SP 0121	SP 0121 (350 and BR only)
	Ø 90 with 11mm connector					SP 0047 (for 400 only)

## ASPIRATION PROBES

	CH20	RE 210400 (10 pcs)	RE 210400 (10 pcs)		RE 210400 (10 pcs)	
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## CATHETER CONTAINER

	Tube of polycarbonate Ø 54 mm by 400 mm length. Fully autoclavable (121°C- 15 min)					000032
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## SILICONE FETAL VACUUM CUPS

	Length 210 mm, Ø 50 mm, size XS				VC-95100	VC-95100
	Length 210 mm, Ø 60 mm, size S				VC-95200	VC-95200
	Length 210 mm, Ø 70 mm, size M				VC-95300	VC-95300

ASPIRET				
ASKIR 20				
ASKIR 30	ASKIR 36 BR			
ASKIR TWIN	ASKIR 36 LI-ION			
ASKIR 230-12V BR	ASKIR 118			
ASKIR 30 12V	ASKIR 118 BASIC	EMIVAC	ASKIR C30	HOSPIVAC 350
			ASKIR C30 BR	HOSPIVAC 400
				HOSPIVAC BR

## VACUUM GAUGE in mmHg and Kpa

Ø 40 mm with graduated scale	SP 0018 (for Aspiret)				
Ø 50 mm with graduated scale	SP 0017 (for Askir)	SP 0017 (except ASKIR 118)		SP 0017	
Ø 63 mm with graduated scale					SP 0073

## ELECTRONIC BOARD

for ASKIR 36 LI-ION		SP 0272			
for ASKIR 230/12V BR, ASKIR 36BR	SP 0205	SP 0205			
for ASKIR C30 - FS version				SP 0107	
for ASKIR C30 BR				SP 0205/01	
for HOSPIVAC - BASIC version					SP 0107/02
for HOSPIVAC - version FS and FULL					SP 0107/03
for HOSPIVAC BR					SP 0271

## ON/OFF SWITCH

Pack of 2's for ASPIRET, ASKIR 20 and 30	SP 0009/04				
Pack of 2's for ASKIR 230/12V BR, 36 BR, C30 BR	SP 0009/08	SP 0009/08		SP 0009/08	
Pack of 1's for ASKIR C30, HOSPIVAC - BASIC				SP 0009/07	SP 0009/07

## BATTERY PACK

Lead type for ASKIR 230/12V BR, 36 BR, C30 BR	SP 0012/01	SP 0012/01		SP 0012/01	
Li-ion type for ASKIR 36 LI-ION, 118, 118 BASIC		SP 0012/03			
Lead type for HOSPIVAC BR					SP 0012/04

## WALL MOUNT

	For ambulance, with recharge and operation function (12V 4A)		ASU 118 (118-WM only)		
	Wall mount for support	27736 (except Aspiret and Twin)	27736 (36 models only)		

## FOOT-SWITCH CONTROL

	Footswitch intermittent or continuous operation			SP 0068/01 (FS version)	SP 0068/01 (FS and FULL)
	Footswitch for vacuum regulation	***		***	***

## STAND on CASTORS

	Stand on 5 castors with brakes (antistatic upon request) Base on 4 antistatic castors only for HOSPIVAC	27731 (for ASPIRET) 27730 (for ASKIR serie)	27730 (36BR and LI-ION)	SP 0213	SP 0113/01 (BASIC version) SP 0113/03 (FS and FULL)
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## POWER ADAPTER

Car adapter 12V for ASKIR 30 12V	SP 0021/01				
Car adapter 12V	SP 0007/02 (for 230 12V BR)	SP 0007/02 (not for 118 WM)			
Power adapter AC/DC	SP 0208/01 (for 230 12V BR)	SP 0208/01		SP 0208/01 (for C30 BR)	
Power cord	SP 0020/03 (for 230 12V BR)	SP 0020/03		SP 0020/03 (for C30 BR)	

## CARRY BAG

	for any model with 1000 ml jar	SP 0207/02	SP 0207/02		
	for any model with 2000 ml jar	SP 0207	SP 0207		
	for ASKIR 118		SP 0207/01		

# INTRODUCTION

Aerosolotherapy is the administration of a treatment in the form of an aerosol into the respiratory tract for therapeutic purposes. When medications are not available in aerosol form such as an MDI's, but only in solutions, then nebulizers can turn the liquid into suspended particles that carry the active principle to the patient by inhalation.

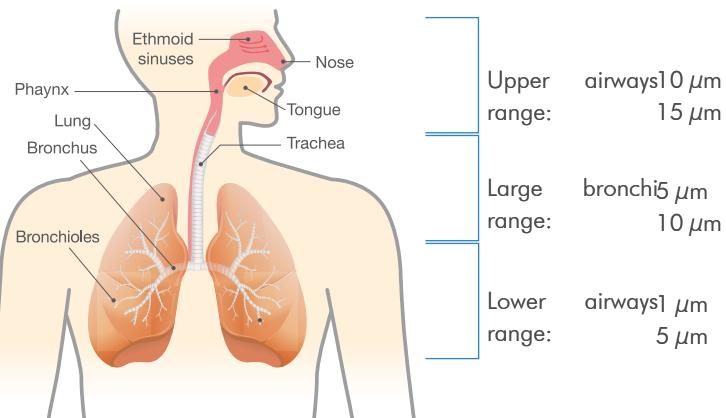
CA-MI pneumatic aerosol delivery systems are composed by a compressor generating pressurized air and a jet nebulizer where the solution is turned into aerosol. Noiseless vibrating mesh and ultrasonic technologies are also available.

Different types of treatments can be generated, according to a few parameters, namely:

- the mean particle size: MMD or MMAD expressed in micron ( $\mu\text{m}$ )
- the speed of nebulization: NEB-RATE expressed in ml/min
- the amount of RESPIRABLE FRACTION: quantity of particles with diameter  $<5\mu\text{m}$
- the amount of medication that cannot be nebulized: RESIDUAL VOLUME
- the amount of medication wasted during exhalation phase: WASTED VOLUME

The MMAD is particularly important, because depending on diameter of the particles, different areas of the respiratory tract are reached and thus different pathologies or disorders can be treated.

See a simplified view here below:



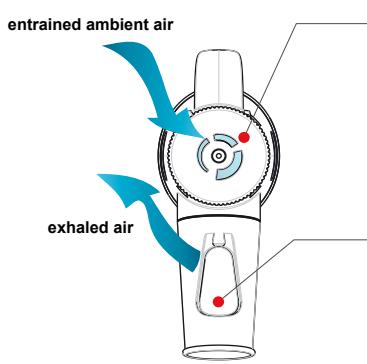
CA-MI manufactures nebulizers with different technologies (compressors, vibrating mesh, ultrasonic) indicated in the treatment of any respiratory disorder, from administering physiological/hypertonic solutions as mucus thinners (mucolytics), to treating seasonal pathologies such as cold and cough, to acute and chronic pathologies of the upper and lower airways.





### HI-4 Four Speed Jet Nebulizer with Valve System

HI-4 is a reusable and highly efficient nebulizer, compatible with the great majority of compressors available in the market and with hospital central systems of pressurized air. Efficient with any kind of medication and with max capacity of 8 ml, HI-4 nebulizer has been designed with valve system for a greater therapeutical effect of the nebulization. In fact, the inhalation valve (A) opens only during inhalation phase, entraining additional ambient air into the chamber to create a second "Venturi effect" and increasing dramatically the speed and quantity of medication delivered to the patient. At the same time, the exhalation valve (B) remains closed decreasing the volume of medication wasted in the ambient, and opens only during the exhalation phase to let the medication out. On top of the HI-4, a speed selector (C) can be set in 4 different positions to increase speed of nebulization up to 100%, while maintaining an optimal MMAD. HI-4 passed compatibility test with the most prescribed active principles, such as Ambroxol, Salbutamol, Beclometasone Dipropionate, Acetylcysteine and Budesonide.



(A) Inhalation Valve

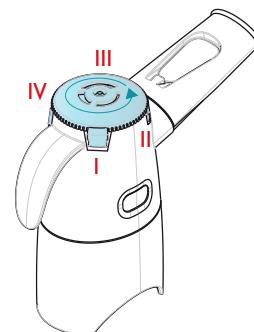
Three vents on top are mechanically opened by patient inhalation force, entraining ambient air. The airflow generated by the compressor along with the airstream entrained by patient enhance the nebulization activity inside the chamber, thus increasing the volume of aerosol delivered to the patient.

(B) Exhalation Valve

While remaining closed during inhalation to prevent aerosol to be wasted in the air, the exhalation valve opens when patient starts exhaling, directing the exhaled air in the ambient and preventing mixing with medication in the chamber.

(C) Speed Selector

By rotating and stopping the speed selector on one of the 4 available positions (I-II-III-IV), speed of nebulization can be doubled.



Pos.	Particle size	Drug delivery speed
I	3,32 µm	0,40 ml/min
II	4,07 µm	0,60 ml/min
III	4,23 µm	0,70 ml/min
VI	4,18 µm	0,80 ml/min

### CODE

RE 300350

HI-4 Four Speed Jet Nebulizer with Valve System

CA-MI nebulizers are also available in pre-packed sets for hospital use in different configurations

CE 0123



### HI-FLO Small Volume Jet Nebulizer

HI-FLO is a reusable and highly efficient nebulizer, compatible with the great majority of compressors available in the market and with hospital central systems of pressurized air. Efficient with any kind of medication and with a capacity of max 6ml, HI-FLO nebulizer is particularly indicated due to its minimized residual volume. In fact, the material of the inner walls of HI-FLO and the reduced size let medication drops slide downwards to be nebulized over and over again, until a marginal 2% of the initial fill remains trapped inside. HI-FLO passed compatibility test with the most prescribed active principles, such as Ambroxol, Salbutamol, Beclometasone Dipropionate, Acetylcysteine and Budesonide.

**Granulometry Analysis of HI-FLO in accordance with EN 13544-1**

Operating Flow (l/min)	Fill Volume (ml)	MMAD(μm) Mass Median Aerodynamic Diameter	GSD Geometric Standard Deviation
4.0	2.5ml 2,5% NaF	4.25	2.67
5.0	2.5ml 2,5% NaF	2.44	2.87
5.2	2.5ml 2,5% NaF	3.25	3.45

**Output Analysis of HI-FLO in accordance with EN 13544-1 with Respiratory**

Operating Flow (l/min)	Fill Volume (ml)	Output (μl)	Output Rate (μl/min)
4.0	2.5ml 2,5% NaF	313	128
5.0	2.5ml 2,5% NaF	304.7	56.7
5.2	2.5ml 2,5% NaF	257	51.0

### CODE

- RE 300300 \_\_\_\_\_ HI-FLO SET in Nylon Bag (HI-FLO Nebulizer, Adult and Child Mask, Mouthpiece, Nosepiece, Air Tube)  
 RE 300300/09 \_\_\_\_\_ HI-FLO SET in Display Box (HI-FLO Nebulizer, Adult and Child Mask, Mouthpiece, Nosepiece, Air Tube)  
 SP 0165 \_\_\_\_\_ HI-FLO Nebulizer Chamber (only)  
 SP 0165/01 \_\_\_\_\_ HI-FLO Nozzle (only)



NASO-FREE is a large-size particle nebulizer for nasal irrigation that can be used with the most common compressor nebulizers. Ergonomically shaped and easy to handle, it's made by hypoallergenic and biocompatible materials and it's suitable for the whole family with adult and child nasal adaptors. Designed to wash nasal cavities with saline solutions or medications for aerosoltherapy, it helps flushing out excess mucus in both adults and children. The particles generated have the appropriate size and diameter to reach the upper airways efficiently.

## STANDARD CONSUMABLES INCLUDED

- Adult adaptor
- Child adaptor

## TECHNICAL FEATURES

Max capacity for each administration	10 ml
Min. operating pressure	20 kPa (0.20 bar)
Max recommended operating pressure	60 kPa (0.60 bar)
Particle size	40 µm to 70 µm
Weight	50 g approximately
Size	14 x 6 x 4.8 cm
Years of Warranty	2
Shipping carton	4's
Place of manufacturing	Italy

Italian  
Medical  
Touch  
  
MADE IN ITALY

## CODE

DN 100100 — NASO-FREE

 0123

INDICATIONS

Home Care



MINIMAX is a device for aerosoltherapy. Designed for home-care with compact size and carrying bag for easy transport of unit, accessories and medications.

#### STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

- HI-FLO Jet Nebulizer	SP 0165	- Air Tube	SP 0092/01
- Adult Masks with elastic strings	SP 0089/01	- Air Filter	SP 0230
- Child Masks with elastic strings	SP 0090/01	- Carrying Bag (MIMINAX model only)	SP 0229
- Mouthpiece	SP 0166	- Detachable power cord	SP 0021/08
- Nosepiece (non invasive)	SP 0188		

#### TECHNICAL FEATURES

Compressor	Oilless and maintenance-free piston pump
Power Feeding	230V-50Hz - other configurations on request
Power consumption	170 VA
Max Pressure	2.5 bar    36 psi    250 kPa
Operating Pressure	1.1 bar    16 psi    110 kPa
Max Air Flow	14 l/min
Operating Air Flow	5 l/min
Neb-rate with 4 ml solution	0,35 ml/min
Mass Median Aerodinamic Diameter	2,44 µm (MMAD) according to EN-13544-1
Respirable Fraction (< 5µm)	> 80%
Duty Cycle	Ton: 20min / Toff: 40min
Noise Level (EN 13544-1 Standard)	Approx. 60 dBA
Weight	1,45 kg
Size (Main Unit)	cm 13 x 15 x 9
Years of Warranty	3
Shipping carton	6
Place of Manufacturing	Italy



Italian  
Medical  
Touch  
MADE IN ITALY

#### CODE

RE 300250	MINIMAX
RE 300250/05	MINIMAX 2 without carrying bag

CE 0123

## INDICATIONS

Home Care



MIKO is a piston compressor nebulizer for aerosoltherapy. Designed for home-care with compact size and carrying bag for easy transport of unit, accessories and medications.

## STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

- HI-FLO Jet Nebulizer	SP 0165	- Air Tube	SP 0092/01
- Adult Masks with elastic strings	SP 0089/01	- Air Filter	SP 0142
- Child Masks with elastic strings	SP 0090/01	- Carrying Bag (MIKO model only)	SP 0175
- Mouthpiece	SP 0166		
- Nosepiece (non invasive)	SP 0188		

## TECHNICAL FEATURES

Compressor	Oilless and maintenance-free piston pump
Power Feeding	230V-50Hz or 220V-50/60Hz
Power consumption	170 VA
Max Pressure	2.2 bar    32 psi    220 kPa
Operating Pressure	0,95 bar    13.8 psi    95 kPa
Max Air Flow	13 l/min
Operating Air Flow	4.8 l/min
Neb-rate with 4 ml solution	0,35 ml/min
Mass Median Aerodinamic Diameter	2,44 µm (MMAD) according to EN-13544-1
Respirable Fraction (< 5µm)	> 80%
Duty Cycle	Non-stop operation
Noise Level (EN 13544-1 Standard)	Approx. 56 dBA
Weight	1,45 kg
Size (Main Unit)	cm 14 x 17 x 11
Years of Warranty	3
Shipping carton	6
Place of Manufacturing	Italy



Italian  
Medical  
Touch  
MADE IN ITALY

IP21

## CODE

RE 300600/03	MIKO- with carrying bag
RE 300600/12	MIKO BASIC - without carrying bag

CE 0123

INDICATIONS

Home Care



EOLO is a device for aerosolotherapy. Designed for home-care with compact size and carrying bag for easy transport of unit, accessories and medications.

#### STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

- HI-FLO Jet Nebulizer	SP 0165	- Air Tube	SP 0092/01
- Adult Masks with elastic strings	SP 0089/01	- Air Filter	SP 0142
- Child Masks with elastic strings	SP 0090/01		
- Mouthpiece	SP 0166		
- Nosepiece (non invasive)	SP 0188		

#### TECHNICAL FEATURES

Compressor	Oilless and maintenance-free piston pump
Power Feeding	230V / 50Hz or 220V / 50-60Hz
Power consumption	170 VA
Max Pressure	2.5 bar    36 psi    250 kPa
Operating Pressure	1.1 bar    16 psi    110 kPa
Max Air Flow	14 l/min
Operating Air Flow	5.1 l/min
Neb-rate with 4 ml solution	0,40 ml/min
Mass Median Aerodinamic Diameter	2,44 µm (MMAD) according to EN-13544-1
Respirable Fraction (< 5µm)	> 80%
Duty Cycle	Non-stop operation
Noise Level (EN 13544-1 Standard)	Approx. 55 dBA
Weight	1,65 kg
Size (Main Unit)	cm 15 x 22 x 12
Years of Warranty	2
Shipping carton	6
Place of Manufacturing	Italy

Italian  
Medical  
Touch  
MADE IN ITALY

IP21

#### CODE

RE 300400 EOLO

CE 0123

## INDICATIONS

Home Care



COMPACT is a piston compressor nebulizer for aerosoltherapy. Indicated for home-care and intensive use, its design includes a convenient handle for easy transport of unit and a large compartment for storage of accessories and medications.

## STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

- HI-FLO Jet Nebulizer	SP 0165	- Air Tube	SP 0092/01
- Adult Masks with elastic strings	SP 0089/01	- Air Filter	SP 0142/02
- Child Masks with elastic strings	SP 0090/01		
- Mouthpiece	SP 0166		
- Nosepiece (non invasive)	SP 0188		

## TECHNICAL FEATURES

Compressor	Oiless and maintenance - free piston pump
Power Feeding	230V / 50Hz
Power consumption	170 VA
Max Pressure	3.0 bar    43.5 psi    300 kPa
Operating Pressure	1.3 bar    18.9 psi    130 kPa
Max Air Flow	16 l/min
Operating Air Flow	5.2 l/min
Neb-rate with 4 ml solution	0,5 ml/min
Mass Median Aerodinamic Diameter	3,25 µm (MMAD) according to EN-13544-1
Respirable Fraction (< 5µm)	> 70%
Duty Cycle	Non-stop operation
Noise Level (EN 13544-1 Standard)	Approx. 60 dBA
Weight	1,60 kg
Size (Main Unit)	cm 14 x 23 x 12
Years of Warranty	4
Shipping carton	6
Place of Manufacturing	Italy



Italian  
Medical  
Touch  
MADE IN ITALY

IP21

## CODE

RE 300200 COMPACT

CE 0123

## LITE and MOBILE



## INDICATIONS

Mobility Use

Emergency

Ambulance

Pediatric Use

MOBILE and LITE are miniaturized micropiston compressor systems for aerosol drug delivery featuring integrated "VRS" (Vibration Reduction System), combining versatility with reduced noise level and high performances. Multipurpose devices for home-care, especially with children, for ambulance and emergency- The reduced size and weight make it the ideal compressor nebulizer whenever portability is required. MOBILE is also pre-set for operation with 8x commercial rechargeable batteries, using the "RCC" (Rapid Charge Control) for electronic management of rapid battery charge, and with battery charger integrated in the unit.

STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering		LITE	MOBILE
- HI-FLO Jet Nebulizer	SP 0165	- Air Filter	○ ○ SP 0182
- Adult Masks with elastic strings	SP 0089/01	- Carrying Bag	○ ○ SP 0177
- Child Masks with elastic strings	SP 0090/01	- Universal Switching Adapter	○ ○ SP 0173
- Mouthpiece	SP 0166	- 12V Car Adapter	* ○ SP 0007/01
- Nosepiece (non invasive)	SP 0188	- Built-in Battery Charger	○
- Air Tube	SP 0092/01	- Pack of 8's rechargeable battery	* * upon request

TECHNICAL FEATURES		LITE	MOBILE
Compressor	Oiless and maintenance-free piston pump	○ ○	
Power Feeding (Universal Switching Adapter)	100-240V / 50-60Hz	○ ○	
Power Feeding - car adapter	12V		○
Power Feeding - rechargeable batteries	8 x Alkaline Batteries - AA size, 1.2V		*
Battery autonomy	40 to 90 min. (with batteries 1600 to 2500 mAh)	○	
Recharge time	3,5 to 7 hours depending on battery capacity	○	
Power consumption (AC/DC adaptor)	38,5 VA		
Max Pressure	2 bar 29 psi 200 kPa	○ ○	
Operating Pressure	0,8 bar 11,6 psi 80 kPa		
Max Air Flow	12 l/min		
Operating Air Flow	4 l/min		
Neb-rate with 4 ml solution	0,35 ml/min		
Mass Median Aerodinamic Diameter	3 µm (MMAD) according to EN-13544-1		
Respirable Fraction (< 5µm)	> 75%		
Duty Cycle	Ton: 30min   Toff: 30min		
Noise Level (EN 13544-1 Standard)	Approx. 50 dBA		
Weight	LITE: 0,56 kg   MOBILE: 0,56 kg (without batteries)		
Size (Main Unit)	LITE: cm 9,5 x 14 x 5   MOBILE: cm 9,5 x 14 x 7		
Years of Warranty	5		
Shipping carton	6		
Place of Manufacturing	Italy		



MADE IN ITALY

IP21

## CODE

RE 300850 LITE  
 RE 300700 MOBILE

CE 0123

## INDICATIONS

Mobility Use

Emergency

Ambulance

Pediatric Use



KIWI is an aerosol delivery system operating by means of MESH technology joining the best features of compressor and ultrasonic systems in the same unit. In fact, KIWI combines the rapidity and efficacy of a compressor system with the quietness and versatility -power or battery feeding-, of an ultrasonic system. It's the ideal device for both adults and children, in home-care or emergencies at the open air. The medication chamber is made in polyethersulfone (PESU), innovative material guaranteeing high resistance to shocks and full sterilization in autoclave, whereas the MESH disc is made in Nickel-Palladium (Ni-Pd) to provide durability and efficacy in the long term. The residual volume, being medication that cannot be nebulized, has been minimized to less than 0,1 ml with an innovative design of the chamber, increasing thus the therapy efficacy. The alkaline batteries provide over two hours autonomy, the longest available in the marketplace.

## STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

Medication Chamber	SP 0237	100-240V 50/60Hz AC/DC adapter	SP 0236
Adult Mask	SP 0238	Carrying Bag	SP 0251
Pediatric Mask	SP 0239	2 x Alkaline Batteries - AA size, 1.5V	
Mouthpiece	SP 0240		

## TECHNICAL FEATURES

Power Supply	100-240V / 50-60Hz by power adaptor or 3V with 2 AA – 1.5V ALKALINE batteries
Power Consumption	1.0 W (with original power adaptor)
Mesh Vibration Frequency	approx. 108 kHz
Autonomy of 1 Set of New Batteries	approx. 2 HOURS (continuously) or 6 days with 20 minutes daily applications
Residual Volume	< 0.1ml
MMAD (EN 13544-1)	4.5 µm
GSD (EN 13544-1)	2.89
Aerosol Output (EN 13544-1)	1.79 ml
Aerosol Output Rate (EN 13544-1)	0.27 (ml/min)
Nebulisation Volume	Up to 0.35 ml/min (4ml NaCl 0.9%)
Duty-Cycle	Non-Stop Operation
Noise Level	37.5 dB (A)
Max Medication Capacity	8ml
Weight	104 g (without batteries)
Size (Main Unit)	cm 5 x 4 x 12
Years of Warranty	2
Shipping Carton	6

IP22

## CODE

RE 300950 KIWI – MESH Nebulizer

CE 0123



**MMAD  
1,51 µm** (according to EN 13544-1)

**> 93%** Respirable Fraction (< 5µm)



#### INDICATIONS

Mobility Use

Emergency

Ambulance

Pediatric Use

GT-NEB is an aerosol delivery system operating by means of vibrating MESH technology, joining the best features of compressor and ultrasonic systems in the same unit. In fact, GT-NEB combines the rapidity and efficacy of a compressor system with the quietness and versatility -mains (option) or battery feeding-, of an ultrasonic system. Extremely easy to use, with GT-NEB all types of medications (except solutions containing hyaluronic acid) can be nebulized efficiently, providing a treatment time of 6 minutes for 2 ml of 0.9% NaCl (saline) and very fine particles (MMAD 1,51µm), high respirable fraction (over 93%) and with a final residual volume of less than 0.1 ml. The smart connector in each mask provides 360° rotation of the masks for nebulizing easily patients confined to bed or babies.

#### STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

Medication chamber in highly resistant PC	SP 0261	- 100-240V 50-60Hz	SP 0262
Set with adult and child mask with rotatable connector	SP 0264	AC/DC adapter	
Mouthpiece	SP 0263		
2x Alkaline batteries (AA - 1.5V)	/		
Carrying bag	SP 0265		

#### OPTIONS

#### TECHNICAL FEATURES

Power Supply	2 x AA – 1.5V Alkaline batteries 100-240V 50-60Hz by power adaptor (not included in the unit)
Power Consumption	2W approx.
Mesh Vibration Frequency	145 kHz approx.
Autonomy of 1 Set of New Batteries	90 minutes (non-stop) 6 days with 15 minutes daily therapy (with new batteries)
Residual Volume	< 0.1ml
MMAD (EN 13544-1)	1.51 µm
Respirable Fraction (< 5 µm)	>93%
Neb-rate	0.30 ml/min with 2ml of 0,9% NaCl (saline)
Duty-Cycle	Non-stop operation (with mains)
Noise Level	38.2 dB (A)
Medication Chamber Capacity	8 ml
IP Code	IP22
Weight	96 g (without batteries)
Size (Main Unit)	6 x 5 x 12 cm
Years of Warranty	2
Shipping Carton	10's

#### CODE

RE 300960 GT-NEB

CE 0123

## INDICATIONS

Mobility Use

Emergency

Ambulance

Pediatric Use



BABY is a compact and handy ultrasonic aerosol delivery system. It is recommended for infants, children and adults. Its absolute quietness and fastness in delivering medications make it a versatile portable nebulizer. Light-weight, easy to operate, with integrated mouthpiece and a support base for use on the table. It can be used as "hand-held" or "desk-type" unit depending on patient's convenience. Automatic shut-off system after ten minutes in case of poor cooling or unintentional start of the device. Three different air flow settings to adjust treatment efficiency.

## STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

Power Adapter	SP 0181	Carrying Bag	SP 0176
Adult Mask with elastic strings	SP 0174/01	Rechargeable battery pack	SP 0178
Infant Mask with Fruit Fragrance (different colours)	SP 0174	Corrugated Tube	
2x Air Filters	SP 0179	Unit Base Support for Use on the Table	
10x Medication Cups	SP 0180		

## TECHNICAL FEATURES

Transducer operating frequency	2,5MHz+200kHz (-100 kHz)
Power Feeding	100-240V / 50-60Hz AC/DC universal adapter Rechargeable Battery (Optional)
Power Consumption	10 VA (with AC/DC adapter)
Noise Level	40 dBA
Medication cup max capacity	7.5 ml
Automatic power shut-off	11 min (+/- 2 min)
Nebulization rate	max 0.7ml/min with saline solution
Particle size	1-10µm
Duty Cycle	Ton: 30min   Toff: 30min
Size	cm 6 x 11x 16
Weight	g 220
Years of Warranty	2
Shipping Carton	6

## CODE

RE 300900/02 BABY

CE 0123



## INDICATIONS

Professional Use

Hospital Use

Intensive Use

CLINEB is a professional piston compressor nebulizer for aerosolotherapy. Indicated for intensive and continuous treatments in clinics or hospitals, its design includes a large compartment for convenient storage of accessories and medications. Available with airflow regulation and pressure gauge and with the option of a stand on castors for displacement along wards.

## STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

- HI-FLO Jet Nebulizer	SP 0165	- Air Tube	SP 0092/01	- Stand on 5 antistatic castors Ø 50mm with brakes	27731
- Adult Masks with elastic strings	SP 0089/01	- Air Filter	SP 0142/01		
- Child Masks with elastic strings	SP 0090/01				
- Mouthpiece	SP 0166				
- Nosepiece (non invasive)	SP 0188				

## TECHNICAL FEATURES

Compressor	Oiless and maintenance-free piston pump
Power Feeding	230V / 50Hz
Power consumption	184 VA
Max Pressure	2.5 bar    36 psi    250 kPa
Operating Pressure	1.30 bar    18.9 psi    130 kPa
Max Air Flow	16 l/min
Operating Air Flow	5.2 l/min
Neb-rate with 4 ml solution	0,50 ml/min
Mass Median Aerodinamic Diameter	3,25 µm (MMAD) according to EN-13544-1
Respirable Fraction (< 5µm)	> 70%
Duty Cycle	Non-stop operation
Noise Level (EN 13544-1 Standard)	Approx. 57 dBA
Weight	2,20 kg
Size (Main Unit)	cm 19 x 25 x 15
Years of Warranty	2
Shipping carton	4
Place of Manufacturing	Italy

## CODE

RE 300551/03	CLINEB BASIC (without airflow regulation and pressure gauge)
RE 300550/03	CLINEB (with airflow regulation and pressure gauge)

Italian  
Medical  
Touch  
MADE IN ITALY

CE 0123

## INDICATIONS

Professional Use

Hospital Use

Intensive Use



CLINEB PRO is a professional piston compressor nebulizer for aerosoltherapy. Indicated for intensive and continuous treatments in clinics or hospitals, its design includes a large compartment for convenient storage of accessories and medications, a convenient handle for easy grip and airflow regulation with pressure gauge. The newest HI-4 speed jet nebulizer with valve system increasing the speed of nebulization up to 100% makes it the ideal nebulizer for professionals.

## STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

- HI-4 Jet Nebulizer	SP 0275	- Air Tube
- Mouthpiece	SP 0273	- Air Filter
- Nosepiece (non invasive)	SP 0274	- Power cord with Schuko plug
- Adult Masks with elastic strings		
- Child Masks with elastic strings		

## TECHNICAL FEATURES

Compressor	Oilless and maintenance-free piston pump			
Power Feeding	230V-50Hz			
Max Pressure	3.0 bar      43.5 psi      300 kPa			
Operating Pressure	0,95 bar      13.7 psi      95 kPa			
Max Air Flow	16 l/min			
Operating Air Flow	8,0 l/min			
Noise Level (EN 13544-1 Standard)	Approx.60 dBA			
Neb-rate with 2 ml solution	Pos. I (closed) 0,40 ml	Pos. II 0,60 ml	Pos. III 0,70 ml	Pos. IV 0,80 ml
MMAD as per EN 13544-1	Pos. I (closed) 3,32 µm	Pos. II 4,07 µm	Pos. III 4,13 µm	Pos. IV 4,18 µm
Duty Cycle	Non-stop operation			
Weight	2,20 kg			
Size (Main Unit)	cm 23 x 19 x 25			
Years of Warranty	2			
Shipping carton	4			
Place of Manufacturing	Italy			

## CODE

RE 300560 CLINEB PRO

CE 0123

Italian  
Medical  
Touch  
MADE IN ITALY

INDICATIONS

Professional Use

Home Care

Intensive Use



EVOLUTION is the latest design within CA-MI range of professional piston compressor nebulizers for aerosoltherapy. Indicated for intensive treatments in clinics or hospitals, its innovating design includes a large compartment for storage of accessories and medications, along with a convenient handle for displacement. Efficiency of treatments is ensured by the powerful compressor approved for non-stop operation and the new breath enhanced HI-4 speed jet nebulizer with valve system increasing the speed of nebulization up to 100%.

## STANDARD CONSUMABLES INCLUDED and REF. NO. for reordering

- HI-4 Jet Nebulizer	SP 0275	- Air Tube
- Mouthpiece	SP 0273	- Air Filter
- Nosepiece (non invasive)	SP 0274	
- Adult Masks with elastic strings		
- Child Masks with elastic strings		

## TECHNICAL FEATURES

Compressor	Oilless and maintenance-free piston pump			
Power Feeding	230V-50Hz			
Max Pressure	3,0 bar	43,5 psi	300 kPa	
Operating Pressure	0,95 bar	13,7 psi	95 kPa	
Max Air Flow	16 l/min			
Operating Air Flow	8,0 l/min			
Noise Level (EN 13544-1 Standard)	Approx.60 dBA			
Neb-rate with 2 ml solution	Pos. I (closed) 0,40 ml	Pos. II 0,60 ml	Pos. III 0,70 ml	Pos. IV 0,80 ml
MMAD as per EN 13544-1	Pos. I (closed) 3,32 µm	Pos. II 4,07 µm	Pos. III 4,13 µm	Pos. IV 4,18 µm
Duty Cycle	Non-stop operation			
Weight	2,0 kg			
Size (Main Unit)	cm 20 x 28 x 15			
Years of Warranty	2			
Shipping carton	6			
Place of Manufacturing	Italy			

## CODE

RE 300450 EVOLUTION

Italian  
Medical  
Touch  
MADE IN ITALY

CE 0123



CE

### Sulphur water pre-packed plastic bottle

### New Vapinal hot steam inhalator



CE 0123

## A NATURAL HELP FOR RESPIRATORY DISEASES

Sulphur is an essential element for life: it is found in every cell of the human body to maintain muscle tone, to purify and to detoxify it from harmful external agents. Thermal sulphur water properties have been known since centuries: sulphur contained in water can be used as indispensable element for the construction of connective tissue representing a valuable aid for disinfection and cleansing of mucous membranes respiratory apparatus.

Susanus® sulphur water, taken from an Italian natural source and inhaled through New Vapinal unit, represents a remedy for the solution of upper airways affections such as **rhinitis, otitis, sinusitis**.

Susanus® water is categorized as chlorinated, sulphate, calcic, magnesic, sodic, fluorinated and sulphurous water, it contains sulphur with an unmistakable smell, under the form of hydrogen sulphide.

This water is well-known also because of its hardness (51-64 °f) linked to presence of calcium and magnesium salts.

The presence of hydrogen sulphide favours vasodilation and the elimination of free radicals.



### BENEFITS

The effects of the inhaled water on the respiratory system are:

- Ciliary-active action and improvement of mucociliary transportation
- Mucolytic action, mainly linked to the presence of H<sub>2</sub>S
- Normalization of the production of secretory IgA
- Strengthening of the antioxidant defence systems
- Anti-phlogistic action
- Antiseptic action

### INSTRUCTIONS FOR USE

Fill NEW VAPINAL boiler with SUASANUS® pre-packed plastic containers and connect with tubes to inhalator.

Inhale the mist till the water contained in bottle ends.

Take 12 inhalations (1 per day) in spring time.

Take 12 inhalations (1 per day) in autumn.

### CHEMICAL SHEET

Susanus® natural sulphurous mineral water is microbiologically pure at the source. It is free of any contraindications, since it involves natural spring water with sulphurous content without the addition of any decongesting action substance. Its use has no time restrictions.

pH (measured at the source) 6,83

Hydrogen ions concentration at the source 1.48E-07 g.ions/l

Conductivity at 20 °C 3.230 µS/cm

Hydrogen sulphide level (sulphides)	49.72 mg/l	Dissolved iron	0.0441 mg/l
Residue at 180 °C	2380 mg/l	Ammonium ion	3,230 mg/l
Oxidability (according to Kubel)	1,410 mg/l	Total phosphorus	<0.05 mg/l
Free carbon dioxide at the source	69.23 mg/l	Strontium	6,493 mg/l
Silica	9.601 mg/l	Lithium	0.3528 mg/l
Bicarbonates	290.0 mg/l	Aluminium	<0.020 mg/l
Chlorides	525.5 mg/l	Bromine	2,746 mg/l
Sulphates	1,371 mg/l	Iodine	0.2126 mg/l
Sodium	377.6 mg/l	Nitrates	<0.01 mg/l
Potassium	32,12 mg/l	Nitrites	<0.001 mg/l
Calcium	277.5 mg/l		
Magnesium	82.49 mg/l		

Chemical and physical chemical analysis on the date of 20.1.2015 at 11.00 a.m. Ministerial Decree November 12, 1992, No. 542 (Official Gazette dated 12/1/93 no. 8) and Ministerial Decree of December 29, 2003 (Official Gazette 31/12/03 no. 302).

### CODE

TH W02 \_\_\_\_\_ SUASANUS®

RE 420000 \_\_\_\_\_ NEW VAPINAL (Bottle of Natural Spring Water not included)



PulmoVol 50



PulmoVol 25

MADE IN ITALY

PULMOVOL is a range of Volumetric Respiratory Exercisers used to encourage SMI through inspiration (Sustained Maximal Inspiration) in patients with respiratory pathologies or difficulties. Indicated in the prevention of postoperative respiratory complications and in patients with prescription to perform IMT therapy (Inspiratory Muscle Training).

Used to improve the strength of respiratory muscles providing progress in the respiratory functional parameters, PULMOVOL incorporates visual indicators of performance in order to aid the therapist in coaching the patient to optimal performance.

## PULMOVOL 50

Indicated for adults, it has a clear scale ranging from 300cc to 5000cc. Visual indicators for the therapist to set targets and for the patients to indicate achieved results. Fully dismountable for cleaning operations, mouthpiece, air filter and tube can be replaced.

## PULMOVOL 25

With a clear scale ranging from 200cc to 2500cc, it offers less resistance than Pulmovid 50 and is therefore indicated for pediatric use, for the elderly and for all patients with reduced inspiratory capacity. Visual indicators for the therapist to set targets and for the patients to indicate achieved results. Fully dismountable for cleaning operations, mouthpiece, air filter and tube can be replaced.

## PULMOGAIN

The patient should lift two or three balls by deep inspiration, following the instructions of the doctor specialist, holding the inspiration as long as possible and removing the mouthpiece from his mouth to exhale. Can be fully disassembled for cleaning operations in between patients.

## PULMOGAIN SOFT

Pulgogain Soft features light "floaters" instead of balls, thus offering less resistance than Pulmogain. It is therefore indicated for patients with reduced inspiratory capacity, such as children, elderly people and for all patients confined to bed for long periods. Designed for hospital use or home-care, it is fully dismountable for cleaning operations. Mouthpiece, air filter and tube can be replaced.

## PULMOLIFT

To exercise and stimulate respiration through expiration. Can be used alone or connected to any other CA-MI Incentive Spirometers -such as Pulmogain or Pulmovid- to exercise respiration through a complete cycle of inspiration and expiration without interruptions.





PulmoGain Soft  
with PulmoLift

PulmoLift

 MADE IN ITALY

Range of Incentive Spirometers to exercise respiration through deep inhalation or exhalation, or both in one single device. The main group usually subject to pulmonary rehabilitation is patients affected by COPD (Chronicle Obstructive Pulmonary Disease), although the rehabilitation brings benefits even in patients with severe respiratory troubles or in patients with post-operative long stay in bed. The main benefits of a pulmonary rehabilitation program are to minimize the associated symptoms, the reduction of the dyspnoea and its related consequences, improving thus the quality of life of the patient by recuperating the tolerance to effort and to exercise, and a reduction of the anxiety or depression which may be associated to the disease. It is important then that patients continue the respiratory rehabilitation at home and very often the domicile is the only place where this can be performed. The devices for domicile rehabilitation must be easy to use and cost effective, but the most important aspect is that they should allow the measurement of the exercise performed.

The new line of CA-MI incentive spirometers include three efficient devices for the stimulation of deep inspiration and the estimation of the improvements of the patient concerning the flow and/or the volume inspired.

CONFIGURATIONS & CONSUMABLES	PulmoVol 50	PulmoVol 25	PulmoGain	PulmoGain Soft	PulmoLift
In Individual nylon bag and individual white box Shipping Carton 10's	RE 400210	RE 400211			
In Individual Cardboard Multilanguage Display Box. Shipping Carton: 24's			RE 400100		
In Individual Transparent Nylon Bag Shipping Carton: 24's			RE 400110	RE.400110/01	
Including Air Tube, Air Filter and Mouthpiece In Individual Transparent Nylon Bag Shipping Carton: 50's					RE 400250/01
Without Air Tube, Air Filter and Mouthpiece In Individual Transparent Nylon Bag Shipping Carton: 50's					RE 400250
Spare Air Filter (bag 10's)	SP 0154	SP 0154	SP 0154	SP 0154	
Spare Mouthpiece	SP 0155	SP 0155	SP 0155	SP 0155	SP 0155
Spare Corrugated Tube	SP 0156	SP 0156	SP 0156	SP 0156	SP 0156
Spare Plastic Cap			SP 0159	SP 0159	
Spare Kit (Air Filter, Mouthpiece, Tube)	SP 0201	SP 0201	SP 0201	SP 0201	SP 0201

## O2-EASY

O2-EASY is a finger pulse oximeter to check and monitor patient blood-oxygen saturation ( $\text{SpO}_2$ ) level and pulse rate. Its small, compact, simple, reliable and durable design greatly enhances patient care. It is widely used in different medical fields, such as home-care, clinics, hospitals, social medical organizations, first-aid, dental operation. Standard accessories included:

2 x AAA 1.5V alkaline batteries (replaceable), 1 x hang lace.



### GENERAL FEATURES

- Small & Light Weight Design
- Digital LEDs Display
- Double-Direction Display
- Displays:  $\text{SpO}_2$ , Heart
- Pulse Rate and Heart
- Frequency Bar
- Low Power Consumption (30 Hours Non-Stop)
- Low-Battery Indicator
- Automatic Shut-Off
- Suitable for Several Finger Sizes (Pediatric | Adult)

### TECHNICAL FEATURES

Patient Range	Adult and Pediatrics Patients
$\text{SpO}_2$	Measurement range 70% - 99% Resolution 1%
	Measurement accuracy 80% - 99%: $\pm 2\%$ ; 70% - 79%: $\pm 3\%$ $<69\%$ : no definition
Pulse Rate	Measurement range 30 - 235 bpm Resolution 1bpm
	Measurement accuracy $\pm 2$ bpm or $\pm 2\%$
Size	mm 32 x 58 x 34
Weight	50g (including two AAA batteries)
Power Source	2 x Alkaline Batteries - AAA size, 1.5V
Years of Warranty	2
Units per Shipping Carton	40
Code number	OX 100000

CE 0123

## ECO-PRESSURE

ECO PRESSURE is a wrist-type digital blood pressure monitor, fully-automatic for rapid and accurate reading.



### STANDARD CONSUMABLES INCLUDED

- 1 x Adult Cuff (12,5-20,5 cm)
- 1 x Plastic Case for Safe Storage
- 2 x Alkaline AAA size, 1.5V Batteries (replaceable)

### TECHNICAL FEATURES

Size	cm 6,7 x 7,3 x 7
Weight	240 g
Measuring Method	Oscillometry
Inflation / Deflation Method	Automatic
Technology	Fuzzy Logic
Pressure Measurement Range	40-260 mmHg
Cuff Pressure Measurement Range	0-300 mmHg
Pulse/min (Pulse Rate)	40-160 times/minute
Pulse Rate Accuracy	+/- 5% of reading
Static Pressure Accuracy	+/- 3 mmHg
Memories	90
Power Source	2 x Alkaline Batteries - AAA size - 1.5V
Years of Warranty	2
Units per Shipping Carton	40
Code number	RE 520110

CE 0123



MY-PRESSURE 2.0 is an electronic digital device for the measurement of blood pressure and heart pulse. Provides easy and accurate reading of systolic and diastolic pressure, heartbeat and possible arrhythmia. Fully automatic operation along with the large monitor makes the device easy to use and simple to read. The software for measurement of MYPRESSURE 2.0 is clinically validated and in compliance with the ESH protocol (European Society of Hypertension).

## OPERATING FEATURES

- Fuzzy logic technology
- Irregular heartbeat indicator
- Indicator with colour scale in compliance with 1999 WHO-ISH guidelines
- Suitable for use with power adaptor (not included)
- 2 areas with 90 memories each (double patient)
- Average of the latest 3 measurements
- Date and Time function
- Automatic stand-by mode

## STANDARD CONSUMABLES INCLUDED

- 1 x Cuff 22-32 cm circumference
- 1 x Carry Bag
- 4 x Alkaline Batteries (AA-type, 1.5V)

## OPTIONAL ACCESSORIES

- 230V-50Hz Power Adaptor SP 0210
- Cuff 32-45 cm circumference SP 0197/01

## TECHNICAL FEATURES

Size	cm 10,5 x 12 x 5,5
Weight	310 g
Measuring Method	Oscillometric
Inflation / Deflation Method	Automatic
Pressure Measurement Range	40-260 mmHg
Cuff Pressure Measurement Range	0-300 mmHg
Pulse/min (Pulse Rate)	40-160 beats/min
Pulse Rate Accuracy	+/- 5% Heart Rate Accuracy
Static Pressure Accuracy	+/- 3 mmHg
Power Source	4 AA-type Alkaline Batteries 1.5V (AC/DC Adaptor not included)
Years of Warranty	2
Units per Shipping Carton	10

## CODE

RE 503000 MY-PRESSURE 2.0

**CE 0123**



BIHS  
Clinical Validation



HL858DK is an automatic upper-arm blood pressure monitor indicated for adults. By oscillometric method, it measures automatically systolic and diastolic blood pressure, the heart pulse and the atrial fibrillation by simply placing the index finger on the detector.



Atrial fibrillation (also called AFib or AF) is a quivering or irregular heartbeat (arrhythmia) that can lead to blood clots, stroke, heart failure and other heart-related complications. Within 30 seconds, HL858DK can provide automatic reading of blood pressure and AFib at the same time, displaying all values on the back-lighted monitor, including the waveform detected by AFib.

### OPERATING FEATURES

- Indicator with colour scale in compliance with 2003 WHO guidelines
- Irregular heartbeat indicator
- AFib indicator
- Low battery indicator
- 3 areas with 120 memories (triple patient)
- Average of the latest 3 measurements
- Date and Time function
- Automatic shut-off mode
- Operation by batteries or AC/DC adapter (optional)

### STANDARD CONSUMABLES INCLUDED

- 1 x Cuff 22-33 cm circumference
- 1 x Carry Bag
- 4 x Alkaline Batteries (AAA-type, 1.5V)
- 100 ~ 240V Power Adaptor
- XL Cuff 33-43 cm circumference

### OPTIONAL ACCESSORIES

### TECHNICAL FEATURES

Measuring Method od	Oscillometric
Inflation / Deflation Method	Automatic
Pulse Measurement Range	40-199 beats/min
Pressure Measurement Range	0-300 mmHg
Pulse Rate Accuracy	+/- 5% of reading
Pressure Accuracy	+/- 3 mmHg
Power Source	4x AAA 1.5V alkaline batteries
	— AC/DC power adapter (not included)
Weight	g 320
Size	cm 10 x 14 x 6
Years of Warranty	2

### CODE

RE 504000 \_\_\_\_\_ HL858DK

CE 0197

## Termir4

TERMIR-4 is an infrared thermometer with 4 measurement functions: ear, temples, liquids and ambient.

### STANDARD ACCESSORIES INCLUDED:

- CR2032- type lithium battery
- Anti-shock plastic probe cover

### TECHNICAL DATA

Size \_\_\_\_\_

cm 14,6x3,8x5,4

Weight \_\_\_\_\_

75 g

Measuring Method \_\_\_\_\_

Infrared

#### Ear mode:

$\pm 0.2^\circ\text{C}$  ( $0.4^\circ\text{F}$ ) between  $35.5 \div 42^\circ\text{C}$  ( $95.9 \div 107.6^\circ\text{F}$ )

$\pm 0.3^\circ\text{C}$  ( $0.5^\circ\text{F}$ ) in other temperature intervals

#### Forehead mode (temples):

$\pm 0.2^\circ\text{C}$  ( $0.4^\circ\text{F}$ ) between  $36.0 \div 39.0^\circ\text{C}$  ( $96.8 \div 102.0^\circ\text{F}$ )

$\pm 0.3^\circ\text{C}$  ( $0.5^\circ\text{F}$ ) in other temperature intervals

#### Scan mode:

$\pm 0.3^\circ\text{C}$  ( $0.5^\circ\text{F}$ ) between  $22 \div 42.2^\circ\text{C}$  ( $71.6 \div 108^\circ\text{F}$ )

For other intervals  $\pm 4\%$  o  $\pm 2^\circ\text{C}$  ( $0.4^\circ\text{F}$ ) for higher values

Power Source \_\_\_\_\_

CR2032 - type lithium battery

Years of Warranty \_\_\_\_\_

2

Units per Shipping Carton \_\_\_\_\_

40

Code number \_\_\_\_\_

TR 100001



**CE 0123**

## T-40 | T-40F | T-CLASSIC | T-FLAP

T-40 is a digital thermometer with rigid tip taking temperature in 40"

T-40F is a digital thermometer with flexible tip taking temperature in 40"

T-Classic and T-Flap are Mercury-Free thermometers, indicated for clinical measurement of body temperature when positioned in axillary, oral or rectal position. Made in glass, they contain a liquid alloy without mercury, dilating with heat and being environment and family safe. T-Flap is provided with aids to facilitate lowering of the alloy.

TECHNICAL DATA	T-40	T-40F	T-CLASSIC	T-FLAP
Rectal measuring time	40 sec.*	40 sec.*		
Oral measuring time	60 sec.*	60 sec.*		
Axillary measuring time	100 sec.*	100 sec.*		
Flexible tip 45°		<input type="checkbox"/>		
Waterproof tip		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Last reading memory	<input type="checkbox"/>	<input type="checkbox"/>		
End reading beeper	<input type="checkbox"/>	<input type="checkbox"/>		
Number of measurements	Max 20.000	Max 20.000		
Accuracy	0,1°C	0,1°C	0,1°C	0,1°C
Readings	°Celsius - °Fahrenheit	°Celsius - °Fahrenheit		
Auto shut-off	<input type="checkbox"/>	<input type="checkbox"/>		
Low battery indicator	<input type="checkbox"/>	<input type="checkbox"/>		
Type of battery (replaceable)	LR41 - 1.5V	LR41 - 1.5V		
Weight	10 g	12 g	7.2 g	7.2 g
Display box	multiple (24 individual)		Individual hangable	
Shipping units	24 pcs	24 pcs	12 pcs	12 pcs
Years of Warranty	2	2	2	2
Code number	TR 200100	TR 200200	TR 100200	TR 100300

**CE 0123**





T-One is a NO-TOUCH infrared thermometer providing quick and accurate measurement of body temperature at 5 cm distance. Temperature reading of surfaces and objects can also be easily set by user.

#### STANDARD CONSUMABLES INCLUDED

- Carrying Bag
- 2 x Alkaline AAA size, 1.5V Batteries
- Supplied in counter exhibitors 6's

#### TECHNICAL FEATURES

Size	cm 14,6x3,8x5,4
Weight	75 g
Measuring Method	Infrared Distance (NO-TOUCH)
Temples Measurement Accuracy	±0.2 °C
Surfaces and objects Measurement Accuracy	±1 °C
Power Source	2 x Alkaline AAA size, 1.5V Batteries
Years of Warranty	2
Counter exhibitor	6 pcs
Units per Shipping Carton	4 exhibitors/carton (24 pcs)

#### CODE

TR 100102 \_\_\_\_\_ T-ONE

CE 0123



Easy to use, quick, quiet and hygienic, T-FLASH is an infrared thermometer suitable for both children and adults of any age, providing accuracy in body temperature measurement within 1 second and with no contact, in the most hygienic conditions. A distance from the forehead of max 3 cm (1,18 inches) is sufficient to read the body temperature on the display within 1 second. Every reading is recorded up to 25 memories and after each measurement the previous value is displayed for an immediate comparison. T-FLASH is provided with an acoustic alarm to warn user when temperatures exceed 37,5°C (99,5°F). With T-FLASH not only body temperature can be monitored, but also rooms, surfaces and liquids which makes it the ideal device in the daily operations with babies to control his milk, food or bath water temperature. Supplied in individual 4-colour pack for counter display.

#### STANDARD CONSUMABLES INCLUDED

- Carrying Bag
- Lithium battery (CR2032)
- Anti shock probe cover

#### TECHNICAL FEATURES

Size	cm 8,1 x 4,6 x 4
Weight	60 g (battery included)
Measuring Method	Infrared Distance from 1 to 3 cm (NO TOUCH)
Measuring Range	34 to 42,2°C forehead mode -22 to 80°C scan mode (surfaces)
Body Measuring Accuracy	±0,2°C in the 35 ÷ 42°C interval ±0,3°C in the other intervals
Scan Measuring Accuracy	±0,3°C in the 22 ÷ 42,2°C interval ±4% in the other intervals or ±2°C for higher values
Power Source	Internal Lithium Battery (CR2032)
Years of Warranty	2
Units per Shipping Carton	40 pcs

#### CODE

TR 100150 T-FLASH Infrared Thermometer (No-touch)

**CE 0123**

**P-50**

PR 310050

CE 0123

**Palm-Type Sphygmomanometer**

Plastic Body  
Manual inflation  
Carry bag  
Size: Ø 67 x 160 mm  
Weight: 210 g

Measuring range: 40 to 260 mmHg  
Pressure Range: 0 to 300 mmHg  
Accuracy: ± 3 mmHg  
Cuff size (Adult): 22-32 cm  
Years of Warranty: 2  
Shipping Carton: 30's

**P-100**

PR 310100

CE 0123

**Palm-Type Sphygmomanometer**

Plastic Body  
Manual inflation  
Carry bag  
Size: Ø 67 x 160 mm  
Weight: 250 g

Measuring range: 40 to 260 mmHg  
Pressure Range: 0 to 300 mmHg  
Accuracy: ± 3 mmHg  
Cuff size (Adult): 22-32 cm  
Years of Warranty: 2  
Shipping Carton: 30's

**A-50**

PR 315050

CE 0123

**Aneroid Sphygmomanometer**

Manual inflation  
Carry bag  
Size: Ø 50 x 90 mm  
Weight: 110 g  
Measuring range: 40 to 260 mmHg

Pressure Range: 0 to 300 mmHg  
Accuracy: ± 3 mmHg  
Cuff size (Adult): 22-32 cm  
Years of Warranty: 2  
Shipping Carton: 30's

**A-100**

PR 315100

CE 0123

**Aneroid Sphygmomanometer**

Manual inflation  
Carry bag  
Stethoscope  
Metal clamp for gauge hooking  
Size: Ø 50 x 90 mm  
Weight: 110 g

Measuring range: 40 to 260 mmHg  
Pressure Range: 0 to 300 mmHg  
Accuracy: 3 mmHg  
Cuff size (Adult): 22-32 cm  
Years of Warranty: 2  
Shipping Carton: 30's

**P-130**

PR 310000/02

CE 0123

**Assorted Set**

1 x Palm-Type Sphygmomanometer  
1 x Single Head Stethoscope  
1 x Child cuff Ø 18 - 26 cm  
1 x Adult cuff Ø 22 - 32 cm  
1 x XL cuff Ø 33 - 51 cm  
1 x Carrying Bag

Measuring range: 40 to 260 mmHg  
Pressure Range: 0 to 300 mmHg  
Accuracy: ± 3 mmHg  
Years of Warranty: 2  
Shipping Carton: 10's

**P-150**

PR 310150

CE 0123

**Assorted set for emergency**

1 x Palm-type sphygmomanometer  
1 x Stethoscope  
1 x Thigh cuff Ø 40 - 66 cm  
1 x Obese cuff Ø 33,3 - 51 cm  
1 x Adult cuff Ø 25,4 - 40,6 cm  
1 x Child cuff Ø 18,4 - 26,7 cm  
1 x Infant cuff Ø 13 - 19 cm

Manometer diameter Ø 73 mm  
Graduate scale: 0 - 300 mmHg  
Measuring range: 40 - 260 mmHg  
Scale interval: 2 mmHg  
Accuracy: ± 3mmHg  
Size of manometer: 171 x 73 x 50 mm  
Weight of manometer: 195 +/- 5 g

**S-10**

ST 100000

CE

**Stethoscope**

47 mm single headed  
Soft ear tips  
Non-chill rims  
Single PVC Y-tube

Alluminium alloy chestpiece  
Individual display box  
Years of Warranty: 2  
Shipping Carton: 100's

**S-20**

ST 100001

CE

**Stethoscope**

48 mm double headed  
Large head for heart and lung auscultation  
Small head for low frequency sound auscultation

Non-chill rims  
Soft ear tips  
Years of Warranty: 2  
Shipping Carton: 100's

Alluminium alloy chestpiece  
Single PVC Y-tube  
Individual display box

**S-30**

ST 100002

CE

**Sprague Rappaport Stethoscope**

Zinc alloy double headed 45,4 mm membrane for adult auscultation  
Small membrane for child auscultation  
Bells for auscultation from infant to adult

Soft ear tips  
Double PVC tube  
Non-chill rims  
Years of Warranty: 2  
Shipping Carton: 50's

Accessories included:  
1 pair of tube connectors  
2 pair of different ear tips  
3 x membrane adaptors



## P-200


**>> SHOCK RESISTANT <<**

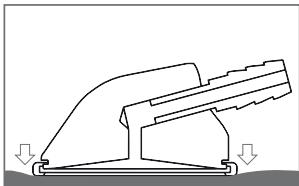
P-200 is a professional palm-type sphygmomanometer for blood pressure measurement. The innovating design and the special materials make it shock resistant, having passed the drop test from a height of over 1m, far exceeding the standards of the European and USA normatives.

**CE 0123**

**TECHNICAL FEATURES**

Manometer Diameter	55 mm
Graduated Scale	0-300 mmHg
Measuring Range	40-260 mmHg
Scale Interval	2 mmHg
Accuracy	+/- 3mmHg
Weight	275 g
Years of Warranty	5
Code number	PR 310200

## S-100 CARDIO

**CE**


S-100 CARDIO has been developed taking into account the requirements of specialist cardiologists. It's equipped with a floating diaphragm allowing to monitor both low and high frequencies by simple pressure on the chest piece. The high quality and thicknesses of the materials used provide optimal external sound insulation, while the membrane amplifies the sounds auscultated, constituting the ideal stethoscope for specialist cardiology.

**TECHNICAL FEATURES**

Chest Piece	Material: stainless steel / Finishing: manual polishing
Diaphragm	Diameter: 44 mm / Type: floating
Tube	Material: PVC blue colour / Length: 55 cm / Structure: two in one
Binaural	Material: stainless steel / Diameter: 6 mm
Olive Ear	Material: silicone / Structure: soft
Weight	215 g
Years of Warranty	3
Code number	ST 100100



MAT-130 is recommended for the prevention and treatment of basic bedsores classified 0 and 1, in long-term and home therapy. Skin is delicately massaged at alternating points of contact for improved blood flow and tissue oxygenation to prevent the formation of bedsore ulcers. It is easy to install, use and maintain and offers pressure adjustment based on patient weight. This non-toxic PVC mattress is inflated with its own compressor having hooks for bed fitting. Easy to use, portable and lightweight, the mattress contains 130 air bubbles and has end flaps for correct positioning in the bed.

#### PUMP TECHNICAL FEATURES

Power supply	230V / 50Hz
Air output	4.5 l/min
Pressure range	30 mmHg ÷ 100 mmHg
Cycle time	10 min
Noise level	31 dbA
Power consumption	5W
Fuse	1A
Size	cm 24 x 12 x 9.5
Weight	1.4 Kg
Years of Warranty	2



#### TECHNICAL FEATURES

Size	cm 300 x 90 x 6.5
Cells	130 bubble cells
Material	PVC (EN-71, low toxic)
PVC thickness	0.30 mm
Color	beige
Max Weight	130 Kg



#### CODE

DE 620010	MAT 130
SP 0195	SPARE MATTRESS
SP 0196	SPARE PUMP



## WITH-U

With-U is a device developed for use at home, offices or shops in case of emergency. It can be used by children, elderly people or whoever may find himself in need for help. It's a GSM call system with a single wireless button that can call up to five different telephone numbers, previously set by user. With-U does not require a landline, being a GSM system operating with a simple SIM card that can make or receive phone calls through the speakerphone or messages (SMS/texts). No monthly fees have been paid.

- It works with GSM network,  
with no distance limit for incoming calls
- Up to 5 different numbers can be pre-set
- Up to 5 call attempts for each number
- Power supply alarm in case of disconnection
- Internal battery with 6 hours autonomy
- Listen-in and speakerphone functions
- Easy to install, set and use
- Made in Italy

### COMPLETE SET

- WIRELESS CALL BUTTON with neck lace and wrist
- MAIN DEVICE
- HANDS-FREE SPEAKER SYSTEM

### TECHNICAL FEATURES

Power Feeding	12V DC
Operating Temperature	10 ° C ~ +40 ° C
Static Current	30 mA
Wireless Call Button Frequency	433 MHz ± 0,5 MHz
Main Device Dimension	112 x 88 x 25 mm
Speakerphone Dimension	80 x 80 x 20 mm
Wireless Call Button Dimension	45 x 45 x 12 mm
Years of Warranty	2
Units per Shipping Carton	1
Code number	WU 100000



## LIGHTOOTH

LIGHTOOTH is a water flosser providing innovation in the traditional dental hygiene, by combining the power of pulsed water flow and the mechanic brushing action with the sonic vibration. These three actions combined together enhance the oral health benefit by removing thoroughly debris, plaque, tartar and bacteria between teeth and and below the gum-line, acting as a prevention against gingivitis and gum disease.

### STANDARD ACCESSORIES INCLUDED

- |                               |                        |
|-------------------------------|------------------------|
| A - 1 x Subgingival Tip       | D - 1 x Tongue Cleaner |
| B - 2 x Vibrating Brush Heads | E - 1 x Water Jet Tip  |
| C - 1 x Soft Gum Massager     |                        |

### TECHNICAL FEATURES

Hydropulse Power Supply	100-240V / 50-60Hz
Hydropulse Absorbed Power	Max 15W
Sonic Vibration Power Supply	one 1,5 V alkaline battery type AAA
Sonic Vibration Absorbed Current	0.19A
Weight	0.400 kg approx
Size	111 x 150x 197 (H) mm
Basin volume	800 ml Max
Electric base water protection	IPX4
Handle water protection	IPX7
Years of Warranty	2
Units per Shipping Carton	6
Code number	BD 100000/01



## HUMI-RAINBOW

Humi-Rainbow is a cold-mist ultrasonic humidifier with an attracting design and automatic 7-led colours change. Mist output can be adjusted in its direction (360° rotation of the outlet head) and in its speed (adjustable knob). The rear compartment can accommodate OLYSAN, OLYZANZ and OLYSENS, the balsamic essences specifically created and tested by CA-MI.

### TECHNICAL DATA

Water Tank capacity	2,8 l
Max mist output	280 ml/h
Room dimension	from 10 to 25 sq.m.
Operating hours	max 10 (non-stop)
Power Supply	100-240V 50/60Hz
Cable length	1.5 m
Years of Warranty	2
Units per Shipping Carton	6
Code number	UM 100500



## ESSENTIA

ESSENTIA is not only an essence humidifier, but also a complement to interior design, thanks to its elegant design and remarkable natural materials such as oak and opaque blown glass. Our OLYSAN, OLYZANZ and OLYSENS essences can be added to scent the environment with different fragrances. The scent experience is enriched by 7 colours that can be set for automatic change or steady, and stream sound effect.

### TECHNICAL DATA

Tank Capacity	85 ml max
Spraying Speed	16 ml/h
Power Supply	100-240V / 50-60Hz (with 24V adapter unit)
Power Consumption	9W
Coverage	25 m2 max.
Continuous operation time	6-8 hours
Weight (without water)	0.64 kg
Size	8.5 x 8.5 x 15.1 cm
Years of Warranty	2
Code number	UM 100600



## OLYSAN, OLYZANZ, OLYSENS

Suitable for use with Humi-Rainbow or Essentia, Olysan is a mix of natural and balsamic essences to purify and scent the environment and help respiration, with a pleasant sensation of purity and wellness. The well-known and natural properties of Olysan essences protect the living and working areas with antiseptic and antibacterial action.

CODE	FRAGRANCE	COMPOSITION
00304	OLYSAN 15ml	PINE & TEA TREE fragrance providing a resinous woody smell, along with antiseptic and antibacterial action.
00305	OLYSAN 15ml	CITRUS fragrance recreating the enchanting fruity flavor of the Mediterranean region.
00306	OLYZANZ 15ml	OLYZANZ with lavender, lemongrass and geranium, it's an excellent natural remedy to keep mosquitoes away.
00307	OLYSENS 15ml	Enriching couples experience, this unique fragrance is appreciated by ladies and men, stimulating the production of pheromones.



## Défilé

Electronic scale with 4 high quality and accuracy sensors.  
 Automatic reset, switch on and shutdown (within 10 seconds).  
 Weight difference display from latest measurement.  
 Manual selection of weight unit to metric (Kg) or imperial (Lb).  
 Low battery and overload indications.  
 Tempered BLACK GLASS platform.



### TECHNICAL FEATURES

Minimum / Maximum Capacity	4,5/180 Kg - 9,90/397 Lb
Interval Scale	100 g
LCD Display Size	73 x 34 mm
Power feeding	1 x 3V DC lithium battery (CR2032), included
Battery Life	6 months (with 2 measurements a day)
Size	302 x 302 x 17,5 mm
Weight	1,52 Kg (battery included)
Warranty	2 years
Shipping Carton	1
Code Number	BL 100001

## Sprint

Electronic scale for measurement, calculation and display of 6 different body parameters: 1) Weight | 2) Fat Mass  
 3) Body Hydration | 4) Bone Mass | 5) Muscle Mass | 6) Basal Metabolic Rate  
 Setting and records of values of up to 10 users.  
 Featuring 4 high quality and accuracy sensors.  
 Automatic reset, switch on and shutdown (within 10 seconds).  
 Low battery and overload indications.  
 Tempered BLACK GLASS platform.



### TECHNICAL FEATURES

Minimum / Maximum Capacity	3/180 Kg - 6,60/397 Lb
Interval Scale	100 g
LCD Display Size	92 x 82 mm
Power feeding	3 x 1.5V DC AAA-type battery (not included)
Battery Life	3,000 measurements or 6 months (with alkaline batteries)
Size	300 x 300 x 23,5 mm
Weight	1,56 Kg (without batteries)
Warranty	2 years
Shipping Carton	1
Code Number	BL 100002

## Bamby

Electronic scale for babies and infants.  
 With 4 high quality and accuracy sensors.  
 Button for ON/OFF and tare weight management.  
 Manual selection of weight unit.  
 Automatic reset and shutdown.  
 Low battery and overload indications.  
 ABS yellow platform.



### TECHNICAL FEATURES

Minimum / Maximum Capacity	0,5/20 Kg - 11/44 Lb
Interval Scale	5 g
LCD Display Size	72 x 28 mm
Power feeding	1 x 3V DC lithium battery (CR2032), included
Battery Life	3,000 measurements
Size	560 x 330 x 53 mm
Weight	4,5 Kg (with battery)
Warranty	2 years
Shipping Carton	2's
Code Number	BL 100003



Designed for breastfeeding mums, for travel or as a backup to electric breast pump, MANUAL MILK is a manual compact breast pump, easy to assemble and use. It's completely free of BPA and dishwasher safe for cleaning purposes. The petal type breast shield provides perfect fitting to the breast, as well as a "massage effect". Aspiration intensity can be adjusted in "delicate" or "intense" mode on the ergonomic handle and the extracted milk can be collected in its dedicated bottle with nipple and cover. MANUAL MILK comes with a universal adapter for use with other milk bottles.

#### STANDARD CONSUMABLES INCLUDED

- 1 x Silicone nipple shield
- 1 x Universal milk bottles adapter
- 1 x 140ml milk bottle with nipple and cover
- 1 x Spare valve

#### TECHNICAL FEATURES

Weight	430 g
Size	7.5 x 9 x 20 cm
Years of Warranty	2
Shipping Carton	24's

#### CODE

DC 600100 ————— MANUAL MILK





MAMY MILK is an electric breast pump for mother milk extraction by means of continuous low flow, through the silicone nipple shield for collection into the milk bottle, in order to avoid breast engorgement and provide convenient manual feeding when required. Aspiration can be adjusted to respect maternal breast sensibility and guarantee painless milk extraction.

## STANDARD CONSUMABLES INCLUDED

- 1x Silicone nipple shield
- 1x Support base
- 1x 140 ml milk bottle with nipple and protecting cap
- 1x Air tube
- 1x AC/DC power adapter (Input: 100-240V 50-60Hz 0,4A)
- 1x USB cable

## TECHNICAL FEATURES

Power Supply	6V --- by AC/DC adapter, input 100-240V 50-60Hz 0,4A (included with the unit)	
	5V --- 1A by USB cable (included with the unit) for connection to PC or power bank	
	6V --- by 4x alkaline batteries, type AA-1.5V (not included with the unit)	
Aspiration	Level	Aspiration power (kPa) Led colour
	1	-9 Green
	2	-11 Green
	3	-15 Green
	4	-20 Green
	5	-23 Blue
	6	-26 Blue
	7	-30 Blue
	8	-32 Blue
	9	-35 Orange
	10	-39 Orange
IP Code	IP22	
Weight	305 g (without batteries)	
Size	12.2 x 12.2 x 8.4 cm (base) / 7.5 x 9 x 20 cm (milk bottle)	
Years of Warranty	2	
Shipping Carton	12's	

## CODE

DC 650000 MAMY MILK

**CE 0123**



THERMOBABY is indicated for defrosting and warming milk and baby food quickly and evenly. Temperature can be set by user and maintained constant to keep food warm. THERMOBABY features a sterilization setting and is compatible with most of the feeding bottles and food jars available in the market.

#### STANDARD CONSUMABLES INCLUDED

- 1x food warmer with cover



#### TECHNICAL FEATURES

Power Source	220V 50Hz 220W by AC/DC adapter included (input: 100-240V 50-60Hz 0,4A)
Weight	510 g
Size	16 x 15 x 14,5 cm
Years of Warranty	2
Shipping Carton	12's

#### CODE

BW 100200 THERMOBABY





MUKY is an electric nasal aspirator for home use indicated for the removal by intermittent aspiration of nasal discharge and excessive mucus in babies and children aged 0 to 12. MUKY nasal aspirator is ergonomic designed and provided with two soft silicone tips, narrow and large that along with the collection cup can be easily separated from the base for washing and cleaning in running water. The correct use of MUKY nasal aspirator relieves from colds, flues and pathologies related to the respiratory system that cause annoying nasal discharge and may encourage bacteria proliferation in the nasal cavities, if not removed properly.

#### STANDARD CONSUMABLES INCLUDED

- 1x silicone narrow tip
- 1x silicone large tip
- 2x alkaline batteries

#### TECHNICAL FEATURES

Power Feeding	3V by 2x AA-1.5V alkaline batteries
Vacuum Pressure	400 mmHg (53.3 kPa)
Weight	g 136 (without batteries)
Size (Main Unit)	cm 5 x 9.3 x 17
Years of Warranty	2

#### CODE

DC 655000 ————— MUKY

**CE 0197**



#### INDICATIONS

##### IN MEDICAL FIELD

- DVT prevention
- Lymphatic drainage
- Wound recovery
- Edema relief
- Chronic venous insufficiency
- Primary and secondary lymphedema
- Post-thrombotic and post-thrombophlebitis syndrome

##### IN BEAUTY FIELD

- Leg slimming
- Weight loss
- Body shaping
- Anti cellulite

##### IN SPORTS FIELD

- Sports relaxation and recovery
- Sports injury healing
- Distortions

##### IN MASSAGE FIELD

- New air leg/arm massager

**BEAUTIFUL LEGS** is a device for pressotherapy, a medical and beauty treatment that promotes lymphatic drainage and restores circulation and venous activities, by using air pressure on different parts of the body. By alternating between compression and decompression, it effectively stimulates the lymphatic system. Provided with four chambers, each available accessory such as the double leg cuff, arm cuff and waist cuff inflate and deflate in sequence with the option of excluding some body areas. Pressure, duration and areas to be treated can be set on the dashboard.

#### STANDARD ACCESSORIES INCLUDED

- 1x Double Leg Cuff, cm 110 x 30 (code L-1002L)

OPTIONAL ACCESORIES (not included)	Length	Width
- W-1001      Waist cuff	120 cm	40 cm
- W-1001L     Waist cuff	145 cm	40 cm
- A-1001S     Arm cuff	70 cm	25 cm
- A-1001L     Arm cuff	90 cm	25 cm
- L-1001S     Leg cuff	90 cm	30 cm
- L-1001L     Leg cuff	110 cm	30 cm
- L-1001XL    Leg cuff	110 cm	38 cm
- L-1001XXL   Leg cuff	110 cm	48 cm

#### TECHNICAL FEATURES

Power feeding	220V / 50Hz
Power consumption	30W
Pressure range	10 different settings, from 20 to 250 mmHg
Treating time	10 or 20 or 30 min
Size	26 x 17 x 13 cm
Weight	2.5 kg
Years of warranty	2
Shipping Carton	2's

#### CODE

PT 1002 ————— BEAUTIFUL LEGS

**CE 0197**



**PREVENTION**  
*Soft, Medium and  
Strong massage  
for daily healthy legs*



**THERAPEUTIC**  
*Medical and  
anti-embolism stockings  
for therapy*



**ORTHO**  
*Orthopedic braces*

[www.kamilamedical.com](http://www.kamilamedical.com)

The Kàmila General Catalogue is available upon request, please contact CA-MI Export Team at [export@ca-mi.it](mailto:export@ca-mi.it)





STERIL is a germicidal lamp used to maintain the sterilization of surgical instruments in the aesthetical and ambulatory field. Available in 3 different models according to the requirements and manufactured in highly-resistance metal body.

#### TECHNICAL FEATURES

Model	STERIL
Alimentation	230V / 50Hz
Absorbed Power	<ul style="list-style-type: none"> <li>— Violet 8W: 10W</li> <li>— Violet 15W: 18W</li> <li>— Violet 30W: 35W</li> </ul>
Fuse	F 2 x 1A L 250V
Weight	<ul style="list-style-type: none"> <li>— Violet 8W: 4.60 kg</li> <li>— Violet 15W: 9.50 kg</li> <li>— Violet 30W: 12.00 kg</li> </ul>
Size	<ul style="list-style-type: none"> <li>— Violet 8W: 37x20x16(h) cm</li> <li>— Violet 15W: 49x27x20(h) cm</li> <li>— Violet 30W: 98x27x20(h) cm</li> </ul>
Shipping Carton	1
In compliance with	<ul style="list-style-type: none"> <li>— European Directive 2004/108/CE</li> <li>— 2006/95/CE</li> </ul>

#### CODE

DC 510000	8W without grill
DC 510000/05	8W with grill
DC 510010	15W without grill
DC 510010/005	15W with grill
DC 510020	30W without grill
DC 510020/01	30W with grill



## The new video-dermatoscope for image management of skin lesions

IRSkin is a professional dermatoscope for acquiring, managing, analyzing high resolution images with a dedicated high-tech software, addressed to dermatologists and departments committed in skin tumor management. IRSkin provides professionals with the following instruments:

- PC of Latest Generation
- Dual Medical 22" HD Monitors with 1920x1200
- Resolution and Adjustable Height
- 10 Mpx White-Led Camera with Magnification up to 100x by Optical Zoom
- Immersion and Polarized Light
- Wireless Camera for Total Body Scan
- Acquired Dermatoscopic Images (user-DB) Managed by MySQL
- Razor function and Segmentation (manual, semi-automatic, fully-automatic)
- 3 Different Automatically Generated PDF Medical Reports
- Import and Export of Patient Data
- Made in Italy by CA-MI srl

 MADE IN ITALY

The IRSkin Catalogue and more literature are available upon request, please contact CA-MI Export Team at [export@ca-mi.it](mailto:export@ca-mi.it)



# Italian Medical Touch

SURGICAL SUCTION UNITS

AEROSOL DELIVERY SYSTEMS

DIAGNOSTICS

WELLNESS | HOME-CARE