



PHYSIOTHERAPY NEBULIZERS - SUCTION PUMPS



micr**line**

Material médico e científico Lda

HEATING BLANKETS



28660

- 28660 HEATING UNDERBLANKET - single
- 28661 HEATING UNDERBLANKET - double

Electric underblankets made of non-woven fabric (polyester) with stamp welding manufacturing. They warm and relax the entire body, night and day. 3 temperature settings with level indicator. Double underblanket (28661) has 2 controllers. Detachable hand controller allows to wash the blanket. Overheating protection. Supplied with multilingual box and manual GB, FR, IT, DE, NL, PT, GR, SE, PL, RO, FI, CZ.

TECHNICAL SPECIFICATIONS

	28660	28661	28664
Size (cm):	150x80	160x140	160x120
Power consumption:	60 W	2x60 W	120 W
Voltage:	220-240 V		



28664

- 28664 HEATING OVER BLANKET

Electric over blanket made of soft micro plush provides warmth and comfort night and day. 3 temperature setting with LED indicator (0, 1, 2, 3). Automatic switch off after 3 hours. Detachable hand controller allows to wash the blanket. Fast heating and overheating protection. Supplied with multilingual box and manual GB, FR, IT, DE, NL, PT, GR, SE, PL, RO, FI, CZ.



28664

FOOT WARMER



28668

- 28668 FOOT WARMER WITH MASSAGE

Comfortable foot warmer made of super cozy fleece surface and liner. Two motor vibration. Two heat settings. High and low massage intensities. Removable and washable liner. Supplied with multilingual box and manual: GB, FR, IT, DE, NL, PT, GR, SE, PL, RO, FI, CZ.



TECHNICAL SPECIFICATIONS

Size:	30x30x24 cm
Power consump.:	18 W
Voltage:	220-240 V

HEATING PADS FOR MUSCLE AND PAIN RELIEFS



28670

- 28670 HEATING PAD WITHOUT COVER
- 28671 HEATING PAD WITH COVER

Super cozy fleece pads with or without cover. Temperature settings with level indicator: 3 settings (28670) or 6 (28671). Automatic switch off after 90 minutes. Detachable hand controller allows to wash the pad. Fast heating and overheating protection. Supplied with multilingual box and manual GB, FR, IT, DE, NL, PT, GR, SE, PL, RO, FI, CZ.



28671

TECHNICAL SPECIFICATIONS

Size:	40x30 cm (28670), 63x42 cm (28671),
Power consump.:	100 W
Voltage:	220-240 V



28670



28674

- 28674 NECK AND SHOULDER HEATING PAD

Heating pad for neck and shoulder made of micro plush surface. Individually adjustable by press stud. 3 temperature settings with level indicator. Automatic switch off after 90 minutes. Detachable hand controller allows to wash the pad. Fast heating and overheating protection. Supplied with multilingual box and manual: GB, FR, IT, DE, NL, PT, GR, SE, PL, RO, FI, CZ.

TECHNICAL SPECIFICATIONS

Size:	60x62 cm
Power consumption:	100 W
Voltage:	220-240 V



28674



28675

- 28675 WAIST WRAP HEATING PAD

Waist heating pad made of super cozy fleece surface with stamp welding manufacturing. 3 temperature settings with level indicator. Automatic switch off after 90 minutes. Detachable hand controller allows to wash the pad. Fast heating and overheating protection. Supplied with multilingual box and manual: GB, FR, IT, DE, NL, PT, GR, SE, PL, RO, FI, CZ.

TECHNICAL SPECIFICATIONS

Size:	29x69 cm
Power consumption:	100 W
Voltage:	220-240 V



28675

HOT-COLD GEL

Individually packed in single box



34114

- 34131 HOT-COLD THERMO GEL
- 34114 HOT-COLD THERMO GEL - box of 30 pcs.
Special gel keeps temperature (hot or cold) for long time. Size: 14x28 cm. Multilingual box and instructions: GB, FR, IT, ES, PT, DE, GR.

HOT WATER BOTTLES



Capacity 2,000 cc

28600

28601

- 28600 HOT WATER BOTTLE 2 l - British standard - blue
55% made of rubber.
- 28601 HOT WATER BOTTLE 2 l - red
25% made of rubber.
Both are two side ribbed.
Packed in plastic bag with multilingual user manual (GB, FR, IT, DE, ES, PT, GR).

ICE BAGS



Both made of polyester fabric + PVC.

Neck of bag: PP

Neck of bag: aluminium

28605

28606

- 28605 ICE BAG - Ø 28 cm - large top cap - light blue
Cap Ø: external 8.78 cm, internal 6 cm
Single packed in carton box, with multilingual manual (GB, FR, IT, PL, ES, PT, GR, Arabic).
- 28606 ICE BAG - Ø 28 cm - small top cap - blue
Cap Ø: external 7.15 cm, internal 4.7 cm
Transparent bag with multilingual manual (GB, FR, IT, DE, ES, PT, GR).

INFRARED THERAPY LAMP - 250 W

- 28652 INFRARED THERAPY LAMP - 250 W - desk with table clamp
- 28653 INFRARED THERAPY LAMP - 250 W - trolley

The infrared light relieves the suffering caused by sore muscles and joints ankylosis. The comfortable warmth created by infrared light penetrates deep into the skin, stimulates blood circulation and warms the muscles.

While the muscles are relieved, they automatically stretch and relax. At the same time, the blood circulation helps your body get rid of impurities and quickly sends oxygen-rich blood to stressed or aching muscles, causing an effective pain relief.

- 28654 SPARE BULB - 250 W



28652

28653

INFRARED LAMP

- 28646 MOMERT INFRARED LAMP 150 W

The lamp's deep penetrating infrared heat relaxes the muscles and stimulates the blood circulation.

The pleasant heat expands the capillary veins, resulting in a better oxygen and nutrition supply to the tissues. Can be used for rheumatic diseases, allergies, cold diseases, alternative medicine (detoxication), beauty care. Operating voltage: 230 V - 50 Hz.

- 28647 SPARE BULB - 150 W Philips



Multilingual manual and box (GB, IT, DE, HU, SK, HR, CZ, EE, PL, RU, RO).

I-TECH LA 500 LASER THERAPY

- 28410 I-TECH LA 500 LASER THERAPY

Laser therapy device equipped with a new probe with an emitting diode that allows beam laser application directly to the treatment area.

I-TECH LA 500 is able to stimulate deep tissues by promoting a rapid cellular regeneration thanks to 500 mW power output and 810 nm wavelength. Professional user can adjust power output, therapy time and operation mode (continuous or pulse). I-TECH LA 500 guarantees a fast intervention for the treatment of inflammatory and degenerative pathologies in orthopedic, neurologic and dermatologic area.

Thanks to its high performance healing time is significantly reduced. Supplied with probe, belts for probe fastening and safety glasses. Manual in: GB, IT, FR, ES, DE.



28410

LASER THERAPY

The laser therapy uses the effects of energy produced by the light source penetration into the tissues.

Biochemical reactions are activated across the cellular membrane. It has been observed that right doses of Laser light can stimulate cellular functions, in particular into the cells damaged by functional deficits.

The main effects of Laser therapy are:

- improved blood flow: capillary and artery vasodilatation that results in local heat increase
- biostimulation: accelerated tissues repair, stimulation of protein synthesis, ADP production, electrolyte changes in the intra- and extra-cellular fluids and mitosis of fibroblasts, increase of collagen and elastin
- anti-inflammatory effect
- anti-oedema effect: lymphatic drainage stimulation
- analgesic effect

TECHNICAL SPECIFICATIONS

- | | |
|--|--|
| Power supply: 230 V, 50-60 Hz, ±10% | Fixed width duration |
| Maximum laser output: 500 mW ± 20% | Continuous or pulse mode of operation |
| Adjustable laser power output: 0%-100% | Pointing red light |
| Laser diode wavelength: 810 nm | Diode probe (with reserved connection) |
| Beam divergence angle: 260 mrad | Adjustable therapy time: 0-30 minutes |
| Continuous output emission | Diameter of laser beam: <10 mm |
| Fixed emission frequency | Dimensions: 300x150x120 mm |

MAIN TREATMENTS

- Polyarthritis - Epicondylitis/Epitrochleitis - Knee pain - Myositis
- Oedema - Sciatalgy/Lumbago - Articular sprains - Chronic Tenosynovitis - Muscle strains - Overcharge pathologies - Ecchymosis - Bursitis - Degenerative arthritis - Adhesive capsulitis - Arthrosis pains - Post-traumatic disorders
- Scars - Rheumatic diseases

AIR COMPRESSION THERAPY SOLUTIONS

Human body has a peripheral circulation of blood and lymph. Air compression therapy is an automatic drainage and circulation system which helps patients to recover from their disease by improving blood and lymph circulation and metabolism. It consists of air chambers and an air pump offering air compression massage to legs, arms or waist.

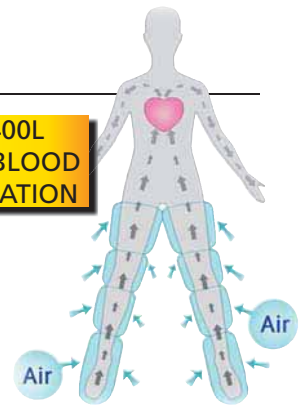
Medical indications (only 28441)

- DVT (Deep Vein Thrombosis)
- Lymph edema
- Post-paralytic
- Limb convulsion
- Phlebosclerosis
- Chronic venous insufficiency (CVI)
- Post-mastectomy
- Post-trauma
- Spinal cord injury
- Varicose veins
- Sciatica
- Diabetes
- Sprains
- Arterial insufficiency

Home care indications (only 28441)

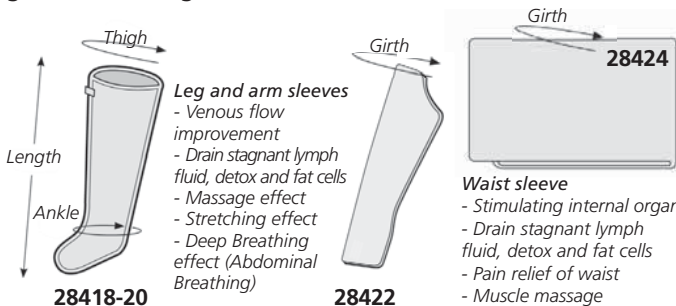
- Lymph edema
- Diseases caused by interrupted blood circulation
- Cellulitis fat dissolution
- Pregnant woman's limb treat.
- Numb feet or hands
- Cold feet or hands
- Settlement of stress
- Exercise effects
- Healthier body and elastic skin
- Old age, weakness and fatigue

MK400L HELPS BLOOD CIRCULATION



ANYCARE DIGITAL COMPRESSION MASSAGE

- 28415 ANYCARE DIGITAL COMPRESSION MASSAGE - LEG A
 - 28416 ANYCARE DIGITAL COMPRESSION MASSAGE - LEG B
- Pressure intensity and time can be adjusted according to user's needs. Individual chambers pressure testing. Portable and easy operation. For homecare use. Supplied with 2 legs A (74x62 cm) or B (79x75 cm) 4 chambers, 1 double hose and 2 plastic feet guides, multilingual manual (GB, FR, IT, ES).



ACCESSORIES FOR ANYCARE AND MAYLEA						
New*	Old**	LEG SLEEVES	Patient height	Thigh	Ankle	Length
28418	-	Leg sleeve A	160-170 cm	62 cm	41 cm	74 cm
28419	-	Leg sleeve B	170-180 cm	75 cm	43 cm	79 cm
28420	-	Leg sleeve C	> 180 cm	76 cm	46 cm	94 cm
ARM - WAIST SLEEVES				Girth	Length	
28422	28436	Arm sleeve		50 cm	88 cm	
28424	28437	Waist sleeve		122 cm	38 cm	
HOSES						
28426	-	Single hose to connect one sleeve				
28427	28440	Double hose to connect two sleeves				
28428	-	Distribution hose to connect three sleeves - needs 28426+28427				

*New sleeves can be used only with Anycare standard hose or codes 28426-8
 **Old sleeves can be used only with Maylea standard hose or 28440

MK400L PROFESSIONAL COMPRESSION SYSTEM

- 28441 MK400L PROFESSIONAL COMPRESSION SYSTEM with 2 legs (XL) and 2 single hoses
- MK400L is a professional air compression therapy system with essential functions for different kinds of patients. This system provides 3 compression modes (wave, squeezing, double squeezing), reverse compression settings, skip functions to select directly part to be pressurized and compression speed controller. Touch key pad display. Manual: GB, IT, ES.

TECHNICAL SPECIFICATIONS

- Pressure range: 10-200 mmHg
- Use time: 1-90 minutes
- Automatic pressure detection
- Body size: 415x310x160 mm
- Operating voltage: 220-240 V, 50/60 Hz, 50 VA
- Body weight: 6.5 kg

You can use 2 cuffs at the same time, MK400 has 2 connection plugs



PROFESSIONAL AIR COMPRESSION SYSTEM

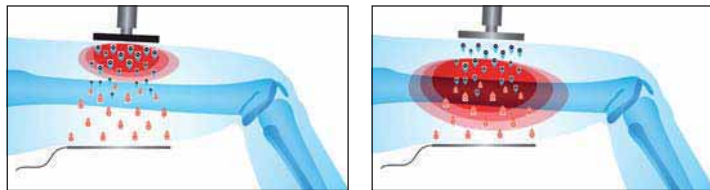
- 28442 LEG CUFF L - 6 CHAMBERS - optional
 - 28443 LEG CUFF XL - 6 CHAMBERS - spare
 - 28444 LEG EXTENSION ZIPPER XL - 10 cm extra extension for 28443
 - 28445 SINGLE HOSE - spare
 - 28446 ARM CUFF - 6 CHAMBERS - universal
 - 28447 WAIST CUFF - 6 CHAMBERS - min-max girth 94-125 cm
- A mode (Wave)**
 The selected air chamber inflates and deflates by one chamber sequentially from foot up to thigh.
- B mode (Squeezing)**
 After all the selected air chambers inflate sequentially from foot up to thigh the inflated chambers deflate at once.
- C mode (B mode two times + Reverse A mode 1 time)**
 The selected air chambers inflate and deflate by two chambers sequentially from foot up to thigh.
- Reverse setting:** it allows to change automatically the selected mode to reverse mode.

Cuff Size	Leg dimension (cm)						
	A	B	C	D	E	F	G
L	64,0	49,5	40,5	34,5	75,0	38,0	28,0
XL	73,5	55,0	42,0	35,5	85,0	43,0	31,0

CR200 - PROFESSIONAL TECAR THERAPY

• **28364 CR200 TECAR THERAPY with 2 probes**
 Diathermy, also known as TECAR Therapy (meaning Capacitive and Resistive Energy Transfer), is a therapy stimulating the physiological healing process by accelerating the recovery time of motor function. Diathermy stimulates tissues endogenous heat production through the interaction of electromagnetic field and tissue. The heat is increased in a uniform controlled way. The electromagnetic interaction results in an ionic flow and consequently increases blood flow in the treated area. This process stimulates endogenous substances release (in particular cortisol and endorphins) that are necessary to reduce inflammations, pain and edemas. The new CR200 resistive capacitive diathermy is a modern and highly performing device easy to use by professionals. Preset programmes help use the device from the start. Moreover the device can set parameters (power, time therapy, capacitive/resistive modes) according to therapeutic needs. It allows the memorization of customized programmes. In this way patient protocols are easily consulted by therapists at any time. Equipped with a wide graphic display showing therapy parameters and different working modes. Selectable software language (GB, IT, ES).

- **28361 RESISTIVE PROBE - spare**
- **28362 CAPACITIVE PROBE - spare**



Capacitive mode
 Electrode coated with ceramic material (mobile) and return plate (fixed). Indicated especially for soft tissues (muscle mass and lymphatic/vascular system). Benefits: specific intervention, easy control of the treated area.

Resistive mode
 Non isolated electrode (mobile) and return plate (fixed). Indicated especially for tissues with greater resistance (bones, joints, tendons, ligaments, cartilages). Benefits: high level of diathermy; chronic diseases with fibrosis and degeneration

STANDARD ACCESSORIES

- 2 multi-function probes for capacitive and resistive mode
- 2 electrodes Ø 35 mm (1 resistive + 1 capacitive) with 9.61 cm² effective working area
- 2 electrodes Ø 60 mm (1 resistive + 1 capacitive) with 28.26 cm² effective working area
- 2 integrated supports for probes
- 1 steel plate
- Bottle of conductive cream 1 kg
- Power supply cable
- User Manual: GB, IT (ES, FR on request)



MAIN TREATMENTS

- | | |
|---|--|
| Skeletal-muscle pathologies
Lymphedema | Acute and chronic pain
Osteoarticular pathologies |
| 24 REHAB PROGRAMMES
Phantom limb, knee arthrosis, arthrosynovitis, bursitis, neck pain, whiplash syndrome, chondropathy, muscle contracture, contusion, muscular sprain, sprain, muscle distraction, joint pain, edema, epicondylitis, epitrochleitis, anterior cruciate ligament, lymphedema, low back pain, meniscopathy, | muscle tear, acute tendinitis, chronic tendinitis, rotator cuff tendinopathy |
| | 10 SPORT PROGRAMMES
muscle contracture, contusion, muscle recovery, sprain, hematoma, tendon injury, superficial massage, deep massage, muscle sprain, muscle tear |
| | 10 FREE MEMORIES |

TECHNICAL SPECIFICATIONS

- Power supply: 100-240 V, 50/60 Hz
- Max power consumption: 160 W (100 ohm load)
- Carrier frequency: 500 kHz
- Adjustable power: 0-100%
- Touch screen graphic display 7"
- Preset programmes, free memories

CONDUCTIVE CREAMS

- **28345 DIATER CONDUCTIVE CREAM 1 l - neutral base**
- **28346 DIATER CONDUCTIVE CREAM 1 l - arnica**
- **28347 DIATER CONDUCTIVE CREAM 1 l - hyaluronic acid**

Essential, simple and effective conductive creams. Rich in active ingredients which are recognized in musculoskeletal therapies, in support of the functional recovery of athletes and in the aesthetic treatments of epidermis and dermis. Exceptional absorption and therapies enhancement keep the activity focused on the portion of treated tissue, with marked stability and effectiveness. Absence of parabens or petrolatum. **Neutral base conductive cream** moisturizes and protects tissue; suitable for mixes and cocktails. **Arnica Montana conductive cream** decongests and protects tissue. For acute and chronic inflammation of tissues or joints and Lipodystrophy. **Hyaluronic acid conductive cream** for hydro balancing of the tissues. Protective of cartilage and against phlogosis and tissue trauma spills. Treatment of scars, hypotonia and post-surgery outcomes. Suitable for passive mobilizations. Creams are preserved into thermo/photo protected PET containers with cap and undercap and dispenser. For professional use only in different fields: Physiotherapy, Physiatry, Plastic Surgeons, Aesthetics, Orthodermic therapy,

Athletic Preparation, Massage and Podiatry
 Label in: GB, IT, FR, ES.

- **28348 ADAPTOR CAP WITH DOSING PUMP**



MIO-SONIC ULTRASOUND THERAPY DEVICE - 9 PROGRAMS

• 28309 MIO-SONIC ULTRASOUND THERAPY

Innovative and high performance device both for home use and professional use. Suitable for muscle contractures and joints stiffness. It combines compactness and high performances in a small, light and easy to use applicator. The lightness and handiness allows a continuous use without any difficulty. Mio Sonic can be used for the following applications:

- pain therapy;
- sport injuries;
- aesthetic treatments.

Supplied with gel bottle, carrying and storage bag, medical power supply and multilingual manual: GB, FR, IT, ES. On request DE.



28309

TECHNICAL SPECIFICATIONS

9 programs;
 1 MHz ultrasound, maximum output power 6.4 W, maximum intensity 1.6 W/cm²;
 Collimated ultrasound beam for an optimal penetration beam;
 3 ultrasound beam intensity levels: 0,08 W/cm² (low) - 0,8 W/cm² (medium) - 1,6 W/cm² (high);
 Power supply: 100-240V, 50/60 Hz
 Direct contact device (not suitable for water immersion)
 Size-weight: 200x47x69 mm - 190 g

TREATMENTS

Osteoporosis	Periarthritis	Adhesions	Muscular contractures	Arms cavitation
Arthritis	Tendinitis	Algodystrophy	Cramps	Abdomen cavitation
Neuralgias	Pubalgy	Bursitis	Massage	Limb cavitation
Cervicalgias	Tallonitis	Brachialgy	Drainage	Gluteus cavitation
Sciatalgy	Contusions	Capsulitis	Modelling	Lumbalgy
Sprains	Chondropathy	Stretch marks	Carpal Tunnel	Hematoma
Cruralgy	Microlifting	Epycondilitis	Oedema	Acne
Wrinkles	Epitrochleitis	Lymphedema	Venous stagnation	Phonophoresis

I-TECH UT2 - PROFESSIONAL ULTRASOUND THERAPY



• 28358 I-TECH UT2 ULTRASOUND THERAPY - 2 probes
 Professional ultrasound device equipped with 2 handles respectively with 5 cm² and 1 cm² probe. Its equipment and parameters setting allow high performance suitable for professional users.

It is provided with 10 preset programmes within which professional user can adjust following parameters:

- Frequency (1 or 3 MHz)
- Effective intensity (up to 3 W/cm²)
- Duty cycle (10%÷100% stepping 10)
- Therapy time (up to 30 minutes)

TECHNICAL SPECIFICATIONS

Operating voltage: 100-240 V, 47/63 Hz, 1.35A, output 15V 3A max
 Ultrasound frequency: 1 MHz ± 10% and 3 MHz ± 10%
 Output power: 0.5-10 W ± 20% when duty cycle ≥ 80% for 5 cm² ultrasound head
 0.5-15 W ± 20% when duty cycle ≤ 70% for 5 cm² ultrasound head
 0.1-2 W ± 20% when duty cycle ≥ 80% for 1 cm² ultrasound head
 0.1-3 W ± 20% when duty cycle ≤ 70% for 1 cm² ultrasound head
 Max Power: 3 W/cm² ± 20% (1 MHz); 3 W/cm² ± 20% (3 MHz)
 Working frequency: 100 Hz
 Duty cycle: 10%-100% stepping 10%
 Maximum adjustable therapy time 30 minutes
 Effective radiating area 5 cm² ± 20%; 1 cm² ± 20%
 Collimated beam type Ultrasound head (material) aluminium
 Direct contact and water immersion use
 Led indicator Size: 250x185x82 mm

APPLICATIONS

Tendinitis - Bursitis/Capsulitis - Hematomas and tissue reconstruction -
 Muscle contractures/Cramps - Neuralgias - Periarthritis - Cervicalgias -
 Sciatalgy/Lumbalgy - Carpal tunnel syndrome - Epicondylitis/epitrochleitis -
 Contusions/sprains - Chondropathy - Massage - Arms/abdomen/legs/gluteus
 cavitation - Acne

STANDARD ACCESSORIES

- | | |
|---------------------------------------|--|
| 1 handle with 5 cm ² probe | 1 power supply 15 V, 3 A |
| 1 handle with 1 cm ² probe | 1 ultrasound gel |
| 1 power supply cable | User manual: GB, IT, ES, FR. DE on request |

IONO BASE PLUS - GALVANIC IONOPHORESIS

• 28306 IONO BASE - PLUS - 2 channels

Local administration of medicines by ionophoretics, electric osmosis and treatment of hyper hydrosis (sweating disease) and cellulitis. Current generator for hydro galvanization, aesthetic shaping and against cellulitis slight blemish.

Microprocessor controlled, with selection of parameters and internal programs. Simple and safe to use, although it maintains characteristics of a professional equipment.

• 28335 RUBBER ELECTRODES 50x50 mm - box of 10

• 28336 SPONGE BAGS for electrodes 50x50 mm - box of 10

TECHNICAL SPECIFICATIONS

Operating Voltage: 230 V - 50/60 Hz	Size: 138x68x193 mm
Absorbed Max Power: 10 VA	Max Output Current: 20 mA
Safety class: II BF - C € 93/42/EEC.	

Supplied with ABS case, velcro elastic bands, rubber conductive electrodes 80x120 mm and 50x50 mm and envelopes sponges for electrodes.
 MADE IN ITALY



28306

T-ONE COACH AND T-ONE MEDI SPORT - 4 CHANNELS ELECTROTHERAPY

• 28401 T-ONE COACH ELECTROTHERAPY - 4 channels
A high performant muscle stimulator designed to improve physical activity. Easy to use programs ideal device for not professional athletes and for sports lovers. It is not only a muscle stimulator equipment. It is supplied by TENS protocols for pain relief and injuries recovery.

• 28402 T-ONE MEDISPORT ELECTROTHERAPY - 4 channels
Professional equipment specifically designed for sport specialist users. Muscle stimulation specialized programs improve sport performance. It increases strength and helps recovery of sport injuries with specific treatment protocols.

Main features

- constant current generator (guarantee a constant current even when skin condition changes, it automatically stops in the event of accidental electrodes disconnection)
- 2+2 users programs
- backlight graphic colour display
- four independent channels (up to 8 connectable electrodes)
- compensated biphasic square wave: current quantity from positive pole to negative one is constant to avoid polarization effect;
- monophasic wave generator (only for iontophoresis programs)
- user feedback: the device recognizes patient connection
- soft-touch easy to use keyboard
- on-line 5 languages guide (GB, FR, IT, ES, DE) on display
- 4,8 V rechargeable battery pack
- personalized programs for man and woman
- maximum intensity 240 mApp, with 1 mA step regulation

- 28351 PRE GELLED ELECTRODES 40x40 cm with cable - box of 4
- 28373 PRE GELLED ELECTRODES 45x80 cm with cable - box of 4



Size: 150x90x35 mm

- 28403 Ni-Mh BATTERY 4.8 V 2300 mA for 28401, 28402 - spare
- 28395 T-ONE blue cable - spare
- 28396 T-ONE yellow cable - spare
- 28397 T-ONE red cable - spare
- 28398 T-ONE white cable - spare

STANDARD ACCESSORIES

4 connection cables (8 connectable electrodes)
Kit of pre-gelled self-adhesive electrodes (square, rectangular, round)
Iontophoresis kit: elastic belt, 2 silicone electrodes, 2 sponges, carrying bag (28402 only)
Internal Ni-Mh rechargeable battery pack and battery charger
Electrode position manual and user manual (GB, FR, IT, ES). On request DE, PT

BEAUTY	REHA	TENS	NEMS	MEM	2+2
18 programmes 28401 and 28402	10 programmes only 28402	16 programmes 28401 and 28402	14 programmes 28401 and 28402	Only 28402	28401 and 28402
Firming up Toning up Definition Modelling Microlifting Lipolysis abdomen Lipolysis thighs Lipolysis glutei and hips Lipolysis arms Tissue elasticity Capillarization Heaviness in legs Face Microlifting Handy Trode Breast Microlifting Handy Trode Décolleté Microlifting Handy Trode Face Wrinkles Handy Trode Forehead Wrinkles Handy Trode Collagen	Ionophoresis L Ionophoresis M Ionophoresis H MENS microcurrent Haematomas Oedema Tens sequential Tens Burst Atrophy prevention Atrophy	Tens rapid Tens endorphinic Tens max values Inflammatory Neck pain Backache/Sciatic pain Sprains/Bruises Vascularization Muscle relaxant Hand and wrist pain Plantar stimulation Epicondylitis Epitroclea Periarthritis Tens Burst Microcurrent	Warming up Resistance Resistance strength Basic strength Fast strength Explosive strength Deep capillarization Muscle recovery Agonist/Antagonist Sequential tonic contractions Sequential phasic contractions Muscle relaxant Deep massage EMS Only 28402 30' Resistance 30' Resistance strength 20' Basic strength 20' Fast strength 20' Explosive strength 20' Hypertrophy	Tens mem 1 Tens mem 2 Tens mem 3 Tens mem 4 Tens mem 5 NEMS mem 1 NEMS mem 2 NEMS mem 3 NEMS mem 4 NEMS mem 5 NEMS alternated NEMS alternated Battery test	Tens rapid Tens endorphinic Firming up Toning up Definition Modelling Microlifting Muscle relaxant Massage Capillarization Only 28402 Inflammatory Resistance, Resistance strength Basic strength, Fast strength Explosive strength, Hypertrophy Face Microlifting Handy Trode Breast Microlifting Handy Trode Décolleté Microlifting Handy Trode Face Wrinkles Handy Trode Forehead Wrinkles Handy Trode

GIMA UTC 2: COMBINED ULTRASOUND AND ELECTROTHERAPY UNIT

• 28301 GIMA UTC 2 AUTOMATIC
Programmable driver unit for ultrasound transducers with working frequencies from 1 up to 3 MHz together with 2 channels of electrotherapeutic current. UTC 2 delivers continuous or modulated ultrasound with programmable intensity and delivery time, suitable for thermo therapeutic deep treatment of different pathologic conditions. Transducer handpieces can be used under water. UTC 2 delivers Dyadinamic, Faradic, Galvanic, Impulsive, T.E.N.S. and Bipolar electrotherapeutical currents.

- high brightness graphic touchscreen display
- controls of unit by multifunction knob, keys or touchscreen
- wide range of preset protocols
- customized programmes
- multi frequency handpieces
- automatic identification of the connected accessory
- continuous or pulsed delivery
- sequence of treatment phases planning for each channel
- independent channels
- safety control blocks the output current in case of accidental disconnection of electrodes.

- 28302 1-3 MHz ULTRASOUND HEAD Ø 15 mm
- 28303 CONNECTING CABLE for electrotherapy - spare
- 28304 CLIP RUBBER ELECTRODES 120x80 mm - box of 12
- 28305 CLIP RUBBER ELECTRODES 45x60 mm - box of 12
- 28323 VELCRO ELASTIC BAND 100x8 cm - spare



6 language software: GB, FR, IT, ES, DE, PT.

TECHNICAL SPECIFICATIONS

Output frequency (MHz): 1.0 to 3.0
Max intensity (W/cmq): 3.0
ET channels: 2
Electrical input power (VA): 70
Max output direct current (mA): 30
Max output pulse current (mA): 70
Max output voltage (Vdc): 100
Power supply (Vac/Hz): 90-240 / 50-60

STANDARD ACCESSORIES

1-3 MHz ultrasound head Ø 35 mm
Connecting cable for electrotherapy 1-2 (28303)
4 rubber electrodes 120x80 mm; 4 rubber electrodes 45x60 mm
3 velcro elastic belt: 8x40, 8x60, 8x100 cm
Power cable 2 m

ORTHOMAG LOW FREQUENCY MAGNETOTHERAPY - 2 PROGRAMMES

- Osteogenesis
- Biostimulation
- Pain management

CE 0068



28298

• **28298 ORTHOMAG low frequency magnetotherapy kit**
A professional low frequency magnetotherapy (PEMF) device that can be used everywhere. Lightweight, comfortable and flexible, fitting your body shape. Battery powered for dynamic use or power socket for use at home or in the office. Orthomag includes 2 programmes (75 Hz and 50 Hz) indicated for bone tissue pathologies, joint diseases and pain management. Up to 25 Gauss per programme. Supplied with rechargeable lithium battery 3.7 V 900 mAh, wall mount charger (cable 1.5 m), universal flexible applicator (cable 1.5 m), test emission magnet, 2 elastic bands (S and L), carrying bag, manual (GB, FR, IT, ES).



In motion magnetotherapy

MAG 700 LOW FREQUENCY, HIGH INTENSITY MAGNETOTHERAPY

CE 0068



28296

• **28296 MAG 700 MAGNETOTHERAPY - 1 channel**

New portable magnetotherapy ideal for home therapy. MAG 700 offers a high level of professional performances and it's indicated for several pathologies. It allows comfortable home therapy through its basic accessories. MAG 700 has 7 pre-set programmes for the treatment of several pathologies, 3 programmes identified by the working frequency (from 5 to 20 Hertz) and an Autoscan programme with continuous frequency variation for the treatment of both hard and soft tissues at the same time. Possibility to adjust the magnetic field intensity for all programmes up to 70 Gauss.

Working frequencies are between 5 and 100 Hertz. Supplied with elastic therapeutic belt with 2 solenoids, power supply, carrying bag and manual (GB, FR, IT, ES). On request DE.



28296

11 PROGRAMMES		
7 pre-set programmes		3 working freq
Osteoarthritis		5 Hz
Osteoporosis		10 Hz
Arthritis		20 Hz
Fractures		Autoscan
Articular pain		Autoscan
Muscle pain		
Anti-inflammatory		

MT BASE: MAGNETOTHERAPY

• **28321 GIMA MT BASE PLUS - magnetotherapy**

Magneto Base Plus is an ELF low frequency magnetotherapeutic unit designed for domiciliary applications.

The most important effects of the magnetic fields are: Antiedemigen, Analgesic, Antiphlogistic, Regenerative. Applications in: traumatology, rheumatology, angiology, neurology, dermatology, endocrinology. The magnetic field produced is impulsive.

The internal generator produces square waveform electrical current with frequency varying from 10 to 99 Hz and impulse time varying so to obtain a field's intensity determined from 10 to 80 Gauss. Internal sound sensor of magnetic field and safety system in case of short-circuit.

Two transducers can be connected at the same time (the field produced by each transducer is half of the total).

• **28322 PLATE TRANSDUCER 70x120 mm - spare**

VELCRO ELASTIC BELTS see below



CE 0051

It is supplied with all accessories in a plastic case.

28321

MADE IN ITALY

TECHNICAL SPECIFICATIONS

Waveform:	square	Intensity of magnetic field:	80 Gauss (8mT)
Max. ratio emission/pause:	50%	Operating voltage:	230V/50-60 Hz
Selectable magnetic field:	from 10 to 80 Gauss	Size - weight:	193x138xh 68 mm - 1 kg
Selectable frequency:	from 10 to 99 Hz	Safety class:	II BF - Norms: EN60601-1 (CEI)

STANDARD ACCESSORIES

- Power cable
- 2 plate transducers 80 gauss - 120x70 mm
- 2 velcro elastic bands 60xh 8 cm and 100xh 8 cm
- ABS carrying case
- Manual (GB, IT)

UNIVERSAL ELASTIC BELTS FOR REUSABLE ELECTRODES

Elastic belts for reusable electrodes are easy to use and assure a very good seal. Made of synthetic fibres (nylon, elastomer and transparent nylon yarn) to avoid skin irritation in patients. Belts are available in 4 different lengths to match almost all kinds of reusable electrodes on the market.

GIMA Code	ELASTIC BELTS - blue
28330	Elastic belts - 40x8 cm
28331	Elastic belts - 60x8 cm
28332	Elastic belts - 80x8 cm
28323	Elastic belts - 100x8 cm



MAG 2000 LOW FREQUENCY, HIGH INTENSITY PEMF MAGNETOTHERAPY

CE 0068

Size:
180x110x50 mm



- 28300 MAG 2000 PEMF MAGNETOTHERAPY - 2 channels - 300 Gauss
- 28311 MAG 2000 PLUS PEMF MAGNETOTHERAPY - 2 channels - 400 Gauss

Ideal devices for domiciliary and professional magnetotherapy. **35 programmes: 20 pre-set programmes** for the treatment of several pathologies, **14 programmes identified by the working frequency** (from 1 to 100 Hertz) and an **Autoscan** programme with continuous frequency variation for the treatment of both hard and soft tissues at the same time.

MAG 2000 PLUS has also the possibility to store **10 user memories**, choosing the frequency up to 120 Hz, intensity and therapy time: a great possibility for the professional user who need to use a specific treatment for each patient. Possibility to set the intensity of magnetic field for all the programmes up to **300 Gauss (150 Gauss each channel)** for MAG 2000 or up to **400 Gauss (200 Gauss each channel)** for MAG 2000 Plus

to easily treat different body parts through elastic therapeutic belt with 3 solenoids.

Supplied with elastic therapeutic belt with 3 solenoids, couple of professional solenoids (28311 only), power supply, carrying bag and manual (GB, FR, IT, ES, DE).

- 28299 ELASTIC THERAPEUTIC BELT - green - spare
Belt with cable with 3 solenoids for low frequency treatments.
- 28316 COUPLE OF PROFESSIONAL SOLENOIDS
Couple of professional solenoids Ø 11 cm for high intensity therapy.



28311
Couple of professional solenoids

35 PROGRAMMES (28300) - 45 PROGRAMMES (28311)		14 working freq.+autoscan	
20 pre-set programmes		14 working freq.+autoscan	
Osteoporosis	Intercostal Contusion	1 Hz	50 Hz
Arthrosis	Lumbalgy	3 Hz	60 Hz
Arthritis	Lumbar pain	5 Hz	70 Hz
Cervical arthrosis	Shoulder arthrosis	10 Hz	80 Hz
Articular pain	Knee arthrosis	15 Hz	90 Hz
Cervicalgias	Periarthritis	20 Hz	100 Hz
Sprains	Coxarthrosis	30 Hz	Autoscan
Fractures	Muscular Atrophy	40 Hz	
Epicondylitis	Muscular contracture		
Epitrocleitis	Osteonecrosis		
		10 memories (28311 only)	

MAG 3000 LOW FREQUENCY, HIGH INTENSITY PEMF MAGNETOTHERAPY

CE 1936

Size:
180x110x50 mm



- 28314 MAG 3000 PEMF MAGNETOTHERAPY - 2 channels

MAG 3000 is a certified medical device for pulsed electromagnetic field magnetotherapy (PEMF). Suggested for the treatment of delayed union, osteoporosis, bone oedema, osteonecrosis, as well as ulcers and neuropathies.

Thanks to the high intensity of the magnetic field, it is also suitable for the treatment of bone fractures even in the presence of rigid bandages or plaster casts.

- two independent channels
 - colour display
 - magnetic field intensity up to 150 gauss per channel
 - frequency from 1 to 100 Hz
 - 41 programmes available
 - possibility to manage two treatments at the same time by setting different times and programmes (double user)
 - list of the last 10 programmes used
- For professional users (doctors, therapist, ...) and for in-home therapy.



28314

Operating power 110-240 V.

- 28315 ELASTIC THERAPEUTIC BELT - light blue - spare
Belt with cable with 3 solenoids for low frequency treatments.
- 28316 COUPLE OF PROFESSIONAL SOLENOIDS
Couple of professional solenoids Ø 11 cm for high intensity therapy.

STANDARD ACCESSORIES

3 solenoids belt applicator	Medical power supply
User manual (GB, FR, IT, ES)*	Magnet to verify therapy operation
Carrying bag	Three non-woven fabric strips 15x150 cm
*on request DE	

41 PROGRAMMES		
Osteoporosis	Knee arthrosis	Healing
Arthrosis	Scapulo humeral periarthritis	Cutaneous ulcers
Arthritis	Coxarthrosis	Discopathy
Cervical arthrosis	Muscular atrophy	Myalgia
Articular pain	Muscular treatment	Neuropathy
Cervicalgias	Osteonecrosis	Muscle strain
Chronic pain	Algodystrophy	Muscular cramp
Fractures	Cartilage lesion	Rizarthrosis
Epicondylitis	Ligament lesion	Impingement syndrome
Epitrocleitis	Bone cedema	Carpal Tunnel
Pseudoarthrosis	Tendinitis	Titanium prosthesis
Lumbalgy	Chondropathy	Rotator cuff
Lumbar pain	Antinflammatory	Tarsal Tunnel
Shoulder arthrosis	Whiplash syndrome	

OSTEOMAT: MATTRESS FOR LOW FREQUENCY MAGNETOTHERAPY TREATMENTS

- 28318 OSTEOMAT MATTRESS FOR MAGNETOTHERAPY

Osteomat is composed of 4 active sectors, containing 2 solenoids each, for a total of 8 professional solenoids.

The Osteomat is the ideal solution for total body treatment in a single session, thanks to easy-to-use mode and extreme flexibility.

The configuration of Osteomat stimulates the body areas (shoulders, column, pelvis) that are more affected by bone mass reduction.

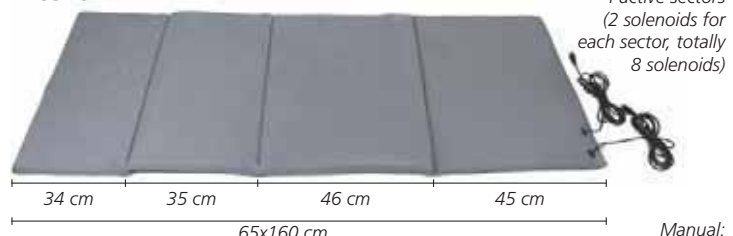
This is typical of osteoporosis pathology.

Suitable for MAG 2000, MAG 2000 PLUS, MAG 3000 and LaMagneto models.

Supplied with non-woven fabric cover (pack of 2 pieces).

Suggested for night therapy during sleep, day therapy in paralyzed patients, active patients that don't tolerate long treatments with therapeutic belt and prefer night therapy.

28318



4 active sectors
(2 solenoids for each sector, totally 8 solenoids)

Manual:
GB, FR, IT, ES

GIMA TENS/EMS/MASSAGE - 2 CHANNELS

• **28405 GIMA-CARE TENS - 60 medical programmes**
Dual channel multi-functional electrotherapeutic device generates electric stimulation to help easing aches and pain, muscle training and relaxation.

Easy to use, Gima-care has 2 pre-set treatment programmes with adjustable treatment time and 1 custom programme for each body part, allowing the user to adjust treatment time and pulse rate and width.

- 3 in 1 Tens + Ems + Massage
- professional tens waveform (variable pulse frequency and width)
- body part illustration
- 60 programmes (10 body parts, 40 levels)
- powerful output (max. 120 mA) (at 500 ohm load)
- solid and clear design.

Continuous operation for around 10 treatments if fully charged.

Supplied with 4 pads 50x50 mm, 2 output cables, 1 USB cable.

User manual (GB, FR, IT, ES, DE).

• **28408 REUSABLE GELLED ELECTRODES 50x50 mm - bag of 4**



60 PROGRAMMES



• **28406 GIMA-THER TENS - 36 medical programmes**
Gima-Ther is a dual channel stimulator with 3 basic functions: TENS, EMS and MASSAGE.

It has 36 programmes (18 TENS, 15 EMS and 3 Massage) and applies electric currents in the low-frequency range for therapy. It helps with blood circulation and to relieve chronic and postoperative pains. Recommended for muscle training and also for body building.

Electric impulses are transcutaneous and transmitted to nerves, muscle fibers or tissues through electrode. The intensity of the dual channel can be adjusted independently and can be applied individually to one body part.

Supplied with 4 pads 50x50 mm, 2 output cables, 4 AAA batteries and instruction manual (GB, FR, IT, ES, DE).

• **28408 REUSABLE GELLED ELECTRODES 50x50 mm - bag of 4**



36 PROGRAMMES



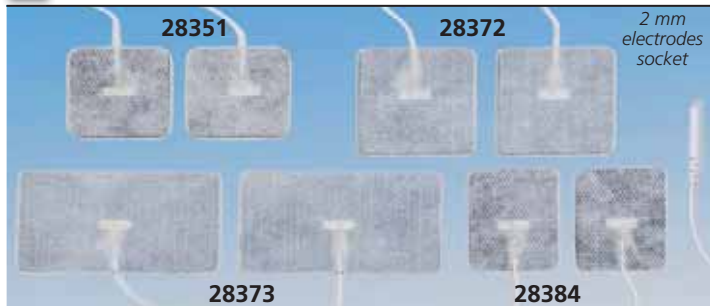
60 PROGRAMMES - TENS/EMS/MASSAGE	
TENS (Transcutaneous Electrical Nerve Stimulation)	
Body parts:	neck, shoulder, arm, hand, back, abd, hip, leg, foot, joint
Treating programme:	30 programmes, 10 adjustable programmes
EMS (Electrical Muscle Stimulation)	
Body parts:	neck, shoulder, arm, hand, back, abd, hip, leg, foot
Treating programme:	27 programmes, 9 adjustable programmes
MASSAGE	
Methods:	knead, rub, tap
Treating programme:	3 massage manipulations to all body parts

TECHNICAL SPECIFICATIONS	
Channel:	2
Waveform:	Bi-phase square-wave pulse
Output current:	Max. 120 mA (at 500 ohm load)
Output intensity:	0 to 40 levels, adjustable
Power supply:	3.7 V Li-ion rechargeable batteries
Display:	backlight white display
Dimension - Weight:	109x54.4x23 mm - 85g
Classification:	BF type applied part, internal power equipment, IP22
Norms:	IEC60601, IEC61000-4-2, IEC61000-4-4, IEC61000-4-5, IEC61000-4-11, IEC61000-4-8, IEC61000-4-3

36 PROGRAMMES - TENS/EMS/MASSAGE	
TENS (Transcutaneous Electrical Nerve Stimulation)	
Body parts:	shoulder, low back, joint, hip, arms, legs
Treating programme:	18 programmes
Treating time:	30 minutes
EMS (Electrical Muscle Stimulation)	
Body parts:	shoulder, back, limb and hip
Treating programme:	15 programmes
Treating time:	28, 30 and 32 minutes
MASSAGE	
Treating programme:	3 programmes
Treating time:	30 minutes

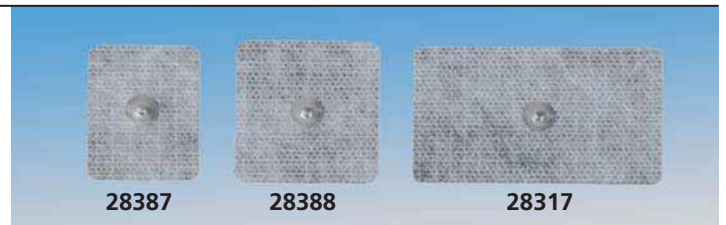
TECHNICAL SPECIFICATIONS	
Channel:	2
Waveform:	Bi-phase square-wave pulse
Output voltage:	Max. 120 Vpp (at 1000 ohm load)
Output current:	Max. 60 mA (at 1000 ohm load)
Output intensity:	0 to 60 levels, adjustable
Output characteristics:	Constant Current (CC)
Power supply:	6.0 V D.C., 4x AAA batteries 1.5 V
Display:	Large backlit LCD
Dimension - Weight:	120.5x69.5x27 mm - 104 g
Classification:	BF type applied part, internal power equipment, IP22
Norms:	IEC60601-1, IEC60601-1-2, IEC60601-1-11, IEC60601-2-10, IEC62304

DISPOSABLE GELLED ELECTRODES FOR ELECTROTHERAPY



DISPOSABLE GELLED ELECTRODES WITH CABLE - latex free
High material flexibility allows easy application of electrodes on treated areas. Solid gel maintains the electrode adhesion and conductivity unchanged during procedure. The electrodes are equipped with 10 cm long cable, with 2 mm socket.

- **28384 GELLED ELECTRODES with cable 45x35 mm - bag of 4**
- **28351 GELLED ELECTRODES with cable 40x40 mm - bag of 4**
- **28372 GELLED ELECTRODES with cable 46x47 mm - bag of 4**
- **28373 GELLED ELECTRODES with cable 45x80 mm - bag of 4**



DISPOSABLE GELLED ELECTRODES AND ADAPTORS - latex free
High material flexibility allows easy application of electrodes on treated areas. Solid gel maintains the electrode adhesion and conductivity unchanged during procedure.

- **28387 GELLED ELECTRODES 45x35 mm - bag of 4**
- **28388 GELLED ELECTRODES 46x47 mm - bag of 4**
- **28317 GELLED ELECTRODES 45x80 mm - bag of 4**
- **28390 2 mm CLIP ADAPTORS - black - box of 10**
- **28391 2 mm CLIP ADAPTORS - red - box of 10**
- **28392 4 mm CLIP ADAPTORS - black - box of 10**
- **28393 4 mm CLIP ADAPTORS - red - box of 10**



LATEX-FREE RESISTIVE EXERCISE BANDS

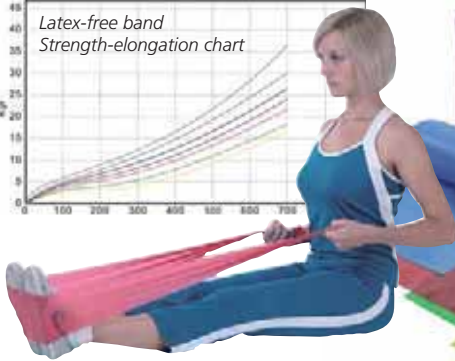
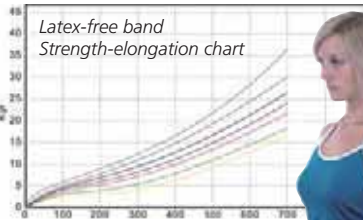
Latex-free bands available in 7 colour-coded levels of resistance and 3 lengths (1.5, 5.5 and 45 m). These reliable and effective bands are ideal to improve strength, range of motion.

Use of these bands for resistive exercise provides force on the muscles. Excellent for upper and lower body therapy.

Latex-Free Exercise Bands provide the same benefits as regular bands.



Latex-free exercise bands - 1.5 m



GIMA Code	LATEX FREE EXERCISE BANDS - 1.5 m	
47000	Latex-free band 1.5 m x 14 cm x 0.20 mm	●
47001	Latex-free band 1.5 m x 14 cm x 0.25 mm	●
47002	Latex-free band 1.5 m x 14 cm x 0.30 mm	●
47003	Latex-free band 1.5 m x 14 cm x 0.35 mm	●
47004	Latex-free band 1.5 m x 14 cm x 0.40 mm	●
47007	Set of 5 latex-free bands (1x5 levels) 1.5 m x 14 cm mix	
LATEX FREE BANDS - 5.5 m		
47010	Latex-free band 5.5 m x 14 cm x 0.20 mm	●
47011	Latex-free band 5.5 m x 14 cm x 0.25 mm	●
47012	Latex-free band 5.5 m x 14 cm x 0.30 mm	●
47013	Latex-free band 5.5 m x 14 cm x 0.35 mm	●
47014	Latex-free band 5.5 m x 14 cm x 0.40 mm	●
47015	Latex-free band 5.5 m x 14 cm x 0.50 mm	●
47016	Latex-free band 5.5 m x 14 cm x 0.60 mm	●
LATEX FREE BANDS - 45 m		
47020	Latex-free band 45 m x 14 cm x 0.20 mm	●
47021	Latex-free band 45 m x 14 cm x 0.25 mm	●
47022	Latex-free band 45 m x 14 cm x 0.30 mm	●
47023	Latex-free band 45 m x 14 cm x 0.35 mm	●
47024	Latex-free band 45 m x 14 cm x 0.40 mm	●



LATEX TONE LOOPS

• 47040 SET OF 4 TONE LOOPS

The closed-loop flat band fits comfortable around the upper and lower legs. It helps to exercise the muscles of hips and legs.

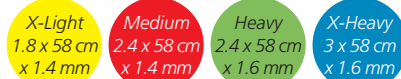
Set includes 4 below loops: each in a different colour-coded level.

Tone loop 18 mm x 58 cm x 1.4 mm

Tone loop 24 mm x 58 cm x 1.4 mm

Tone loop 24 mm x 58 cm x 1.6 mm

Tone loop 30 mm x 58 cm x 1.6 mm



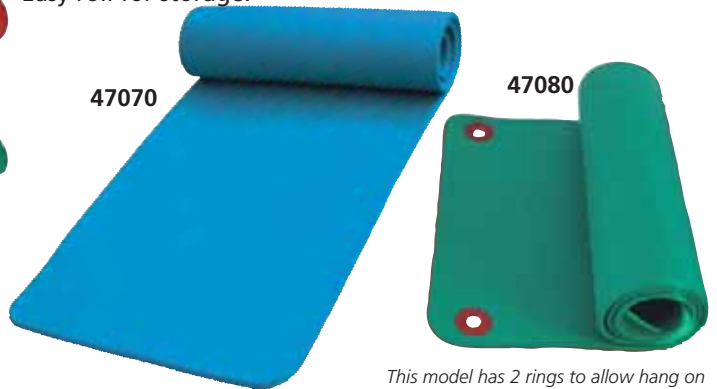
47040

EXERCISE MATS

• 47070 EXERCISE MAT 180x60xh 1.6 cm - light blue

• 47080 EXERCISE MAT WITH HANG RING - 180x60xh 1.6 cm - green

Thick mats with sponge-like foam structure offer comfortable feeling. The closed-cell foam structure resists moisture. Easy roll for storage.



This model has 2 rings to allow hang on the wall or on the rack

RESISTIVE EXERCISE TUBING

Tubing is an affordable and convenient training tool which provides effective upper and lower-body workout. Elastic properties for resistive and strengthening exercise.

Latex exercise tubing
47063



Available also with two pre-attached durable foam covered handles for comfort and grip. 5 colour-coded resistance levels available.



GIMA Code	LATEX EXERCISE TUBING	Thickness	Strength	Length
47060	Latex tube	1.5 mm	●	25 m
47061	Latex tube	2 mm	●	25 m
47062	Latex tube	2.5 mm	●	25 m
47063	Latex tube	3 mm	●	25 m
47064	Latex tube	3.5 mm	●	25 m

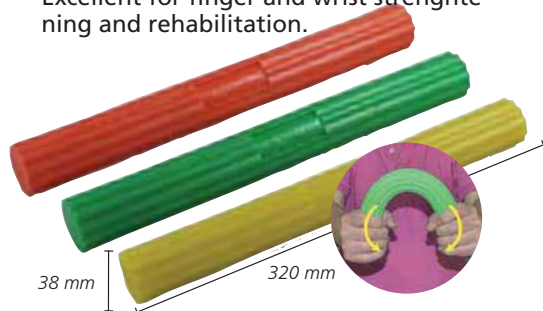
GIMA Code	LATEX TUBE WITH TPR HANDLES	Strength	Length
47050	Latex tube with TPR handles	●	125 cm
47051	Latex tube with TPR handles	●	125 cm
47052	Latex tube with TPR handles	●	125 cm
47053	Latex tube with TPR handles	●	125 cm
47054	Latex tube with TPR handles	●	125 cm

HAND/FINGER/WRIST EXERCISERS



Ø 36 cm

- 47130 GRIP TRAINER - X-light
 - 47131 GRIP TRAINER - light
 - 47132 GRIP TRAINER - medium
 - 47133 GRIP TRAINER - heavy
 - 47134 GRIP TRAINER - X-heavy
- Releases typing and mousing tension. Improves hand and finger flexibility. Excellent for finger and wrist strengthening and rehabilitation.



38 mm 320 mm

- 47170 TPR FLEX BAR - light
 - 47171 TPR FLEX BAR - medium
 - 47172 TPR FLEX BAR - heavy
- Flex bar is a flexible, durable resistance device with ridge surface for enhanced grip during use. It is used to improve grip strength by bending, twisting or vibrating.



- 47160 SET OF 3 FINGER EXERCISERS
- Unique design for rehabilitation, excellent stress-reliever for users. Simply insert fingers into circles and stretch. Multiple resistance level available, set of light, medium and heavy resistance.



- 47180 POWER GRIP - light
 - 47181 POWER GRIP - medium
 - 47182 POWER GRIP - heavy
- Develop finger flexibility, strength and coordination. Increase hand, wrist and forearm strength. Improve the injured finger recovery.



- 47140 SQUEEZE EGG - X-soft
 - 47141 SQUEEZE EGG - soft
 - 47142 SQUEEZE EGG - medium
 - 47143 SQUEEZE EGG - firm
 - 47144 SQUEEZE EGG - X-firm
- These TPE (Thermoplastic elastomers) eggs offer variable resistance training for hands and fingers. Help grip strengthening and reduce stress.



- 28790 HAND GRIP METER - plastic
- Indicator remains at maximum until reset and is calibrated 0-75 kg. Size 20x15 cm. Sold in a blister. Manual in: GB, FR, IT, ES.

BALANCE AND WEDGE CUSHION



47090

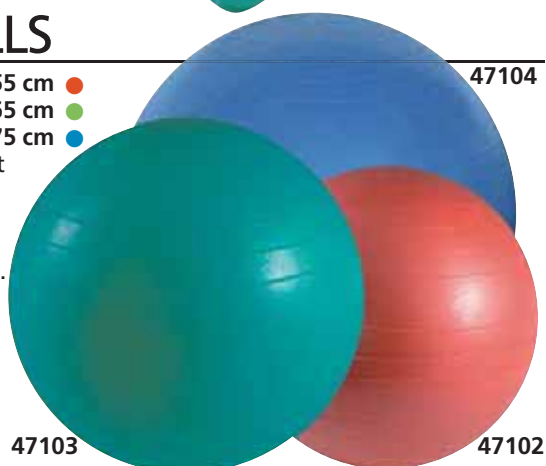


47095

- 47090 BALANCE CUSHION Ø 35 cm
 - 47095 WEDGE CUSHION
- Air filled cushions made of soft, pliable material. Both have two surfaces: smooth and bubbled which provide two kinds of user experience. Great for improving intramuscular coordination as well as balance training ergonomic sitting and rehabilitation. Maximum load: 136 kg (300 lb)

RESISTANT BALLS

- 47102 BURST RESISTANT BALL - Ø 55 cm
 - 47103 BURST RESISTANT BALL - Ø 65 cm
 - 47104 BURST RESISTANT BALL - Ø 75 cm
- Designed for dynamic workouts that incorporate moderate level of resistance. Deflate slowly if punctured. 136 kg (300 lb) burst resistance level.



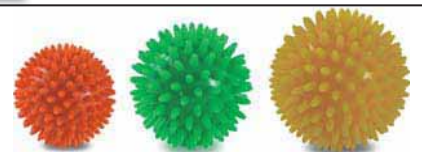
47104

136 kg burst resistance level

47103

47102

MASSAGE BALLS



- 47120 MASSAGE BALLS
- Set of 3 massage balls Ø 6, 7, 8 cm



NASAL WASH



28084

• **28084 SINUS A NASAL WASH - for adult - bottle 120 ml + 12 saline sachets**
Nasal wash helps to remove the sinus symptoms such as runny nose, nasal dryness and nasal congestion. By performing a nasal wash, you can remove particles such as pollen and dust in order to reduce the mucous membranes inflammation and make it more resistant to allergies.

HUMI-RAINBOW

Mist output can be adjusted in direction (360° rotative head) and speed (adjustable knob)



28070

• **28070 HUMI-RAINBOW HUMIDIFIER**
A cold-mist ultrasonic humidifier with an attractive design and cromatic 7-led colours change
• **28071 BALSAMIC ESSENCE - pine**
• **28072 BALSAMIC ESSENCE - citrus**



TECHNICAL SPECIFICATIONS

Power feeding: AC 110-240V / 50-60 Hz
Max mist output: 280 ml/h
Water Tank capacity: 2.8 l
Suitable for room size: min 10, max 25 m²
Max operating hours (non-stop): 10 hours
Size (individual box): Ø 19xh 30 cm - Weight: 1.4 kg

VAPINAL INHALER

Bottle not included



MADE IN ITALY

• **28110 VAPINAL THERMAL WATER INHALER**
Warm jet mineral water inhaler ideal for home spring water inhalation treatment. It delivers hot humid steam through a nozzle working with the Venturi system and mixing the steam with the principles of thermal water. Stainless steel boiler. Supplied with polycarbonate ampulla.
• **28112 VAPINAL AMPULLA - spare part**

TECHNICAL SPECIFICATIONS

Capacity: 800 ml
Steam boiler in stainless steel
Security valve and thermostat
Operating voltage: 230 V - 50 Hz - 600 Watt
Heating time: 5-8 min
Inhalation time (for 1 l): 12-15 min

MAMILAT BREAST PUMP

• **28148 MAMILAT - BREAST PUMP - 230 V - 50 Hz**
Easily transportable from one maternity ward to another, or for use at home. Made of highly heat-resistant, electrically insulated plastic material in conformity with the latest European safety standards. Working time: 20 minutes ON, 40 OFF. Suction adjustment knob. Supplied with 2 polycarbonate milk bottles (150 cc and 250 cc) antibacterial and hydrofobic filter, set of tubes 6x10 mm, breast shield, PVC air tube.
• **28229 HYDROPHOBIC ANTIBACTERIAL FILTER - spare**
• **28149 SPARE KIT**
Includes two plastic bottles (125 cc and 250 cc) nipple shield, filter and tubes.



5 languages manual: IT, GB, ES, FR, DE.

28149

TECHNICAL SPECIFICATIONS

Regulator for suction intensity: max suction -0.33 bar (-248 mmHg)
Operating voltage: 220-230 V - 50/60 Hz - available on request 110 V - 60 Hz
Max flow (air litres/min): 14 l/min
Power consumption: 184 VA
Size: 235x190x165 mm
Noise level: 63 dB
Weight: 2.2 kg
Norms: CEI 62-5 (IEC601-1). IP Protection Class: IP21

BREAST PUMPS

• **41700 MANUAL BREAST PUMP**
• **41701 SINGLE ELECTRIC BREAST PUMP**
Compact and lightweight breast pumps for efficient and discreet pumping. Easy to assemble, use and clean. Supplied with breast shield, nipple with cover, milk bottle with lid, multilingual box and manual (GB, FR, IT, ES, PT, DE).



CE 0197

All parts that touch breast milk are made without BPA, phthalate free

2 phase design, easy for stimulation and expression

10 vacuum levels

Soft and comfortable breast shield

Graduated bottle (ml/Oz)

41701

• **41706 BREAST MILK BOTTLE 150 ml with lid - set of 3 - spare**
• **41705 BREAST SHIELD + NIPPLE - spare**
• **41708 AC ADAPTER for 41701 - optional**

TECHNICAL SPECIFICATIONS

	41700	41701
Vacuum mmHg:	- 250	stimulate: - 60-130 expression: - 60-250
Weight:	159 g	265 g
Size mm:	205x186x90	129x129x55
Operation:	manual	4AA batteries not included or AC adapter (optional)



CE

41700

MESH NEBULIZER

• 28066 MESH NEBULIZER

Small, handy, lightweight nebulizer for the treatment of respiratory diseases such as acute inflammation, tracheitis, bronchitis, swelling and pain in throat. It can operate with 2xAA standard batteries or USB cable.

- maximize the benefits of medicine
 - portable, handheld design (117 mm height)
 - ultra-low noise, ultra-light only 104g
 - one-button operation for easy use
 - for adult and child: noiseless use and compact design allow to make inhalation even while children are sleeping.
- Supplied with adult and child mask, mouthpiece, 2xAA batteries, USB cable, carrying bag, multilingual manual and box (GB, IT, FR, ES, PT, DE).

- 28067 RESPIRATORY ACCESSORY KIT (adult and child mask, mouthpiece) - spare
- 28068 NEBULIZER HEAD - spare



28068

TECHNICAL SPECIFICATIONS

Power supply:	2xAA batteries or USB cable DC 5V
Ultrasonic frequency:	approximately 110kHz
Nebulizer rate:	≥0.25ml / min
Max. / min. liquid volume:	10ml / 0.5ml
MMAD	approximately 4µm
Nebulizing head life:	180 hours
Battery life:	60 minutes
Shutdown:	automatic without liquid
Safety level:	Type BF, Class II, IP 22



MYNEB NEBULIZER

• 28073 MYNEB NEBULIZER - piston

Compact, fast and silent nebulizer. Suitable for the treatment of the respiratory tract diseases, bronchial and asthmatic diseases, allergies.

Ideal for nebulizing any medicine, even oily ones such as cortisones essentials oils, and active ingredients with solid elements (suspensions). Supplied with carrying bag, fasterjet bulb, adult and pediatric mask, air tube, mouthpiece and nosepiece.

Multilingual box and manual: GB, FR, IT, ES, DE. Class IIa.

- 28093 FILTER - spare - box of 3



CE 0051

28073

MADE IN ITALY

COMPACT AND SILENT

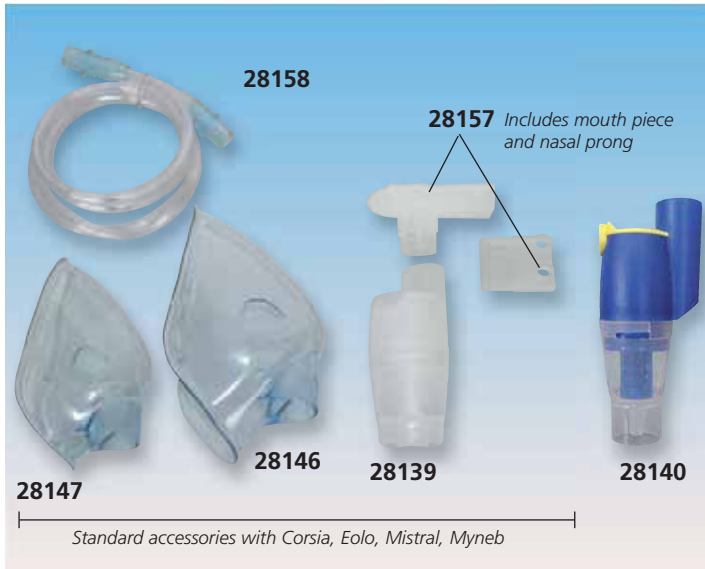
TECHNICAL SPECIFICATIONS

AC adapter:	input 100-240 V - 50/60 Hz - 0,6 A output 12 V - DC 2A
Operating cycle:	30/30 min. ON/OFF
Noise level:	51 dB
Nebulization rate:	0.45 ml/min with NaCl 0.9%
Air Flow:	12 l/min
Max pressure:	165 kPa/1.65 bar
Particle size:	75% < 5 µm (NaCl 0.9%)
Size and weight:	132x140x60 mm - 450 g

ACCESSORIES FOR ANY BRAND OF NEBULIZER

ACCESSORIES FOR NEBULIZER

Gima offers different nebulizer bulbs with their line of accessories, suitable for any brand of nebulizer.



FASTERJET BULB with Valve System

A new designed Jet Nebulizer capable of delivering any medication in a very short time with a high amount of respirable particles.

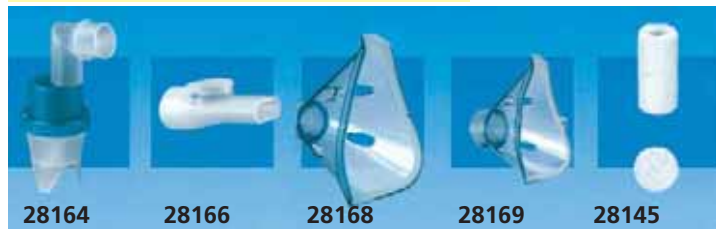
The Valve System makes therapy extremely efficient by reducing the amount of wasted medication while optimizing the output to the patient.

TECHNICAL SPECIFICATIONS FASTERJET

Capacity:	16 ml	Neb rate:	0.60 ml/min
Respirable volume:	<5 µm 80%		
Residual volume:	0.8 ml		
MMAD (Mass Median Aerodynamic Diameter):	2.7 µm		

Fasterjet bulb: For delivering any medication in a very short time

28163 + 28165



GIMA code	NEBULIZER ACCESSORIES	Compatible with
28163	Fasterjet bulb* with Valve System	all nebulizers
28164	Nebjet bulb** with Double Venturi Effect	all nebulizers
28165	Mouthpiece bi-valve	bulb 28163
28166	Mouthpiece	bulb 28164,
28167	Nasal Prong	bulb 28164, 28163
28168	Facemask-adult***	bulb 28164, 28163
28169	Facemask-pediatrics***	bulb 28164, 28163
28145	Filter - spare	28130/1/2/3/4/5

*Standard with Happyneb II, Hospyneb
**Without elastic

***Standard with Happyneb I, III, Betaneb

GIMA code	NEBULIZER ACCESSORIES	Compatible with
	Standard accessories with Myneb, Corsia, Eolo, Mistral	
28158	PVC connection tube - 1m	all nebulizers
28139	Nebulizer bulb	all nebulizers
28146	Facemask - adult*	bulb 28139/28140
28147	Facemask - paediatrics*	bulb 28139/28140
28157	Mouthpiece - nasal prong	bulb 28139/28140
28138	Nebulizer kit	all nebulizers
	adult and pediatric facemask, pvc-tube, bulb, nasal prong, mouthpiece	
28140	Nebulizer bulb	all nebulizers

*With elastic

HAPPYNEB NEBULIZERS FOR DOMESTIC USE - PISTON

• 28132 HAPPYNEB II NEBULIZER - piston 230V- Faster-Jet

• 28135 HAPPYNEB III NEBULIZER - piston 230V

Happyneb stylish and portable piston nebulizer for a quick and efficacious aerosol therapy.

Reliable, practical and safe.

Noiseless and lubrication free.

Unit includes an air filter to be replaced every 70 applications, and handle for easy carrying.

It is built in accordance with European Standard EN 60601-1.

5 languages box and manuals:

GB, FR, IT, ES, DE

• 28145 FILTER - spare



Faster-jet bulb
Nebulizing time: 1 cc
about 3 minutes



Nebjet bulb

28135



MADE IN ITALY

NEBULIZER TECHNICAL DATA

	Happyneb III with Nebjet	Happyneb II with Fasterjet
Capacity:	12 ml	16 ml
Respirable volume < 5 µm	75%	80%
MMAD (Mass Media Aerodynamic Diameter)	2.32 µm	2.7 µm
Neb rate	0.45 ml/min	0.60 ml/min
Residual volume	0.7 ml	0.7 ml

STANDARD ACCESSORIES

Adult and pediatric face mask	Mouthpiece
Nasal prong	Fasterjet bulb (28132 only)
Connection tubing	Nebjet bulb (28135 only)

TECHNICAL SPECIFICATIONS

	28132 - HAPPYNEB II	28135 - HAPPYNEB III
Voltage:	230V/50 Hz	
Maximum pressure:	280 kPa	250 kPa
Operating pressure:	110 kPa	90 kPa
Air flow:	15 l/min	14 l/min
Dimensions:	31x22x13 cm	
Weight:	2.3 kg	2 kg
Noise level	58 db	58 db
Temporary use:	Continuous use	30/30 min ON/OFF
Class of risk - norms	IIa - Class II, Type B	

ATOMIZER 2 SPEEDS, PISTON NEBULIZER FOR FAMILY USE

• 28094 ATOMIZER NEBULIZER - 2 speeds

Piston-type compressor with 2 speeds for family use.

With accessory compartment separated from cord compartment for improved hygiene.

• 28093 FILTER - spare - box of 3

TECHNICAL SPECIFICATIONS

Operating voltage:	230 V - 50 Hz
Operating cycle:	continuous
Operating pressure:	speed 1: 45 kPa - speed 2: 60 kPa
Air Flow:	speed 1: 8 l/min - speed 2: 11 l/min
Nebulization rate:	speed 1: 0.2 ml/min - speed 2: 0.35 ml/min
Particle size:	80% < 5 µm
Max pressure:	1.85 bar / 185 kPa
Weight:	1.4 kg
Noise level:	56 db
	Class of risk: IIa



Standard accessories

MADE IN ITALY

STANDARD ACCESSORIES

Nebjet bulb with connector
Adult and child mask
Mouth piece and nose piece
Air tube and 3 air filter



28094



Accessories compartment

EOLO NEBULIZER - PISTON



• 28097 EOLO NEBULIZER - piston

• 28091 EOLO NEBULIZER - piston - UK plug

Innovative, portable, easy to use nebulizer for home use, recommended to nebulize antibiotics and bronchodilator drugs. Plastic body with high thermal insulation. Supplied with adult and pediatric face mask, bulb, mouthpiece, air tubing, air filter.

Multilingual user manual and box (GB, FR, IT, DE, ES, PT, GR, PL*, Arabic*).
Warranty 2 years.

• 28095 FILTER - box of 20 pcs.

MADE IN ITALY

TECHNICAL SPECIFICATIONS

	28097 EOLO	28102 MISTRAL
Operating voltage:	230V - 50/60Hz - 170VA	230V - 50/60 Hz - 170VA
	110V or 60Hz on request	
Operating pressure:	1.1 bar	1.1 bar
Air flow:	14 l/min	14 l/min
Nebulization rate	0.4 ml/min	0.35 ml/min
Particle size	< 5 µm	< 5 µm
Max Pressure:	2.5 bar	2.5 bar
Dimensions:	22x14.5x12 cm - 1.7 kg	13x8.9x14.6 cm - 1.5 kg
Noise level (EN 13544-1)	55 db	60 db
Class of risk	IIa	IIa
Norms:	insulation class, Type B	insulation class, Type BF



28097

*Box only, not manual

MISTRAL NEBULIZER - PISTON

• 28102 MISTRAL NEBULIZER - piston

Compact portable nebulizer for home use.

Duty cycle: 20 min on / 40 min off.

Supplied with Hi Flo bulb, adult and pediatric mask with string, mouthpiece, nosepiece, air tubing and air filter.

Multilingual user manual and box: GB, FR, IT, ES, PT, DE.

• 28088 FILTER - box of 20

• 28103 CARRYING BAG - optional



28102

NEBULIZERS FOR PROFESSIONAL AND HOSPITAL USE



28089
Nasaljet is a quick effective nasal irrigation device for rinsing the nasal and rhino-pharyngeal cavities



28090

MADE IN ITALY

CONTINUOUS OPERATION

CE 0051



28134

Metal box

PROFESSIONAL NEBULIZERS

Piston compressor nebulizers for professional and home care use. They embody all the dictates of modern aerosol therapy techniques. Reliable and simple to use, also by inexperienced users. Manual: GB, FR, IT, DE, ES.

GIMA code	PROFESSIONAL NEBULIZER
28134	Hospyneb professional
28090	Comp-a neb professional
28089	Nasaljet
28176	Compressor - spare for 28134
28152	Connecting rod and crank group 3AC260 - spare for 28134
28153	Cylinder 3A1062 - spare for 24134, 28090
28145	Filter - spare

TECHNICAL SPECIFICATIONS		
	HOSPYNEB	COMP-A NEB
Operating voltage:	230 V - 50/60 Hz	230 V - 50 Hz
Size:	28x19xh 17 cm	19.6x35.7xh 18.5 cm
Max pressure:	350 kPa (3.5 bar)	250 kPa
Noise level:	60 dBA	55 dBA
Operating pressure:	0-130 kPa (0-1.3 bar)	0-110 kPa
Weight:	4.1 kg	2.5 kg
Air Flow:	15 l/min	
MDD class:	IIa	

STANDARD ACCESSORIES

Fasterjet nebulizer with valve system
Nosepiece irrigation (polypropylene)
Mouthpiece (polypropylene) with valve (silicone)
Adult and child mask (PVC DEHP free)
Air tube (PVC DEHP free) and spare filter.
Nasaljet (only with 28090).



• 28105 CORSIA PROFESSIONAL NEBULIZER - piston

• 28092 CORSIA PROFESSIONAL NEBULIZER - piston - without manometer

Piston-type compressor nebulizers designed for continuous use. High performance with any type of drug, ideal for intensive hospital and clinic use. Recommended for atomizing antibiotics and bronchodilator drugs. Manufactured with high thermal



28105

CE 0476

CONTINUOUS OPERATION

MADE IN ITALY

and electric insulation plastic chassis in accordance with the latest European Safety regulations. The oil-free piston compressor has long durability and is equipped with the highly efficient HI-FLO jet nebulizer to guarantee quick and accurate drug delivery. Easy to handle and transport.

- **28104 FILTER - spare - box of 2**
- **28217 2 PIN British plug - optional**
- **28143 ON/OFF SWITCH - spare**

TECHNICAL SPECIFICATIONS		
Operating Voltage:	220-230 V - 50/60 Hz - 184 VA	
Max pressure:	250 kPa (2.5 bar)	
Air flow:	16 l/min	
Operating pressure:	130 kPa (1.30 bar)	
Operating air flow:	5.2 l/min at 130 kPa	
Nebulization rate:	0.50 ml/min with 4 ml solution	
MMAD:	3.25 µm	GSD: 3.45
Size:	255x190xh 105 mm	Weight: 2.2 kg
Noise level:	approx 57 db	



28092

STANDARD ACCESSORIES

HI-FLO Jet bulb Mouthpiece Nose piece
Adult and child mask Air tube and air filter
Multilingual user manual and box: GB, FR, IT, ES, DE, PT, RO, RU*, PL*, GR*

*Box only

NEBULIZER FOR INTENSIVE HOSPITAL USE

• 28060 CLINEB PRO NEBULIZER - piston

High performing piston nebulizer for of any kind of drug, ideal for intensive hospital and clinical use. Structure made of a high thermal and electrical insulated plastic in accordance with safety European standards. Long life dry piston compressor and bulb with a valve system allow to adjust the nebulization speed. Class IIa - Insulation class (EN60601-1): Class II Type B.

- **28062 BULB - spare**
- **28063 FACE MASK - adult - spare**
- **28064 FACE MASK - pediatric - spare**
- **28217 2 PIN British plug - optional**
- **28143 ON/OFF SWITCH - spare**

STANDARD ACCESSORIES	
Bulb with valve	Mouthpiece
Nosepiece	Adult and child masks with adapter
Air tube	Multilingual manual: GB, FR, IT, ES, DE

CE 0123

28060

CONTINUOUS OPERATION

MADE IN ITALY

TECHNICAL SPECIFICATIONS	
Operating Voltage:	230 V - 50 Hz
Power consumption:	110 VA
Max pressure:	300 kPa (3.0 bar)
Air flow:	16 l/min
Operating pressure:	95 kPa (0.95 bar)
Operating air flow:	8.0 l/min
Size - Weight:	23x19xh25 cm - 2.2 kg
Noise level:	60 dBA



VEGA SUCTION UNITS, HIGH VACUUM, LOW AND HIGH FLOW



**HIGH VACUUM
HIGH FLOW**

MADE IN ITALY



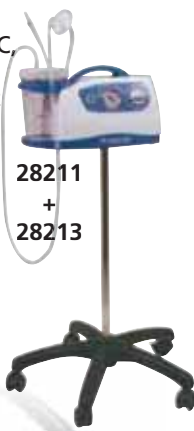
28211

28210

VEGA SUCTION UNITS

A line of stylish, compact and reliable aspirators for small surgery. Silent, high flow and maintenance - free pumps allow long product life and durability. Recommended for nasal aspiration, oral aspiration, tracheal aspiration of body liquids (mucus, catarrh or blood) in adults or children. Equipped with vacuum regulator continuously adjustable, vacuum indicator, unbreakable 1,000 ml or 2,000 ml Makrolon® jar, autoclavable at 121°C with safety float control valve to prevent overflow. Optional APEC® jar autoclavable at 143°C. Manufactured in electric and thermal insulated plastic body.

Flovac® autoclavable jars and disposable collection system: in addition to standard autoclavable jar, a disposable collection system is available, composed by a rigid reusable jar, a polyethylene disposable liner with hermetically sealed cover and hydrophobic, antireflux, antibacterial filter operating as an overflow valve.



28211 + 28213



28209

1 l polycarbonate autoclavable jar with overflow safety valve

28252 Adaptor to connect catheter to silicone tube

STANDARD ACCESSORIES

- Autoclavable jar (1 or 2 l) with overflow valve system
- Antibacterial and hydrophobic filter
- Set of silicone tubes 6x10 mm
- Conical connector for probes
- 6 languages user manual (GB, FR, IT, DE, ES, PT) **28229**



TECHNICAL SPECIFICATIONS

	28209 VEGA UNO	28210 VEGA	28205, 28211 SUPERVEGA
Operating Voltage:	220-230 V - 50/60 Hz 120-127 V - 60 Hz (on request)	220-230 V - 50/60 Hz 110 V - 60 Hz (on request)	220-230 V - 50/60 Hz or 110-127 V - 60 Hz
Power consumption:	184 VA	184 VA	110 VA
Bottle capacity:	1,000 ml	1,000 ml	1,000 ml or 2,000 ml
Flow (air litres/min):	15 l/min	16 l/min	40 l/min
Max suction:	-0.75 bar (563 mm/Hg)	-0.75 bar (563mm/Hg)	-0.80 bar (600mm/Hg)
Operating cycle:	continuous	continuous	continuous
Noise level:	59.6 dBA	60.5 dBA	60.5 dBA
Size - weight:	25x19x16.5 cm - 2.2 kg	35x21x18 cm - 2.5 kg	35x21x18 cm - 3.6 kg
Norms:	EN 60601-1-1, EN 60601-1-2, EN 60601-1-11, 93/42/EEC		

GIMA code	VEGA SUCTION ASPIRATOR	Operating power	Flow
28209	Vega Uno	220-230 V - 50/60 Hz	15 l/m
28210	Vega	220-230 V - 50/60 Hz	16 l/m
28211	Super Vega 1l	220-230 V - 50/60 Hz	40 l/m
28205	Super Vega 1l with footswitch*	220-230 V - 50/60 Hz	40 l/m
28212	Super Vega 2l	220-230 V - 50/60 Hz	40 l/m
28189	Super Vega 1l	110-127 V - 60 Hz	40 l/m

*With proximity: no touch ON/OFF function



GIMA code	SPARE ACCESSORIES FOR VEGA AND TOBI LINE
28229	Hydrophobic, antibacterial filter
28226	121°C autoclavable jar 1 l with cover and overflow system
28236	121°C autoclavable jar 2 l with cover and overflow system
28227	Cover and overflow valve system for 28226 and 28236
28185	143°C autoclavable jar 1 l with cover and overflow system
28186	143°C autoclavable jar 2 l with cover and overflow system
28184	Cover and overflow valve system for 28185 and 28186
28271	Flovac® disposable liner 1 l (cover + bag)
28268	Flovac® disposable liner 1 l (cover + bag) - box of 50
28270	Flovac® jar for disposable liner 1 l
28273	Flovac® disposable liner 2 l (cover + bag)
28269	Flovac® disposable liner 2 l (cover + bag) - box of 50
28272	Flovac® jar for disposable liner 2 l Ø 13 cm top, 9.5 cm bottom
25468	Silicone tube 6x10 mm - roll of 30 m
28252	Adaptor to connect catheter to silicone tube Suction catheter - see at page 51
28213	Trolley for Vega and Super Vega (not for Vega Uno)
28276	Vacuum indicator for Vega and Super Vega (not for Vega Uno)
28217	2 pin British plug - optional
28143	ON/OFF SWITCH - spare

PROFESSIONAL ASPIRATORS - HIGH VACUUM



CE 0051
EN ISO 10079-1
Class I
Type B

MADE IN ITALY

28280-1

28244-6

1 l Autoclavable Jar

ASPEED PROFESSIONAL SURGICAL ASPIRATORS

Piston-type continuous cycle electric aspirators give high performance and great durability. Equipped with a protective thermal cut-out relay. They require no maintenance or lubrication. A motor-protector cap totally prevents aspirated

liquids or secretions from reaching and damaging the vacuum pump. Ideal for clinical use.

GIMA code	ASPEED ASPIRATORS	Power	Pump	Case
28244	Aspeed 15 l	230 V	single	metal
28245	Aspeed 22 l	230 V	double	metal
28280	Aspeed 2 15 l	230 V	single	plastic
28281	Aspeed 2 22 l	230 V	double	plastic

GIMA code	ACCESSORIES AND SPARES FOR ASPEED
28255	Hydrophobic bacterial filter
28258	Autoclavable jar 1l with cover
28259	Disposable suction liner
25480	Silicone tube 6x12 mm - roll of 30 m
28254	Adaptor to connect catheter to silicone tube
28261	Adaptor kit to use jar 1l (28258) with ASPEED manufactured before 2007

STANDARD ACCESSORIES	
Autoclavable polycarbonate jar 1,000 cc with safety valve (overflow protection)	
Disposable suction liner 1 l	
Antibacterial hydrophobic filter	
Sterile disposable cannula	
Sterile manual flow regulator	
Set of atoxic sterilizable silicone tubes	
Power Cable	
User Manual: GB, FR, IT, DE, ES	

TECHNICAL SPECIFICATIONS				
ASPEED		ASPEED 2		
28244	28245	28280	28281	
Operating voltage: 230 V-50 Hz / 230 V - 50/60 Hz				
Bottle capacity: 1 l / 1 l / 1 l / 1 l				
High vacuum: high flow / high flow / low flow / high flow				
Air flow: 15 l/min / 22 l/min / 15 l/min / 22 l/min				
Adjustable vacuum level: 0 ÷ -0.85 bar (0 ÷ -85 kPa)				
Weight: 3.5 kg / 4.2 kg / 2.7 kg / 3.4 kg				
Case material: metal / plastic				
Noise level: 53 dBA / 63 dBA / 63 dBA / 63 dBA				



ASPEED 3.0 PROFESSIONAL SINGLE PUMP ASPIRATOR

- 28279 ASPEED 3.0 ASPIRATOR 16 l/min - 1 l
 - 28319 ASPEED 3.0 ASPIRATOR 16 l/min - 2 l
- Portable, compact reliable aspirator ideal for small surgery. Piston type continuous cycle electric medical device. High vacuum low flow. No maintenance or lubrication.

MADE IN ITALY

TECHNICAL SPECIFICATIONS	
Operating voltage:	230 V - 50 Hz
Power consumption:	max 150 VA
Bottle capacity:	1 l (28279) or 2 l (28319)
High vacuum:	low flow
Air flow:	16 l/min
Adjustable vacuum level:	0 ÷ -0.65 bar (0 ÷ -65 kPa)
Size:	300x170xh 260 mm
Weight:	2.3 kg
Noise level:	65 dBA
Operating cycle:	continuous
Class:	II
Type:	BF

STANDARD ACCESSORIES	
Autoclavable polycarbonate jar 1,000 cc or 2,000 cc with safety valve (28258 or 28294)	
Disposable liner 1 l (28259) only for 28258	
Antibacterial hydrophobic filter	
Sterile disposable cannula	
Sterile manual flow regulator	
Set of atoxic sterilizable silicone tubes	
Power Cable	
User Manual: GB, FR, IT, DE, ES	



GIMA code	ACCESSORIES AND SPARES FOR ASPEED
28255	Hydrophobic bacterial filter - spare
28258	Autoclavable jar 1 l with cover
28294	Autoclavable jar 2 l with cover
28259	Disposable suction liner 1 l - spare
25480	Silicone tube 6x12 mm - roll of 30 m
28254	Adaptor to connect catheter to silicone tube

SUPERVEGA BATTERY SUCTION ASPIRATORS

- 28243 SUPERVEGA BATTERY - plastic case - 16 l/min
- 28247 SUPERVEGA BATTERY WITH FOOTSWITCH - plastic case - 16 l/min
- 28190 SUPERVEGA BATTERY - plastic case - 36 l/min
- 28248 SUPERVEGA BATTERY WITH FOOTSWITCH - plastic case - 36 l/min

Professional, portable suction units for body, oral, nasal or tracheal liquids aspiration in adults or children. Supplied with three different operation options: AC/DC adapter, internal lead rechargeable battery and 12 V make it a versatile unit approved for NON-STOP operation without overheating. Visual and acoustic alarm indicating low battery level. Ergonomic handle ensures a comfortable and secure grip. Bottle with safety float control valve to prevent overflow.



TECHNICAL SPECIFICATIONS	
Suction power:	16 air l/min (28243), 36 air l/min (28190)
Max suction:	28243, 28247: -0.75 bar (563 mm/Hg), 28190, 28248: -0.80 bar (600 mm/Hg)
Operating Voltage:	100-240 V - 50/60 Hz
Battery autonomy:	approx 80 min (28243), 60 min (28190)
Recharging time:	240 minutes
Noise level:	63 dBA (28243), 65.5 dBA (28190)
Size - Weight:	350x210x180 mm - 3.5 kg (28243), 4.05 kg (28190)
Norms:	Class II Type BF EN 60601-1-1, EN 60601-1-2, EN 60601-1-11, 93/42 EEC



STANDARD ACCESSORIES
Bottle 1 l - autoclavable at 121°C
AC/DC universal adapter (100-240V - 50-60Hz)
Silicone tubing set
Anti-bacterial filter
Suction catheter
Cigarette lighter adaptor (12V 4A)
User manual (GB, IT, FR, DE, ES, GR, PL, RO, PT)

SUPERVEGA 118 AND EVO BATTERY SUCTION ASPIRATORS

- 28240 SUPERVEGA 118 AMBULANCE BATTERY ASPIRATOR
- 28241 SUPERVEGA 118 BATTERY ASPIRATOR
- 28182 SUPERVEGA EVO AMBULANCE BATTERY ASPIRATOR
- 28183 SUPERVEGA EVO BATTERY ASPIRATOR

Electric medical and portable devices for nasal, oral and tracheal aspiration of body fluids in children or adults. Two or three options of operation: by 100-240 V power feeding, 12 V car adapter (28183 and 28241 only) or internal rechargeable battery. Equipped with a long-life brushless motor eliminating smell and coal residuals. Large LCD (28182 and 28183 only) Clear reading of vacuum values along with soft keys for vacuum adjustment increase the accuracy of aspiration.

FEEDBACK system and RPM (28182 and 28183 only)

System controls and manages the power of aspiration, providing a long autonomy to the lightweight lithium-ion battery and quite noise level during operation. Built-in engine RPMs control with basic electronics.

PROXIMITY function: NO-TOUCH ON/OFF

It prevents and avoids cross-contamination in-between patients.

Various options of jars

Standard autoclavable (121°C) Makrolon® polycarbonate, optional FLOVAC® disposable liners or autoclavable (143°C) APEC® polycarbonate.

In compliance with EN 60601-1-11 (only 28183, 28241) for use in the home healthcare environment and carries IP22 degree protection. The ambulance wall bracket is 10g dynamically tested according to the EN 1789:2007 European norm (only 28182, 28240).



STANDARD ACCESSORIES	
Polycarbonate jar 1,000 ml with overflow valve system	
Silicone tube set with conical connector	
Universal power adaptor (100-240V - 50/60 Hz)	
12V car adapter (only 28183, 28241)	
Support bracket for ambulance 20x16x16 cm (only 28182, 28240)	
Antibacterial filter	Carrying bag (only 28182, 28240)
Suction catheter	User Manual GB, FR, IT, DE, ES

TECHNICAL SPECIFICATIONS	
Motor:	Oil-less and maintenance-free piston pump
Power:	Internal rechargeable Lithium battery (14.8 V - 5.2 A) - Autonomy 70 min Car-ambulance adapter (12 V - 4 A) - only 28183, 28241 AC/DC adapter 110-240 V, 50-60 Hz - only 28183, 28241 Recharge from support bracket - only 28182, 28240
Max vacuum (adjustable):	-0.75 Bar; -75 kPa; -563 mmHg
Max free air flow rate:	26 l/m (28182, 28183), 36 l/m (28240, 28241)
Size:	35x19x15 cm Weight: 2.7 kg
Duty cycle:	non stop operation (by mains or 12 V only)
Noise level min/max:	46.7/61.8 dBA (28182/83), 54.7/68.2 dBA (28240/41)

- PROXIMITY
- RPM FEEDBACK*
- LITHIUM BATTERY
- LCD DISPLAY*
- AUTOMATIC VACUUM CONTROL

*Only 28182, 28183



ACCESSORIES FOR SUPERVEGA, 118, EVO BATTERY ASPIRATORS

GIMA code	SPARE ACCESSORIES FOR SUPERVEGA, 118, EVO
28229	Hydrophobic, 99% antibacterial filter
28226	121°C autoclavable jar 1 l with cover and overflow system
28227	Cover and overflow valve system for 28226
28185	143°C autoclavable jar 1 l with cover and overflow system
28184	Cover and overflow valve system for 28185
28271	Flovac® disposable liner 1 l (cover + bag)
28268	Flovac® disposable liner 1 l (cover + bag) - box of 50
28270	Flovac® container for disposable liner 1 l

GIMA code	SPARE ACCESSORIES FOR SUPERVEGA, 118, EVO
25468	Silicone tube 6x10 mm - roll of 30 m
28252	Adaptor to connect catheter* to silicone tube
28242	Battery for SuperVega/Tobi (28243**/28240) - spare
28251	Battery for SuperVega (28190/28243***) - spare
28238	Li-Ion battery for SuperVega 118 and Evo - spare
28276	Vacuum indicator for SuperVega line (not for Evo)
28218	2 pin British plug - optional
28250	AC/DC adapter (100-240 V - 50-60 Hz) with cable

*Suction catheter - see at page 51 ** Up to S.N. 2141 (3 LEDs) *** Since S.N. 3000 (1 LED)

MINIASPEED BATTERY PRO SUCTION ASPIRATOR



- **28206 MINIASPEED BATTERY PRO - metal case - 30 l/min**
High vacuum portable medical device for professional surgical aspiration.
- it can operate at 12 V (car) power supply, rechargeable batteries or directly by mains supply
- its two cylinders electro-compressor ensure high performances and long life
- up to 45 min. of autonomy with fully charged battery
- with 99% antibacterial hydrophobic filter - equipped with autoclavable jar with safety valve, disposable suction liner and carrying bag.
- **28207 CARRYING BAG for MiniAspeed Pro and Plus - spare**

Disposable suction liner inside autoclavable jar



28206



TECHNICAL SPECIFICATIONS	
Operating Voltage:	100-240 V 50/60 Hz AC - 14 V DC 4.28 A
Size:	370x100x240 mm
Weight:	5.8 kg (include kit)
Max suction:	-0.85 bar
Suction power:	30 air l/min
Noise level:	65 dBA
Norms:	MDD 93/42/ECC (class IIa - annex IX) IEC 60601-1, UNI EN ISO 10079-1

STANDARD ACCESSORIES	
Autoclavable jar 1000 cc with safety valve	Anti-bacterial hydrophobic filter
Silicone tubing set Ø 6x12 mm	Multivoltage battery charger
Disposable suction liner	Cigarette lighter power cord.
Sterile cannula	Shoulder carrying bag
	User manual (GB and IT)

MINIASPEED BATTERY EVO PROFESSIONAL SUCTION ASPIRATORS

- **28282 MINIASPEED EVO BATTERY SUCTION - 1 l**
 - **28283 MINIASPEED EVO BATTERY SUCTION - 1 l for ambulance**
 - **28284 MINIASPEED EVO BATTERY SUCTION - 2 l**
 - **28278 MINIASPEED EVO BATTERY SUCTION - 2 l for ambulance**
- Professional portable high flow - high vacuum aspirators with integrated rechargeable batteries. It works at 12 V power supply with batteries or directly by mains supply, continuously at 110-230 V while recharging batteries.
Up to 45 minutes of autonomy with fully charged battery.

TECHNICAL SPECIFICATIONS	
Operating voltage:	with internal battery DC 12 V - 4 Ah with power supply 100÷240 V ~ 50/60 Hz - 14 VDC 4,28A
Power consumption:	max 50 W
Battery autonomy:	about 45 minutes, recharging time approx 6 hours
Size:	134x378xh 263 mm
Weight:	4.7 kg (5 kg version for ambulance)
Bottle capacity:	1,000 or 2,000 ml
Flow:	30 air litres/min
Noise level:	65 dBA at 1 m
Operating cycles:	continuous (45 min battery autonomy)
MAX vacuum:	0 ± 85 kPa
Norms:	MDD 93/42/EEC (Class IIa - annex IX) EN60601-1 (IEC 60601-1) / EN60601-1-2 (IEC 60601-1-2) UNI EN ISO 10079-1/ UNI CEI EN ISO 14971
Degree of protections against ingress of liquids:	IP34d (IEC 529) Class II - Type B



Wall bracket for ambulance with recharging system



STANDARD ACCESSORIES	
Autoclavable 1 or 2 l jar with safety valve	2 bacterial hydrophobic filters
Sterile disposable cannula CH14	User manual: GB, IT, FR, DE, ES
Sterile disposable manual regulator	Power supply cord - 2 m
Disposable silicone liner 1 l (28282-3 only)	Shoulder carrying bag
Wall bracket for ambulance (only 28278, 28283)	Multivoltage battery charger
Cigarette lighter power cord (28282, 28284 only)	Silicone tubing set Ø 6x12 mm

ACCESSORIES FOR MINIASPEED BATTERY PRO AND EVO

GIMA code	ACCESSORIES AND SPARES FOR MINIASPEED
25480	Silicone tube 6x12 mm - roll of 30 m
28257	Adaptor for catheter - box of 100
28258	Autoclavable jar 1,000 ml (with cover)
28259	Disposable suction liner 1 l for use with 28258
28294	Autoclavable jar 2,000 ml (with cover) for 28278, 28284

GIMA code	ACCESSORIES AND SPARES FOR MINIASPEED
28255	Hydrophobic 99% bacterial filter
28153	Cylinder 3A1062 - spare
28263	Battery
28256	Power supply with cable

SUPERVEGA SUCTION ASPIRATOR ON TROLLEY



- 28191 SUPERVEGA on trolley - suction 2x2 l jar
 - 28192 SUPERVEGA on trolley - suction 2x2 l jar with footswitch
- Continuously adjustable vacuum, with indicator. Silicone connection tube 8x14 mm. 2 jars 2 l, made of sterilizable polycarbonate (autoclavable at 121°C). Approved for NON-STOP operation without overheating. Suction power: 40 air litres/min. Steel painted frame, fitted with 5 star base.

TECHNICAL SPECIFICATIONS
 Size: 38x36xh 92 cm Weight 6.2 kg
 Operating voltage: 220-230 V - 50/60 Hz; other on request
 Power consumption: 110 VA
 Maximum suction: -0.80 bar (600 mm Hg)
 Flow: 40 air litres/minute
 Operating cycle: continuous
 Noise level: 61.5 dBA
 Norms EN 60601-1-1, EN 60601-1-2 - C €93/42 EEC - Class II - Type B



SUPERVEGA BATTERY SUCTION ASPIRATOR ON TROLLEY



- 28193 SUPERVEGA BATTERY on trolley - suction 2x2 l jar
 - 28197 SUPERVEGA BATTERY on trolley - suction 2x2 l jar with footswitch
- Professional portable suction unit for the aspiration of body liquids, oral, nasal and tracheal aspiration in adults or children. Suction power of 36 l/min. Double collection jars on a stand with five castors for easy transport. Two different working options: AC/DC adapter or rechargeable battery make it a versatile suction unit approved for NON-STOP operation without overheating. Visual and acoustic alarm indicating low battery level, vacuum-meter (bar & kPa) and vacuum regulator.

TECHNICAL SPECIFICATIONS
 Operating voltage: 100-240 V - 50/60 Hz
 Internal rechargeable Pb battery: 12V - 4A
 Battery autonomy: 60 min
 Recharging: 240 min
 Operating cycle: continuous with AC/DC
 Flow: 36 air litres/minute
 Noise level: 65.5 dBA
 Size - Weight: 32x30xh 99 cm - 7.9 kg

MADE IN ITALY
 Five antistatic wheels with brake
 User manual: GB, FR, DE, IT, ES



ACCESSORIES AND SPARES FOR CLINIC PLUS, HOSPI PLUS, SUPERVEGA ON TROLLEY



AUTOCLAVABLE JARS WITH OVERFLOW VALVE SYSTEM

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 100 or 200 ml intervals. Suitable for central vacuum systems and Gima suction units. Available in two types of polycarbonate, Makrolon® and Apec®.

GIMA code	AUTOCLAVABLE JARS	Compatible with
JARS IN MAKROLON® AUTOCLAVABLE UP TO 121°C		
28236	Jar 2 l with cover - Makrolon®	2 l aspirators 28236
28227	Cover for jar 2 l	28236
28228	Jar 4 l with cover - Makrolon®	4 or 5 l aspirators 28228
28223	Cover for jar 4 l	28228
28221	Jar 5 l with cover - Makrolon®	4 or 5 l aspirators 28221
28225	Cover for jar 5 l	28221
JARS IN APEC® AUTOCLAVABLE UP TO 143°C		
28186	Jar 2 l with cover - Apec®	2 l aspirators 28186
28184	Cover for jar 2 l	28186
28187	Jar 5 l with cover - Apec®	4 or 5 l aspirators 28187
28188	Cover for jar 5 l	28187
ANTIBACTERIAL, HYDROPHOBIC FILTERS		
28237	Hydrophobic, antibacterial filter	D, E
28239	Hydrophobic, antibacterial filter	A, B, C

FLOVAC® DISPOSABLE LINERS

Equipped with polyethylene disposable liner, hydrophobic filter, overflow system, reusable container with clear graduated scale in ml with 50 ml intervals.

GIMA code	FLOVAC® JARS AND DISPOSABLE LINERS	Compatible with
28272	Reusable jar for disposable liner 2 l	A, B, C, D, E (only 2 l)* 28272
28273	Disposable liner 2 l cover+bag	B, C, D, E (only 2 l)* 28274
28274	Reusable jar for disposable liner 3 l	
28275	Disposable liner 3 l cover+bag	
SPARES		
25482	Silicone tube 8x14 - roll of 30 m	A, B, C, D, E
28253	Adapter to connect catheter to silicone tube	25482
	Suction catheter see at page 51	28253
28276	Vacuum indicator Ø 50 mm - spare	A, B
28277	Vacuum indicator Ø 60 mm - spare	C, D, E
28265	Bottom base	C, E
28266	Bottom base	B
28267	Bottom base	D
28217	2 Pin British Plug - optional	All
28144	On/off button for 28118, 28159, 28161, 28191-2, 28194, 28196, 28199, 28200	

LEGEND: A: SuperVega on trolley, B: Clinic, C: Clinic Plus, D: Hospital, E: Hospi Plus

*Suitable also for MPR line using optional 2 l ring (28156)

HIGH VACUUM, HIGH FLOW HOSPITAL SUCTION ASPIRATORS



Size: 460x850x420 mm
Weight: 20 kg

CLINIC PLUS and HOSPI PLUS



Carrying handle
Compartment for accessories



2 antistatic castors and 2 with brake

MADE IN ITALY



MPR SYSTEM
Multi purpose rail

CLINIC PLUS and HOSPI PLUS MPR

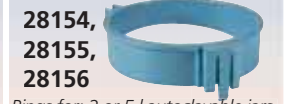
4 antistatic castors with brake



Customized Hospi Plus MPR with 1x2 l jar, 1x5 l jar and safety trap



28151
Multipurpose stainless steel rail for maximum versatility allows to hang any accessory. Suitable for MPR models only



28154, 28155, 28156
Rings for: 2 or 5 l autoclavable jars, 2 or 3 l Flovac

Designed for professional aspiration of bodily fluids, tissues or bones of patients during or after surgery. Oilless and maintenance free piston type pumps provide high performances. Excellent suction capacities and max vacuum built up within a few seconds. Available with vacuum gauge and autoclavable jars made of Makrolon® with 200 ml (2 l jar) or 500 ml (4 or 5 l jars) graduation optional 2-3 litres Flovac jars with disposable liners, not compatible with safety trap bottle.

Wide range of versions with different features

- 60 l/m (Clinic Plus) or 90 l/m (Hospi Plus) flow rate;
- 2, 4 or 5 l jars;

Membrane keyboard for 28119-20, 28160, 28162, 28195



Clinic Plus Basic and Hospi Plus Basic without foot switch and electronic flow direction regulator



Clinic Plus Full and Hospi Plus Full with foot switch and electronic flow direction regulator

- MPR system for versatility;
- footswitch and flow direction diverter.

High standards of safety in overflow protection system
Double security valve integrated in the jar and hydrophobic filter (all models), safety trap bottle (only MPR models).

MPR (Multi Purpose Rail) models
This system enhances the versatility for easy and quick exchange of different accessories, with no need for tools. Equipped with five connections for rings of various diameters to fit jars of different sizes and types (2l, 3l, 5l), cannula holders and safety trap bottle.



Multipurpose rail with 5 locking slots offers versatility to operators in changing accessories

Safety trap bottle

TECHNICAL SPECIFICATIONS		MAIN APPLICATIONS	
CLINIC PLUS	HOSPI PLUS		
Operating voltage:	230 V - 50/60 Hz or 110 V - 60 Hz	EMERGENCY DEPT.	
Maximum suction:	- 0.90 bar (675 mmHg)	GENERAL SURGERY	
Operating cycle:	continuous	GYNAECOLOGY	
Flow:	60 l/min	NEUROSURGERY	
Power:	230 VA	OBSTETRICS	
Noise level:	51.7 dBA	OPERATING THEATRE	
Norms:	EN 60601-1-1, EN 60601-1-2	DENTAL PRACTICE	
	93/42 EEC		

Voltage		SUCTION ASPIRATORS	Autoclavable Jars	Foot switch	Flow direction diverter*
230 V	110 V				
28194	28118	CLINIC Basic	2x2 l	-	-
28195	-	CLINIC Full	2x2 l	yes	yes
28196	-	CLINIC Basic	2x4 l	-	-
28198	28119**	CLINIC Full	2x4 l	yes	yes
28159	-	CLINIC Basic MPR	2x5 l	-	-
28160	-	CLINIC Full MPR	2x5 l	yes	yes
28200	-	HOSPI Basic	2x2 l	-	-
28203	-	HOSPI Full	2x2 l	yes	yes
28201	-	HOSPI Basic	2x4 l	-	-
28204	28120**	HOSPI Full	2x4 l	yes	yes
28161	-	HOSPI Basic MPR	2x5 l	-	-
28162	-	HOSPI Full MPR	2x5 l	yes	yes

*Allows to direct suctioned liquids to any of the 2 jars **with 2x5 l jars

	STANDARD ACCESSORIES CLINIC PLUS and HOSPI PLUS					
	Clinic Hospi basic	Clinic Hospi full	Clinic basic MPR	Clinic full MPR	Hospi basic MPR	Hospi full MPR
121°C autoclavable jar with overflow valve system (2, 4 or 5 l)	2	2	2	2	2	2
Rings to accommodate 5 l jars	-	-	2	2	2	2
Safety Trap Bottle (220 ml)	-	-	1	2	1	2
Antibacterial & Hydrophobic Filter (single-patient)	1	1	1	1	2	2
Autoclavable silicone tubes Ø 8x14 mm length 150 cm	1	1	1	1	2	2
Conical Connector Ø 10-11-12mm	1	1	1	1	2	2
Air suction inlet	1	1	1	1	2	2
Footswitch with intermittent or continuous operation	-	1	-	1	-	1
Change-Over System from jar to jar by soft-touch keys	-	1	-	1	-	1
Power Cord with Schuko plug	1	1	1	1	1	1
Multilingual manual: GB, FR, IT, ES ,DE, GR, PL, RO	1	1	1	1	1	1

GIMA code	ACCESSORIES FOR CLINIC/HOSPI PLUS MPR
28150	Safety trap bottle 220 ml with tube - spare
28151	Multipurpose stainless steel rail - optional
28154	Ring for 2 l autoclavable jar - optional
28155	Ring for 5 l autoclavable jar - spare
28156	Ring for 2 or 3 l Flovac jar - optional
MEMBRANE KEYBOARD - spare	
28170	Mem. Keyboard for 28198
28171	Mem. Keyboard for 28119-20, 28160, 28162, 28195
28172	Mem. Keyboard for 28203, 28204
JAR HOLDERS - spare	
28108	Jar holder 2 l* for 28194-5, 28118, 28200, 28203
28109	Ring adapter for 28108

*Needs 28109

MAXI ASPEED HIGH FLOW ASPIRATOR FOR HOSPITAL USE



28288
28291
28292

MADE IN ITALY

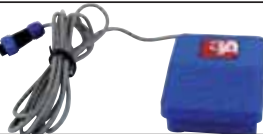


28285
28286
28289



Telescopic handle

Foot switch integrated with 28286, 28288, 28290, 28292



MAXI ASPEED SURGICAL ASPIRATORS

Surgical aspirators for aspiration of body liquids in operating theatres and hospitals.

Easy to carry

Equipped with 4 antistatic wheels with brake and carrying telescopic handle.

Developed to run continuously

Made of highly heat resistant, electrically insulated plastic material in conformity with latest European safety standards. Vacuum regulator with BAR/PSI vacuometer and automatic flow direction regulator to easily switch from a jar to the other. Supplied with 2 autoclavable polycarbonate jars with safety valve (overflow protection), set of atoxic sterilizable silicone tubes, antibacterial hydrophobic filters (2) and multilingual manual (GB, FR, IT, DE, ES).

GIMA code	MAXI ASPEED	Jar	Power	Foot switch	Flow direction diverter*
28285	Maxi Aspeed 60 l	2x2 l	230 V	-	yes
28286	Maxi Aspeed 60 l	2x2 l	230 V	yes	yes
28288	Maxi Aspeed 60 l	2x4 l	230 V	yes	yes
28289	Maxi Aspeed 90 l	2x2 l	230 V	-	yes
28290	Maxi Aspeed 90 l	2x2 l	230 V	yes	yes
28291	Maxi Aspeed 90 l	2x4 l	230 V	-	yes
28292	Maxi Aspeed 90 l	2x4 l	230 V	yes	yes

*Allows to direct suctioned liquids to any of the 2 jars

ACCESSORIES

28294	Autoclavable jar 2 l with safety valve	28297
28295	Autoclavable jar 4 l with safety valve	
28297	Hydrophobic antibacterial filter	
25482	Silicone tube - 8x14 mm - roll of 30 m	
28293	Pre-cut silicone tube 8x14 - 1.3 m	
28253	Adapter to connect catheter to silicone tube - spare Suction catheter see page 51	

TECHNICAL SPECIFICATIONS			
Operating voltage:	230 V - 50/60 Hz	Noise level:	50-60 dBA
Air flow:	60 or 90 l/min	Size:	470x580x560 mm
Operating cycle:	continuous	Weight:	15 kg (60 l), 17 kg (90 l)
Adjustable vacuum level:	0-0.90 bar (0-90 kPa)	MDD class:	Ila

MEDICAL GRADE SILICONE TUBES FOR EXTERNAL USE



MADE IN SPAIN

SILICONE TUBES for external medical use - silicone 100%
Suitable for autoclaving (135°C - 2.2-2.5 bar) and Gamma Sterilization. Resistant to hot air up to 200°C. Infra-red vulcanization. Hours treatment at 200°C temperature in special oven. Anti-adherent, avoid incrustation and coagulation. Medical Grade - Transparent - Odourless

TECHNICAL SPECIFICATIONS			
Raw material:	HTV-R-401/60 S - WACKER (D)	Colour:	translucent
Hardness:	60° ±5% Shore - DIN 53505	Density:	1.17 g/ccm - DIN 53479A
Tensility:	10.8 N/mm ² - DIN 53504 S1	Stretch:	490/530% - DIN 53504S1
Tear resistance:	34-35 N/mm - ASTM D 624 B		
Reverse pull elasticity:	51% - DIN 53512		
Compression set:	(22h/175°C): 30-15% - DIN 53517		

Made in European Union according to: US PHARMACOPOEIA XXI
EUROPEAN PHARMACOPEA DIN 58367 - DIN 58362 - DIN 13098- FDA 177.2600 - BGA XV part A and B - BGA IX part B

GIMA code	Internal diameter x external diameter	Thickness mm	Minimum order
25450	1x3 mm	1 mm	roll of 100 m
25451	2x4 mm	1 mm	roll of 100 m
25452	3x5 mm	1 mm	roll of 100 m
25453	4x6 mm	1 mm	roll of 100 m
25455	6x8 mm	1 mm	roll of 30 m
25458	3x6 mm	1.5 mm	roll of 30 m
25459	4x7 mm	1.5 mm	roll of 30 m
25460	5x8 mm	1.5 mm	roll of 30 m
25461	6x9 mm	1.5 mm	roll of 30 m
25462	7x10 mm	1.5 mm	roll of 30 m
25466	4x8 mm	2 mm	roll of 30 m
25467	5x9 mm	2 mm	roll of 30 m
25468	6x10 mm	2 mm	roll of 30 m
25469	8x12 mm	2 mm	roll of 30 m
25470	10x14 mm	2 mm	roll of 30 m
25474	5x10 mm	2.5 mm	roll of 30 m
25475	7x12 mm	2.5 mm	roll of 30 m
25476	8x13 mm	2.5 mm	roll of 30 m
25477	10x15 mm	2.5 mm	roll of 30 m
25480	6x12 mm	3 mm	roll of 30 m
25481	7x13 mm	3 mm	roll of 30 m
25482	8x14 mm	3 mm	roll of 30 m
25483	9x15 mm	3 mm	roll of 30 m
25484	10x16 mm	3 mm	roll of 30 m
25485	12x18 mm	3 mm	roll of 30 m
25488	8x15 mm	3.5 mm	roll of 30 m
25491	10x20 mm	5 mm	roll of 30 m
25495		made to order	500 m

MADE TO ORDER SILICONE TUBES*
We can manufacture any size (minimum order 500 m)

*delivery 30 days

GELID COAGULATIVE POWDER

• 28141 GELID COAGULATIVE POWDER 50 g - box of 25

Super absorbent polymer powder used to turn infected medical liquid waste into a gel-like substance. Mixed with liquid waste, it solidifies and reduces the risk associated with spills of organic liquids. 50 g of product have an absorption capacity of 3000 ml. It can be used for surgical and bronchial suction system (canister or bags); canister for laboratory's liquid; dialysis liquid...
Material: sodium polyacrylate cross-linked. Packed in aluminum pouch.



28141



HAND SUCTION PUMP

• 28131 SINGLE PATIENT HAND SUCTION PUMP - sterile

Light and portable manual suction unit operated by one hand only to let the other hand free for important duties. Simple operation. Adjustable stroke knob provides different suction pressures.



Supplied with 550 mmHg handle, 300 ml canister, child and adult catheter
Multilingual manual
28131
(GB, FR, IT, ES, PT, DE)

TECHNICAL SPECIFICATIONS

Vacuum after 1 min at 20kPa vacuum:	≥ 15 kPa
Vacuum after 6 times suction:	≥ 20 kPa
Max. vacuum:	≥ 39.9 kPa
Disposable container volume:	300 ml
External cap:	Ø 17 mm
External catheter connection:	Ø 17 and 9 mm
Stroke adjustment:	turn to 50% or 100%
Size - weight:	52x42x44 cm - 230 g

GIMA MANUAL SUCTION PUMP

• 28125 GIMA MANUAL SUCTION PUMP with adult/child catheter

Lightweight and compact aspirator to remove fluids from respiratory tracts or from the respiration support system and infective material from wounds.

- one hand operation
- reusable pump, disposable kit
- built-in integrated protection
- adjustable vacuum level for adult and child
- HEPA type microbial filter prevents contamination of the pump.

Class I Medical Device according to Regulation 2017/745/UE.

Supplied with disposable canister with filter, child and adult suction tube, adaptor and multilingual manual (GB, FR, IT, ES, PT, DE, PL, GR, RO, HU, HR).

- 28127 ADULT KIT - spare
- 28130 PEDIATRIC KIT - spare

Kits include canister with microbial filter, adult or pediatric suction tube and adaptor.



Adjustable vacuum pump
Overflow Protection Protects the pump from contamination
Valve Prevents reverse flow to the patient

CE 0197 **28125**

TECHNICAL SPECIFICATIONS

Max vacuum:	450 mmHg	Material:	PE, PVC
Airflow:	>20 l/min	Size:	180x220x80 mm
Container capacity:	300 ml	Weight:	275 g

SPENCER JET 300D

• 28177 JET COMPACT PORTABLE SUCTION UNIT

Extremely compact suction device to remove fluids from the airway or respiratory system support. The negative pressure draws fluids through disposable tubing that is connected to the collection container. Easy view of the setted vacuum thanks to the LED indicators.

Classification ISO: high vacuum / high flow.

Supplied with power cable, battery, disposable container with filter, disposable patient tube, manual GB, IT.

• 28178 DISPOSABLE CONTAINER 300 ml with filter

• 28179 POWER ADAPTER

MADE IN ITALY

Class IIa Medical Device according to Dir. 93/42/CEE



28177

CE 0434

TECHNICAL SPECIFICATIONS

Size - Weight:	245x70x185 mm - 1.60 kg	IP grade	IP 12
Vacuum range:	from 50 to 550 mmHg	Battery:	12 V DC Ni-MH
Flow (free flow):	32 l/min	Battery operative time:	30 min ON, 30 min OFF
Noise level:	70 dB	Battery recharging time:	5 h
Electrical connector	100-240 VAC 47-63 Hz	Container capacity:	300 ml
Requirement:	0.75 A max: 12 VDC	Patient tube length:	1 m

HAND/FOOT/KNEE SUCTION PUMP

• 28220 TOBI MANUALE - manual suction aspirator

Tobi Manuale is simple to operate pressing pedal by foot, hand or knee. It is used to clear patient's airways safely and efficiently, anytime, anywhere.

Precision and solidly built to assure long service life.

Polycarbonate suction bottle with capacity 0.4 l, autoclavable at 121°C and spill-over protection. Bacterial filter included.

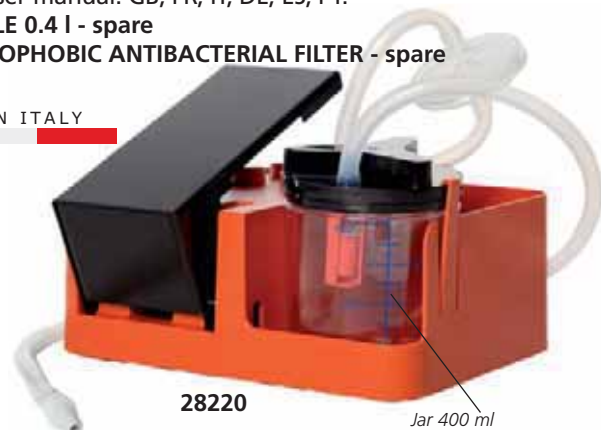
Multilingual user manual: GB, FR, IT, DE, ES, PT.

• 28219 BOTTLE 0.4 l - spare

• 28229 HYDROPHOBIC ANTIBACTERIAL FILTER - spare

MADE IN ITALY

CE 0476



28220

Jar 400 ml

TECHNICAL SPECIFICATIONS

Weight:	1.15 kg	Max suction	-0.40 bar	Bottle capacity:	0.4 l
Size:	225x165x85 mm	Suction power:	22 l/min		

ACCESSORIES FOR ASPIRATORS



28260

GIMA code STAINLESS STEEL OR BRASS C/P ASPIRATION TUBES

28262	S/S Bierer Aspiration tube Ø 8 mm		28262, 28264
28264	S/S Bierer Aspiration tube Ø 12 mm		
Supplied with removable connection cannula			
28260	Set of 7 brass chrome plated uterine aspiration cannulas for abortion: 4 cannulas with side suction end (Ø 5, 6, 8, 9 mm), 3 cannulas with front suction end (Ø 7, 10, 11 mm) and one handle		

■ S/S FRAIZER, ROSEN, NOVAK SUCTION CANNULA
■ SUCTION CATHETERS

See page 45-46
See page 51

YANKAUER CANNULA

Ready-to-use rigid cannula for suction of fluids in surgical field. Anatomical and anti-slip handle for easy grip. Transparent to control the flow of suction fluids. Open tip with one central and four lateral holes (Ø 20 mm). Flexible, transparent and non-conductive suction tube (length 200 cm). Single use. Phthalates and latex free. Packed in single pouch. Class IIa, sterile.



28173

28174

CE 0426

- 28173 YANKAUER CANNULA with open tip and suction tube - 25 cm - box of 50
- 28174 YANKAUER CANNULA with bulb tip and suction tube - 25 cm - box of 50

microline

Material médico e científico Lda

Av. da República, 3000,
Estoril - Escritório, Bloco B, 2º. Nº 15
2649 - 517 Alcabideche
Portugal

Phone: +351 214 533 795

Fax: +351 214 535 681

geral@microline.pt

www.microline.pt

