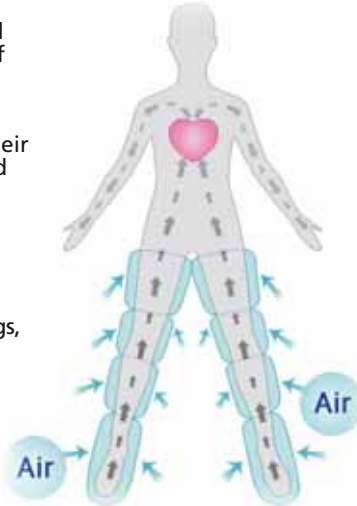


DOCTOR LIFE AIR COMPRESSION THERAPY SOLUTIONS

All human body is supplied by peripheral circulation of blood and lymph

Doctor Life system helps patients recovered from their disease by improving blood and lymph circulation and metabolism

Doctor Life system consists of air chambers and an air pump offering air compression massage to legs, arms or waist.



- 28430 DL 2002 D BASIC with 2 legs - 4 chambers and cable
- This system can operate with 3 compression modes.

TECHNICAL SPECIFICATIONS

- Pressure sensor
- Digital timer (10, 20, 30, 40 min)
- Digital pressure gauge (10-240 mmHg)
- One touch connection hose plug
- Body size: 190x250x210 mm
- Body weight: 3 kg

- 28435 LEG Medium size
- 28436 ARM CUFF unique size
- 28437 WAIST CUFF

Medical indications

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

Home care indications

- Lymph edema
- Diseases caused by interrupted blood circulation
- Fat dissolution
- Pregnant woman's limb treatment
- Benumbed feet or hands
- Cold feet or hands
- Settlement of stress
- Exercise effects
- Insomnia
- Healthier body and elastic skin

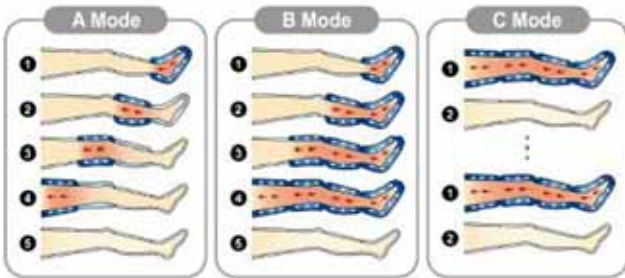
Drainage, Circulation & Massage

SEMIPROFESSIONAL MODEL (Home-Hospital)



Universal cable included is suitable for leg, arm and waist cuff

28430



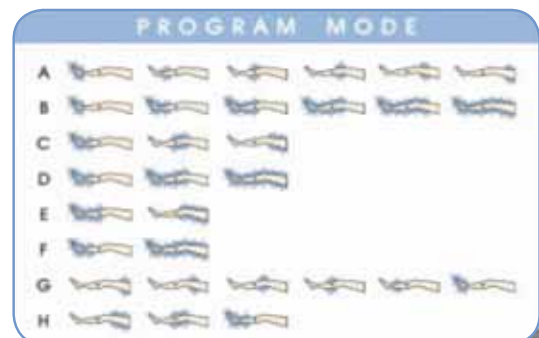
3 compression modes

HIGH CLASS PROFESSIONAL MODEL

- 28450 DL850 PROFESSIONAL SYSTEM with 2 legs, 1 arm (6 chambers) and cable
- This system can operate with 8 compression modes. Every chamber can have a different pressure or can work only with 1 selected chamber. Graphic LCD display. Inflation and interval time control by two separate keys.

TECHNICAL SPECIFICATIONS

- Pressure sensor
- Use time: 0-90 minutes
- Hold time: 0-6 seconds
- Interval time: 0-19 seconds
- Body size: 370x390x190 mm
- Body weight: 13 kg



28450



- 28453 LEG - medium size
- 28455 WAIST CUFF

MAGNETOTHERAPY UNITS: DOMICILIARY AND PROFESSIONAL MODELS



ELF magnetotherapy is characterized by:
 28326
 low frequency,
 negligible electric field,
 low radiated power,
 negligible
 thermic effects,
 high tissue penetration

28327
 Kit: elastic band 100x8 cm
 + couple of plate transducer

- 28326 MAGNETOTHERAPY PROFESSIONAL - unit only
- 28327 KIT: 1 BELT + 2 PLATE TRANSDUCER - 100 Gauss
- 28323 VELCRO ELASTIC BAND 100 x 8 cm - spare
- 28325 CYLINDER Ø 24 cm - 100 Gauss
- 28329 CYLINDER Ø 50 cm - 80 Gauss
- 28328 CYLINDER Ø 60 cm - 80 Gauss

MAGNETOMED is an ELF magnetotherapeutic unit designed for ambulatory or at patient home professional applications. It is useful in the therapies that require treatments repetition for a long period and/or long duration accessions, or therapies on traumatized or immobilized patient that have difficulty to reach a physiotherapeutic ambulatory.

Applications

The main effects of the ELF magnetic therapeutic fields are:
 - antiaedemic, antalgic, antiflogistic, regenerative
 Main field of application are: traumatology, rheumatology, angiology, neurology, dermatology, endocrinology.

TECHNICAL SPECIFICATIONS

Working frequencies: 2, 5, 10, 20, 30, 40, 50, 60 Hz.
 Intensity control: 20, 40, 60, 80, 99%
 Waveform: rectangular
 Time of treatment: 1-99 min
 Active channels: CH1 - CH2 - CH1+CH2
 Operating Voltage: 115/230V - 50/60 Hz switchable
 Power: 220 VA
 Norms: EN60601-1 (CE162-5) - C €93/42 EEC



Plates and Cylinder are not included in standard configuration.

MAG 2000 LOW FREQUENCY, HIGH INTENSITY MAGNETOTHERAPY

- 28300 MAG 2000 MAGNETOTHERAPY - 2 channels

MAG 2000 is ideal device for domiciliary and professional magnetotherapy.

Two channels 150 gauss each to easily treat different body parts with the highly appreciated elastic therapeutic belt with 3 solenoids.

35 programs: 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 program with continuous frequency variation for the treatment of both hard and soft tissues at the same time.

MAG 2000 has the possibility to set the intensity of magnetic field for all the programmes up to **300 Gauss on 2 channels** (150 Gauss for single channel).

Operating power 110-240 V.

Supplied with elastic therapeutic belt with 3 solenoids and bag.

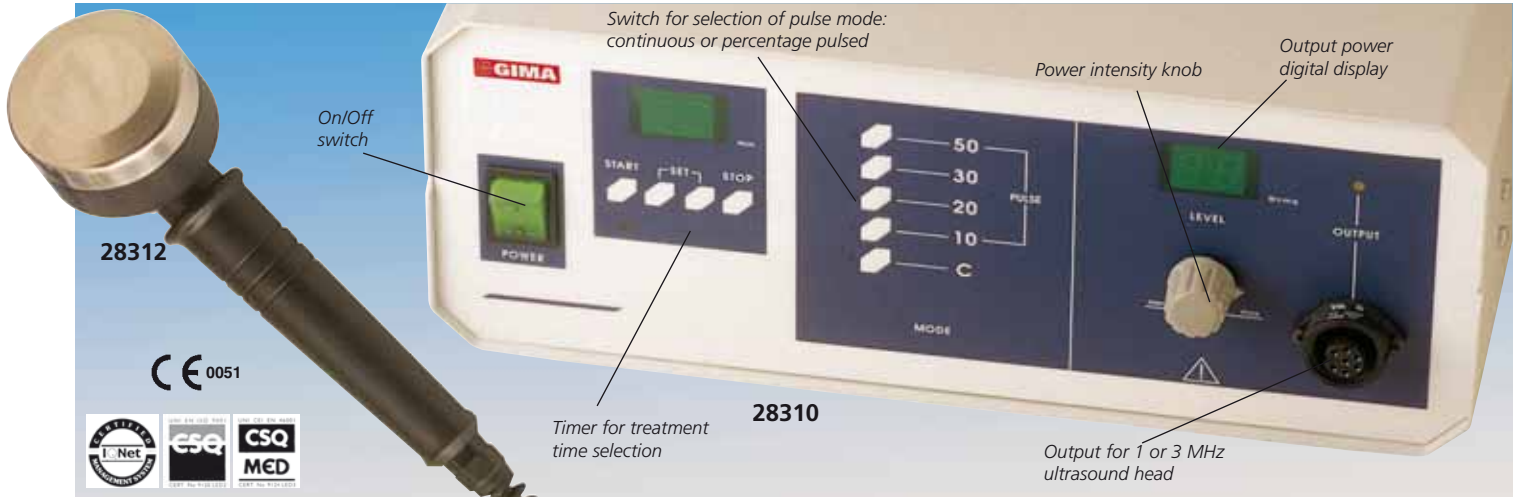


28300



35 PROGRAMMES			
20 pre-set programs		14 working freq.+autoscan	
Osteoporosis	Intercostal Neuralgias	1 Hz	70 Hz
Arthrosis	Lumbalgy	3 Hz	80 Hz
Arthritis	Sciatalgy	5 Hz	90 Hz
Headache	Trigeminal Neuralgias	10 Hz	100 Hz
Neuralgias	Varicose Ulcers	15 Hz	Autoscan
Cervicalgias	Periarthritis	20 Hz	-
Sprains	Coxartrosis	30 Hz	-
Fractures	Muscular Athrophy	40 Hz	-
Cicatrizations	Muscular contracture	50 Hz	-
Ulcers	Osteonecrosis	60 Hz	-

GIMA UT AUTOMATIC: ULTRASOUND THERAPY UNIT



• **28310 GIMA UT AUTOMATIC**

ultrasound therapy unit without head

GIMA UT Automatic is an automatic system for ultrasound therapy which makes possible the use of any ultrasound head with oscillation frequency from 1 MHz to 3 MHz. Pulse frequency is 2 pulses/second. Modulation degree is

TECHNICAL SPECIFICATIONS

Treatment time: programmable from 1 to 99 minutes
 Selectable pulse/time%: 10%-20%-30%-50%- 100%
 Pulse frequency: 2 pulses/second
 Max. power: 3 W/cm²
 Operating voltage: 115/230 V - 50/60 Hz - switchable
 Size: 360 x 265 x 150 mm Weight: 8 kg
 Safety class I BF - CE 93/42/EEC
 Norms: EN 60601-1 (CEI 62-5)/IEC 601-2-5 (CEI 62-23)

selectable from 10% to 100 %, through a digital keyboard. It is provided with digital adjustment of intensity with numeric indication. Maximum output power is: 37.7 W (3 W/cm²) for standard head, 5.28 W (3 W/cm²) for thin head. Luminous read-out for distributed power. Gima UT is recommended for: ultrasound lipoeclesia, sports medicine, arthritis, artrosis, neuralgia and lumbago. Supplied with power cord and user's manual. Made in Italy.

• **28312 1 MHz ultrasound head Ø 60 mm**

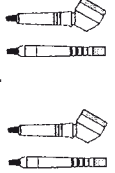
• **28314 1 MHz ultrasound thin head Ø 15 mm**

1 MHz frequency is recommended for physiotherapy.

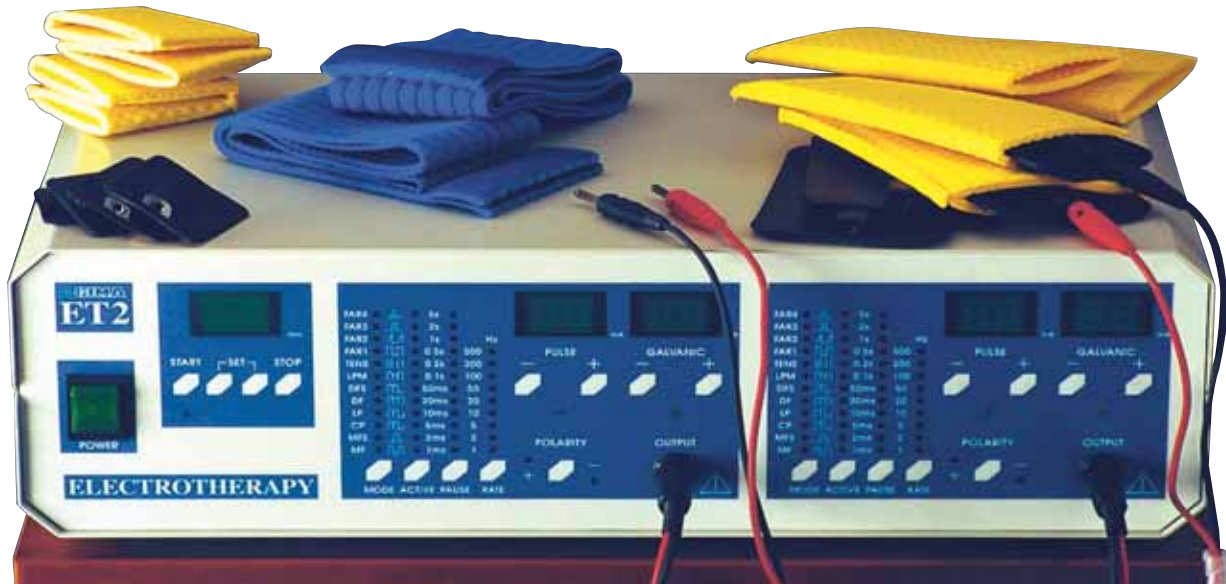
• **28313 3 MHz ultrasound head Ø 60 mm**

• **28315 3 MHz ultrasound thin head Ø 15 mm**

3 MHz frequency is recommended for aesthetics.



ELECTROTHERAPY: GIMA ET2 PROGRAMMABLE



• **28330 GIMA ET 2 programmable - 2 channels**

ET 2 is a modern apparatus for electronic diagnosis and a vast field of low frequency electrotherapy applications. The varied impulsive current delivered by this unit can be used for therapy in painful syndromes and circulatory throngs as well as in the rehabilitation of muscular tissues and for invigorating hypertrophizing treatment in passive gymnastics for aesthetic purposes.

STANDARD ACCESSORIES

4 cables for electrodes connections Power cable 2 m
 4 rubber electrodes 120 x 80 and 4 rubber electrodes 50 x 50
 4 cushioned bags for electrodes 120 x 80: and 4 bags 50 x 50
 3 velcro elastic belt in para rubber, length 1 m - 60 cm - 40 cm

• **28332 Connecting cable**

• **28333 Rubber electrodes 120x80 mm - box of 10**

• **28334 Sponge bags for electrodes 120x80 mm - box of 10**

• **28335 Rubber electrodes 50x50 mm - box of 10**

• **28336 Sponge bags for electrodes 50x50 mm - box of 10**

TECHNICAL SPECIFICATIONS

Current adjustment independent for each channel
 Programmable treatment from 1 to 99 minutes
 Action time: 1 ms - 5 sec (10 ms - 50 sec for FAR4)
 Repetition frequency: 1 - 500 Hz.
 Max current intensity impulsive: 60 mA - galvanic: 25 mA
 Operating voltage: 115/230 V - 50/60 Hz
 Size 470 x 250 x 150 mm Weight: 6 Kg
 Norms: EN 60601-1 (CEI62-5)/IEC601-2-10 (CEI62-24)
 Class I type BF 93/42 EEC

PROGRAMMABLE DIGITAL TENS

• 28352 GIMA TENS EV-904 with L.C.D. display

GIMA Tens are transcutaneous electrical nerve stimulators controlled by a micro-processor. They relieve the symptoms of muscular pain, poor circulation, peripheral numbness, fatigue, stiff shoulder, neuralgia. EV-904 is an advanced Digital Programmable TENS unit which allow to set 5 programs. Its intensity can be adjusted by 1mA each step from 1 to 80mA. It has five modes: B(Burst), N(Normal), M(Pulse Rate Modulation), SD1(Pulse Duration Modulation) and SD2(Pulse Rate Modulation).

A compliance meter allows physical therapist to check the accumulated treatment time.

- 28351 ELECTRODES FOR TENS - single patient 40x40 mm - pack of 4 electrodes
- 28353 CABLE FOR TENS sold after 04.2002
- 32205 9V ALKALINE BATTERY

TECHNICAL SPECIFICATIONS

Channel: Dual, isolated between channels
 Pulse Amplitude: 0-80mA peak to peak into 500 ohm load, 1 mA each Step
 Pulse Rate: Adjustable, 1Hz ~ 150 Hz, 1 Hz each step
 Pulse Width: Adjustable, 30 µs ~ 260 µs, 10 µs each step
 Program: 5 adjustable programs, P1, P2, P3, P4, P5
 Mode: B, N, M, SD1, SD2
 Timer: Adjustable, 1 ~ 60 Minutes or Continue
 Wave Form: Asymmetrical Bi-phasic Square Pulse
 Voltage: 0-40 V peak into 500 ohm load
 Size: 125(L)x 67.5(W) x 25(H) mm



Supplied in rigid case with instructions, 9V battery, 2 patient leads, 4 adhesive electrodes.



Size: 125x67x25 mm

Weight 150 g

28352



LCD display

Programmable Tens, can store 5 programmes

All parameters are adjustable, including timer (1 to 60 minutes)

GIMA TENS E-701 - ANALOGUE TYPE

• 28360 TENS E-701 - dual channel

E701 is a basic TENS unit that incorporates a wide variety of output combinations. It has three modes available: B(Burst), N(Normal) and M(Pulse Rate Modulation). Pulse rate, pulse duration and intensity are adjustable. Horizontal type of design is more comfortable to wear on the belt.

- 28351 ELECTRODES FOR TENS - single patient 40 x 40 mm - pack of 4 electrodes
- 28353 CABLE FOR TENS sold after 04.2002

TECHNICAL SPECIFICATIONS

Channel: Dual, isolated between channels
 Pulse Amplitude: 0-80mA peak to peak into 500 ohm load.
 Pulse Rate: Adjustable, from 2Hz ~ 150 Hz
 Pulse Width: Adjustable, from 30 µs ~ 260 µs
 Mode: B, N, M
 Wave Form: Asymmetrical Bi-Phasic Square Pulse
 Voltage: 0-40 V peak into 500 ohm load
 Size: 70(L)x 103(W) x 23.5(H) mm



Supplied in rigid case with instructions
 9V battery,
 2 patients leads,
 4 adhesive electrodes

28360

WIRELESS MINITENS

• 28345 MINITENS - pain-relieving patch

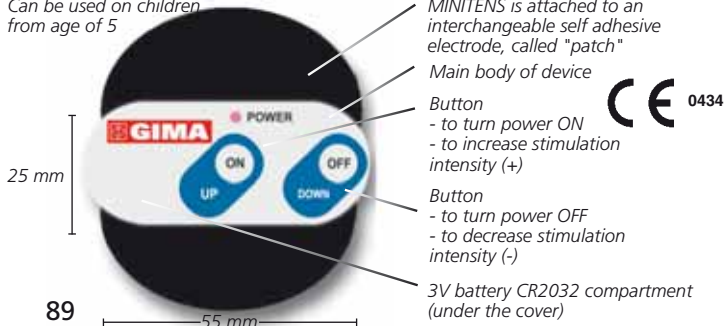
• 28346 SPARE PATCH ELECTRODE 62x53 mm - box of 3

A new innovative concept: simple, effective and always available.

First electronic pain-relieving patch resulting from combination of modern cellular electrophysiological knowledge and an age-old physical technique: acupuncture. MINITENS is equipped with a powerful microprocessor and a performant and intelligent stimulation programme, allowing:

- recovery of electrical exchanges on either side of the cellular membrane and of block of the pain sensation conveyance to the brain
 - relax and boost of the activity of nerves, muscles, tendons and joints.
- The form of the electrical stimulations is physiological, it relieves pain quickly, deeply and naturally.

Can be used on children from age of 5



MINITENS is attached to an interchangeable self adhesive electrode, called "patch"
 Main body of device

Button
 - to turn power ON
 - to increase stimulation intensity (+)

Button
 - to turn power OFF
 - to decrease stimulation intensity (-)

3V battery CR2032 compartment (under the cover)



89

INCONTINENCE TENS

• 28341 INCONTINENCE TENS

Incontinence stimulator with 5 preset programmes. Precise adjustment of intensity at 1mA each step. Suitable for treatment of female incontinence.

A handy soft fabric pouch allows user to store and clean the unit easily. Compact size ensures privacy of user. Size smaller than normal pre-programmed T.E.N.S., device weighs only 50g, including 2 batteries. The user can carry it in the pocket or wear it by the small rope attached to the top of unit.



28341

TECHNICAL SPECIFICATIONS

Channel: Single channel
 Pulse Amplitude: Adjustable, 0-80mA peak to peak into 500ohm load
 Power Supply : 2 Lithium CR2032 Batteries
 Program: A, B, C, D, E, 5 pre-setting programs
 Wave Form: Asymmetrical Bi-Phasic Square Pulse
 Voltage: Adjustable, 0-40V peak to peak into 500 ohm load
 Size: 77.6mm(L) x 47.8mm(W) x 17.2mm(H)



MIO-CARE 2-CHANNELS TENS - 20 PROGRAMS, 300 APPLICATIONS

- **28370 MIO-CARE TENS**
 - 2 independent channels stimulator
 - Compensated biphasic square wave: avoid hazardous thermic effect of polarization
 - Digital easy to use keyboard
 - Remaining therapy time and programs instruction shown on graphic display
 - Internal rechargeable battery pack
 - Maximum intensity 200 mApp
 - Compliance with 93/42/EEC MDD (medical device CE0476)
- Supplied in a carrying bag with 2 connection cables, with splitters, 5 language user manual, 16 adhesive pads, internal rechargeable battery with battery charger.
- **28372 GELLED ELECTRODES with cable 46x47 mm - bag of 4**
- **28373 GELLED ELECTRODES with cable 45x80 mm - bag of 4**

20 MEDICAL PROGRAMS, MORE THAN 300 APPLICATIONS

- | | |
|-----------------------------------|----------------------|
| Tens conventional (rapid) | Microcurrent |
| Tens endorphinc (delayed) | Stress incontinence |
| Tens maximum values | Urgency incontinence |
| Inflammatory | |
| Neck pain/cervicogenic headache | |
| Backache/sciatic pain | |
| Sprains/bruises | |
| Vascularization | |
| Muscle relaxant | |
| Haematomas | |
| Atrophy prevention | |
| Atrophy (trophism rehabilitation) | |
| Hand and wrist pain | |
| Plantar stimulation | |
| Epicondylitis | |
| Epitroclea | |
| Periarthritis | |



Dimensions:
60 x 135 x 19 mm

MIO CARE FITNESS, 55 PROGRAMS

- **28376 MIO CARE FITNESS** **55 PROGRAMS** **500 APPLICATIONS**
 - 20 medical programs + 15 beauty programs + 20 fitness programs (see our web for details of programs)
 - 2 independent channels stimulator
 - Compensated biphasic square wave: avoid hazardous thermic effect of polarization
 - Digital easy to use keyboard
 - Remaining therapy time and programs instruction shown on graphic display
 - Internal rechargeable battery pack
 - Maximum intensity 200 mApp
 - Compliance with 93/42/EEC MDD (medical device CE0476)
- Supplied in a carrying bag with 2 connection cables, with splitters, 5 language user manual, 16 adhesive pads, internal rechargeable battery with battery charger.
- **28372 GELLED ELECTRODES with cable 46x47 mm - bag of 4**
- **28373 GELLED ELECTRODES with cable 45x80 mm - bag of 4**



28376

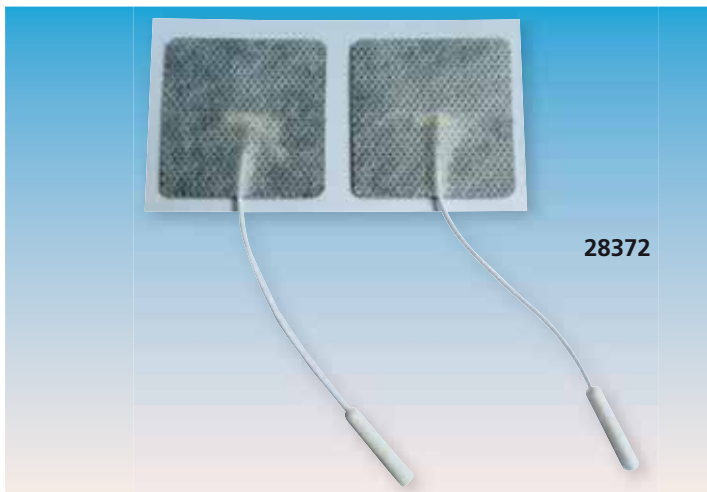
MIO IONOTENS, 2 CHANNELS

- **28380 MIO-IONOTENS 4 + 16 programs**
- **28381 IONOPHORESIS KIT - spare** (1 elastic band, 2 rubber electrodes, 2 sponges)
- New 2 channels stimulator for those customers who need an easy to use device with high output power and a complete list of TENS programs plus some ionophoresis programs. Portable and easy to use, equipped with RGB (Red-Green-Blue) Safe System. The color of the display alerts the user about its correct use:
 - Green light: normal working.
 - Red light: abnormal functioning, for example when it recognizes electrodes disconnection
 - Blue light: output current up to 2/3 of maximum intensity
- MIO-IONOTENS has 4 TENS programs adjustable by the user, choosing treatment frequency, impulse width and therapy time, 3 programs design for standard ionophoresis treatments, 2 high impact ionophoresis programs and 11 TENS programs for pain therapy (all with pre-setted parameters).



28380

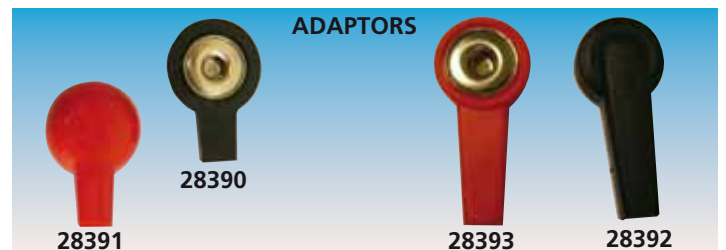
DISPOSABLE GELLED ELECTRODES FOR ELECTROTHERAPY



28372



28317



28391

28390

28393

28392

DISPOSABLE GELLED ELECTRODES WITH CABLE

High material flexibility permits to apply electrodes very easily on treated areas. Solid gel maintains unchanged the electrode adhesion and conductivity, during procedure. The electrodes are equipped with 10 cm long cable, with 2 mm socket. The products are latex free.

- **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

High material flexibility permits to apply electrodes very easily on treated areas. Solid gel maintains unchanged the electrode adhesion and conductivity, during procedure. The products are latex free.

- **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 CLIPS ADAPTORS - black - box of 10**
- **28391 2 mm CLIPS ADAPTORS - red - box of 10**
- **28392 4 mm CLIPS ADAPTORS - black - box of 10**
- **28393 4 mm CLIPS ADAPTORS - red - box of 10**

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 it is characterized by its simplicity and safety of use, although it maintains characteristics of a professional equipment. Complete kit of accessories for treatment (see photo). It comes with ABS case and velcro elastic bands, rubber conductive electrodes 80x120mm and 50x50mm and envelopes sponges for electrodes. Made in Italy.

- 28335 RUBBER ELECTRODES 50 x 50 mm - box of 10
- 28336 SPONGE BAGS for electrodes 50 x 50 mm - box of 10



28306



TECHNICAL SPECIFICATIONS

Size: 138 x 68 x 193 mm
 Operating Voltage: 230 V - 50/60 Hz
 Absorbed Max Power: 10 VA Max Output Current: 20 mA
 Safety class: II BF - CE 93/42/EEC. Made in Italy.

12-PROGRAM DIGITAL STIMULATOR - for AESTHETIC, REHABILITATION and SPORT

• 28308 STIM BASE PLUS - 12 programs - 2 channels

Bipolar pulsing, square-wave current generator for muscle toning and stimulation as well as pain relief. Stim base is microprocessor controlled, with 2 output channels and 12 pre-set programs (5 sporting, 4 aesthetic and 3 rehabilitative). Sporting programs deliver balanced stimulation to single flexion-extension muscle actions. In aesthetic treatments the system uses the properties of the applied DC current to induce vasodilatation, lymphatic drainage, microcirculation renewal and toning with selective modeling. Therapy programs allow resolution of muscles micro trauma. Supplied in ABS case with all standard accessories shown in this picture.

- 28317 KIT OF 4 ELECTRODES - spare - 4.5x8 cm



28308

TECHNICAL SPECIFICATIONS

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

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 and have 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 the case of short-circuit.

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

GIMA code	ACCESSORIES FOR MAGNETOTHERAPY	Minimum order
28322	Plate transducer 70x120 mm	1 pc.
28323	Velcro elastic band 100x8 cm	1 pc.



28321

It is supplied with all accessories in a plastic case.

TECHNICAL SPECIFICATIONS

Waveform: square
 Max. ratio emission/pause: 50%
 Selectable magnetic field from 10 to 80 Gauss
 Selectable frequency: from 10 to 99 Hz.
 Intensity of magnetic field: 80 Gauss (8mT)
 Operating voltage: 230V/50-60 Hz
 Size: 193 x 138 x h 68 mm Weight: 1 kg
 Safety class: II BF - Norms: EN60601-1 (CE162-5)

STANDARD ACCESSORIES

GIMA MT base unit	1 velcro elastic band 100 x h 8 cm
power cable	ABS carrying case
2 plate transducers 80 gauss - 120 x 70 mm	Manual (English, Italian)
1 velcro elastic band 60 x h 8 cm	

HEART RATE MONITOR - 20 FUNCTIONS



- **28400 HEART RATE MONITOR - 20 functions**
- Two automatic training programs per age input: Fat burning program & Build cardiovascular strength program
- Freely programmable target zone & exercise time
- Three different audible alarms
- Two different visual alarms
- Current heart rate intensity %
- Efficiency percentage of preset exercise time
- Preset exercise time countdown <over low limit>
- Current heart rate display 35~250 beats per minute
- Maximum heart rate recorded 35~250 beats per minute
- Average heart rate in 6 optional periods <10~60 minutes>
- Total time over high limit of target zone <up to 9:59:59>
- Total time over low limit of target zone <hour / minute / second>
- Stopwatch 9:59:59 <hour/minute/second>
- Unique transmission LED indicator
- 12/24 hour clock
- Target Zone indicator
- Target Zone re-settable and re-checkable
- Current cardiovascular strength level
- Time bar in seconds.
- EL backlight.



TECHNICAL SPECIFICATIONS
 30 meters water-resistant <watch>
 10 meters water-resistant <transmitter>
 Weak battery detection
 3V batteries changeable
 Auto power saving

INFRAREX: THERAPEUTIC HEATING DEVICE

- **28650 INFRAREX 230V-50/60 Hz**
- **28651 SPARE BULB 7.5W**

FDA Approved 0434

Infrarex is a modern scientifically electronic therapeutic heating device which provides deep, infrared heat that can penetrate far below the surface of the skin to produce a soothing, comforting effect upon the nerves. It relieves muscular tension, reduce inflammation and provides pain relief without medication for many conditions such as: arthritis, bursitis, sinusitis, tennis elbow, back ache, neuralgia, muscular pains, aches, sprains, and other musculoskeletal aches. **Infrarex provides pain relief without medication**, you will experience pain relief within 10-15 minutes. No concern for side effects, simple to be used.



HUMIDIFIER

It conforms to all European norms on safety: double insulated tank, safety to avoid tank opening while working

Innovative design



28123

• **28123 PHOBOS HUMIDIFIER**
 Ideal against dry air produced into overheated rooms. Easy check of water level and automatic shut off when water falls below minimum level. Easy to clean. Steam regulation. It is recommended for a room of 60 m³.

TECHNICAL SPECIFICATIONS
 Capacity: 3.5 litres. Autonomy: approx 17 hours
 Operating voltage: 230V-50/Hz.
 Protection fuse. Made in Italy

HUMI-ROUND

Automatic, non-Stop
 360° Rotation of mist outlet



28118

• **28118 HUMI-ROUND - ultrasonic humidifier**
 Ultrasonic humidifier used in home-care to increase humidity levels in dry environments. It protects against mucous membranes irritation and prevents skin, throat and lips dryness.

TECHNICAL SPECIFICATIONS
 Power feeding: AC 220-240V / 50Hz
 Rated Power: 35W
 Max mist output: 250 ml/h
 Water Tank capacity: 3.4 l
 Suitable for room size: min 10, max 20 m²
 Max operating hours (non-stop): 10 hours
 Size (individual box): cm 27.3 x 26.5 x 34.3
 Weight (without water): 2.9 kg

VAPINAL INHALER



0123

• **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. It is equipped with stainless steel boiler working with an electric resistance at 230V-50 Hz. Supplied with polycarbonate ampulla, in a 4 colour deluxe box. Made in Italy.

• **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): 8-15 min

NEBULIZERS FOR DOMESTIC USE

- 28130 HAPPYNEB I NEBULIZER - diaphragm 230V
- 28132 HAPPYNEB II NEBULIZER - piston 230V- Faster-Jet
- 28135 HAPPYNEB III NEBULIZER - piston 230V

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

Three versions available.

With piston (with or without Faster-Jet bulb) or membrane compressor.

Italian innovative shape and design

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.

Available in English, French, German, Italian, Spanish



Happyneb II piston type

Happyneb II Nebulizing time: 1 cc about 3 minutes

28132

WITH FASTER-JET BI-VALVE BULB FOR A QUICKER DELIVERY OF PARTICLES



Happyneb III with Nebjet chamber

28135

STANDARD ACCESSORIES

	28130 HAPPYNEB I	28132 HAPPYNEB II	28135 Happyneb III
Adult face mask:	1	1	1
Pediatric face mask:	-	1	1
Fasterjet bulb:	-	1	1
Nebjet bulb:	1	-	-
Mouthpiece:	1	1	1
Nasal prong:	1	1	1
Connection tubing:	1	1	1

TECHNICAL SPECIFICATIONS

	28130 - HAPPYNEB I	28132 - HAPPYNEB II	28135 - HAPPYNEB III
Compressor:	diaphragm - membrane	piston	piston
Voltage:	230V/50 Hz	230V/50 Hz	230V/50 Hz
Fuse:	T500 mA/250V	T1,6 A / 250V	T1,6 A / 250V
Operating pressure:	0.70 bar	1.1 bar	0.90 bar
Air flow:	8 l/min	15 l/min	14 l/min
Dimensions:		31 x 22 x 13 cm	
Weight:	2.3 kg	2.3 kg	2 kg
Noise level		58 db	56 db
Temporary use:	30/30 min ON/OFF	Continuous use	30/30 min ON/OFF
Class of risk		IIa	
Norms:		Class II, Type B	
Origin:		Italy	

EOLO NEBULIZER - PISTON

- 28097 EOLO NEBULIZER - piston
- 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 and air filter.

Made in Italy.

- 28095 FILTER - box of 20 pcs.



28097

EASYNEB NEBULIZER - PISTON

- 28099 EASYNEB NEBULIZER - piston

Low noise, long life powerful air compressor nebulizer, provided with thermal overload protection and auto shut off function. Lubrification free.

Fully portable, it is supplied with medicine cup, air tubing, adult and child mask, air filter and angled mouthpiece.

- 28100 FILTER - spare box of 10 pcs.



28099

TECHNICAL SPECIFICATIONS

	28097 EOLO	28099 EASYNEB
Operating voltage:	230V/50Hz/170VA	230V/50 Hz
Operating pressure:	1.1 bar	0.6 bar
Air flow:	14 l/min	12 l/min
Nebulization rate	0.4 ml/min	0.2-0.3 ml / min
Particle size	< 5 µm	3-5 µm
Max Pressure:	2.5 bar	2.5 bar
Dimensions:	22x14.5x12 cm - 1.7 kg	20x11.4x27.3 cm - 1.79 kg
Noise level	55 db	60 db
Class of risk	IIa	IIa
Norms:	Class II, Type B	Class II, Type B
Origin:	Italy	P.R.C.

NEBULIZERS FOR PROFESSIONAL AND HOSPITAL USE

HOSPINEB PROFESSIONAL NEBULIZER

- 28134 HOSPINEB PROFESSIONAL 230 V-50 Hz
- 28136 HOSPINEB PROFESSIONAL 230 V-60 Hz
- 28137 HOSPINEB PROFESSIONAL 110 V-60 Hz

This aerosol therapy appliance is designed mainly for clinical use and embodies all the dictates of modern aerosol therapy techniques.

Reliable and simple to use, can even be operated by unexperienced people.

TECHNICAL SPECIFICATIONS

Operating voltage: 230 V - 50 Hz - 50 VA
100 V - 60 Hz on request

Size: 19 x 17 x 28 cm.

Max pressure: 350 kPa (3.5 bar)

Noise level: 60 db

Operating pressure: 0-130 kPa (0-1.3 bar).

Weight: 2.6 kg

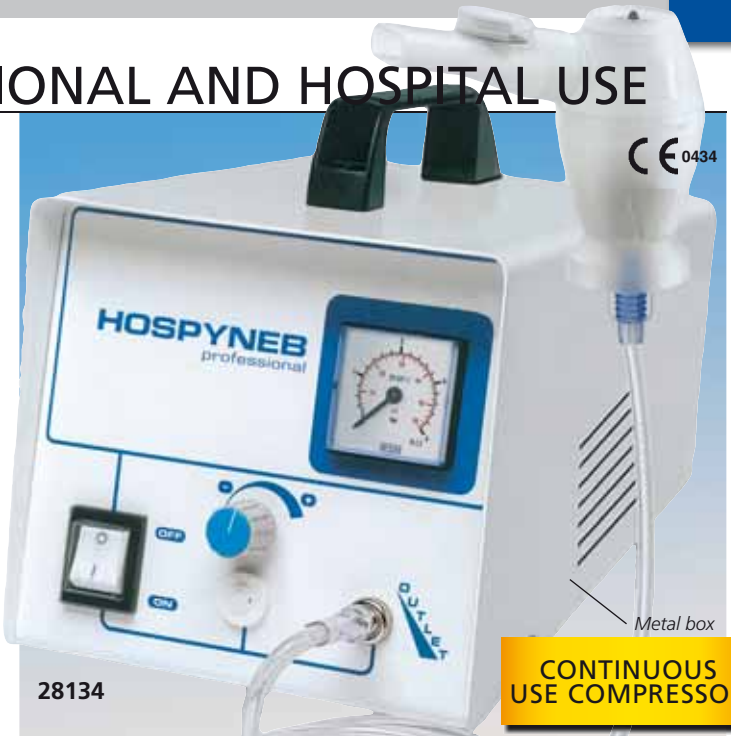
Air Flow: 15 l/min

Made in Italy

Class: I type A

STANDARD ACCESSORIES

- Sterilizable Fasterjet bulb in polypropylene
- Sterilizable nasal prong in polypropylene
- Sterilizable mouthpiece in polypropylene
- Plastic adult and paediatric face mask
- Tubing and connectors



CONTINUOUS USE COMPRESSOR

• 28105 CORSIA PROFESSIONAL NEBULIZER - piston

A piston-type compressor nebulizer designed for continuous use, with high performance with any type of drug, ideal for intensive hospital and clinic use.

CONTINUOUS USE COMPRESSOR

CE 0123



It is recommended for atomising antibiotics and bronchodilator drugs. Manufactured with high thermal 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

TECHNICAL SPECIFICATIONS

Operating Voltage: 230 V - 50 Hz (available also 60 Hz)

Power consumption: 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

Size: 255x190x h 105 mm

Noise level: approx 57 db

GSD: 3.45

Weight: 2.2 kg

Made in Italy

STANDARD ACCESSORIES

- HI-FLO Jet bulb
- Adult and child mask

- Mouthpiece
- Air tube and air filter

ATOMIZER 2 SPEEDS, PISTON NEBULIZER FOR FAMILY USE

• 28094 ATOMIZER NEBULIZER - 2 speeds

Piston-type compressor with 2 speeds for family use. With accessories compartment separated from cord compartment for hygiene improving. Made in Italy.

TECHNICAL SPECIFICATIONS

Operating voltage: 230V/50Hz

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

Origin: Italy

STANDARD ACCESSORIES

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



CE 0434



28094

FAMILY AND PINGOO ULTRASONIC NEBULIZERS



CE 0476

Size 22x50x132 mm

weight 250 g

28106

28117

GIMA code	ULTRASONIC NEBULIZERS
28106	Family ultrasonic nebulizer
28117	Pingoo ultrasonic nebulizer
28113	Re-chargeable battery Ni Cd 12 VDC - Family
28115	Re-chargeable battery Ni Cd 12 VDC - Pingoo
28114	Spare Kit: includes adult and paediatric facemask, nasal prong, mouthpiece and tube
28121	Medication cups Family (box of 15 pcs.)
28122	Medication cups Pingoo (box of 15 pcs.)



28114

Optional battery

ULTRASONIC NEBULIZERS

Thanks to the innovative electronic technologies these easy-to-use ultrasonic nebulizers provide a quiet, fast and portable operation with optimal particle size.

Portable: small and lightweight, it allows patients to perform treatments anytime and anywhere.

Optimal particle size: particle size determines the extent to which the medication can be inhaled by the patient into the deep lung tissue.

Around 90% of particles generated by Family or Pingoo fall within the optimal 1-5µ (microns) size.

Fast treatment: with its high-efficiency design, it allows a quick treatment time, most within 6 minutes, with limited power consumption.

Low noise level: treatments are not only fast but are virtually silent due to its advanced ultrasonic technology.

8 languages user manual: English, French, German, Italian, Spanish, Portuguese, Greek and Arabic.



28106

TECHNICAL SPECIFICATIONS

Operating voltage: 220-240 V 50/60 Hz. Power: 10 W
 Ultrasonic frequency: 2.5 MHz.
 Nebulization time: 0.2-0.7 ml/min depending on medication density
 Medication cups capacity: max 8 ml Family, max 4.5 ml Pingoo
 Automatic switch-off.
 Particle size: 5 µ (microns) average
 Three programmable flow levels
 Noise level: <40 dB



STANDARD ACCESSORIES

Adult facemask (only Family)
 Pediatric facemask
 Nasal prong, Mouthpiece
 Connection tube
 Medication cups
 Transformer (220-240V-12V DC)
 Carrying bag
 User manual

POCKET ULTRASONIC NEB



CE 0123

115 mm

43 mm 65 mm

28080

- 28080 POCKET ULTRASONIC NEBULIZER
 - 28081 MEDICINE CUPS - box of 50
 - 28082 RESPIRATORY ACCESSORY KIT (adult and pediatric mask, mouthpiece, flex tube)
- Small, handy, light weight, portable nebulizer, that can operate with standard AA batteries (conventional or rechargeable) instead of expensive dedicated rechargeable batteries or AC adaptor 100-240 V. Two adjustable nebulization rate. Provides optimal treatment for all kinds of medication with different density. Supplied in a nylon carrying bag with AC adapter adult and child mask, mouthpiece 10 medicine cups, and transformer.

STANDARD AA BATTERY OPERATED

TECHNICAL SPECIFICATIONS

Operating voltage: DC 6 V (4xAA alkaline batteries)
 AC adaptor: input: 100-240 V - 50/60 Hz AC/Output: 12 V / 700 mAh
 Rechargeable battery: 4xAA NiMH rechargeable batteries / 2000 mAh (90 minutes)
 Ultrasonic Frequency: 2.5 MHz
 Medication cups capacity: ≤ 6 ml
 Nebulization rate: 2 speed adjustable
 - 1st level - 0.3 ml/min - 2nd level - 0.5 ml/min
 Particle size: 3-5 µ (microns)
 Treatment time: 5-6 min (2-3 ml)
 Sound level: ≤ 50 db



PROFESSIONAL ULTRASONIC NEB



CE 0123

28085

- 28085 PROFESSIONAL ULTRASONIC NEBULIZER
 - 28086 MEDICINE CUPS - box of 50
 - 28082 RESPIRATORY ACCESSORY KIT (adult and pediatric mask, mouthpiece, flex tube)
- Desktop professional ultrasonic nebulizer. Supplied with flexible nose, adult and child mask, mouthpiece and 10 medicine cup.
- 3-speed nebulization rate control - provides optimal treatment for all kinds of medication with different density.
 - Specialized design - with swivel air outlet to suit all kinds of treatment.

FOR LONG TIME CONTINUATIVE USE

TECHNICAL SPECIFICATIONS

Operating voltage: 230 V-50 Hz.
 Power consumption: ≤ 30 VA
 Medication cups capacity: ≤ 10 ml
 Nebulization rate: 3 speed adjustable

0.3-0.6 ml/min
0.6-0.9 ml/min
0.9-1.2 ml/min

Particle size: 3-5 µ (microns)
 Ultrasonic frequency: 2.5 MHz±100Khz
 Size: 220x110x205 mm - 1.3 Kg



MEDICAL GRADE SILICONE TUBES FOR EXTERNAL USE



SILICONE TUBES for external medical use - silicone 100% Suitable for autoclaving (135°C - 2.2-2.5 bar) and Gamma Sterilization. Heat resistant in 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-402/60 E - WACKER (D)
 Colour: translucent
 Hardness: 60° +/-5% Shore - DIN 53505
 Density: 1.17 g/ccm - DIN 53479A
 Tensility: 10.8 N/mm² - 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 PHARMACOPEA XXI
 EUROPEAN PHARMACOPEA DIN 58367 - DIN 58362 - DIN 13098-
 FDA 177.2600 - BGA XV part A and B - BGA IX part B

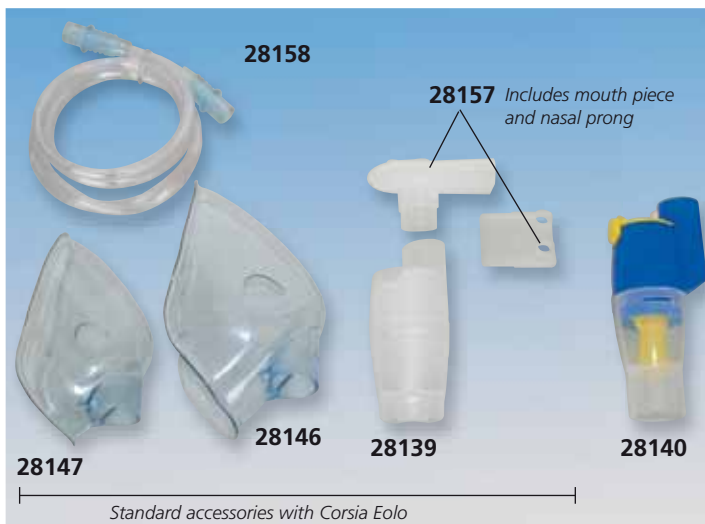
GIMA code	Internal diameter x external diameter	Thickness mm	Minimum order
25830	1x3 mm	1 mm	100 m
25831	2x4 mm	1 mm	100 m
25832	3x5 mm	1 mm	100 m
25833	4x6 mm	1 mm	100 m
25835	6x8 mm	1 mm	30 m
25840	4x7 mm	1.5 mm	30 m
25841	5x8 mm	1.5 mm	30 m
25842	6x9 mm	1.5 mm	30 m
25843	7x10 mm	1.5 mm	30 m
25844	4x8 mm	2 mm	30 m
25845	6x10 mm	2 mm	30 m
25846	8x12 mm	2 mm	30 m
25847	10x14 mm	2 mm	30 m
25848	5x10 mm	2.5 mm	30 m
25849	7x12 mm	2.5 mm	30 m
25850	6x12 mm	3 mm	30 m
25855	7x13 mm	3 mm	30 m
25851	8x14 mm	3 mm	30 m
25852	9x15 mm	3 mm	30 m
25853	10x16 mm	3 mm	30 m
25854	12x18 mm	3 mm	30 m
25857	8x15 mm	3.5 mm	30 m
25860		made to order	500 m

MADE TO ORDER SILICONE TUBES
 We can manufacture any size
 (minimum order 500 m - delivery 30 days)

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.



Standard accessories with Corsia Eolo

GIMA code	NEBULIZER ACCESSORIES	To be used with
Standard accessories with Famiglia, Corsia, Eolo		
28158	PVC connection tube - 1m	all nebulizers
28139	Nebulizer bulb	all nebulizers
28146	Facemask - adult - replaces 28143	bulb 28139/28140
28147	Facemask - paediatry - replaces 28144	bulb 28139/28140
28157	Mouthpiece - nasal prong	bulb 28139/28140
28138	Nebulizer kit <i>adult and pediatric facemask, pvc-tube, bulb, nasal prong, mouthpiece</i>	all nebulizers
28140	Nebulizer bulb	all nebulizers

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.



*Faster-jet bulb:
 For delivering
 any medication
 in a very short time*

28163



GIMA code	NEBULIZER ACCESSORIES	To be used 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, 28163
28167	Nasal Prong	bulb 28164, 28163
28168	Facemask-adult	bulb 28164, 28163
28169	Facemask-pediatry	bulb 28164, 28163
28145	Hydrofobic, 99%antibacteric filter	28130/1/2/3/4/5

* Standard with Happyneb II, Hospyneb

** Standard with Happyneb I, III, Betaneb



FDA Approved

RES-Q-VAC FILTERED HAND SUCTION

• 28124 RES-Q-VAC (FILTERED) SUCTION

This lightweight and hand held suction unit requires no batteries or electricity and yet provides powerful suction whenever and wherever you need it.

It offers ultimate safety and ease of use for the professional and fits easily into any emergency bag or ambulance.

Key Features:

- Portable Hand Powered Suction - one hand operation
- Hospital suction level performance >600mmHg
- Always ready to go, no set up required, no batteries to recharge
- Patented 0.22 equivalent micron filter for ultimate infection control
- Easy snap on replacement canister sets with Adult and Child catheters
- Each unit 100% tested for reliability



28124



0.22 micron filter

Jar 300 ml

TECHNICAL SPECIFICATIONS

Weight: 143 g
 Size: 114 x 180 x 55 mm.
 Max vacuum: > 600 mmHg
 Min. vacuum after 2 activations: > 400 mmHg
 Capacity before full: 290 ml
 Inner Ø of adult catheter: 9.53 mm
 Length of adult catheter: 272 mm
 Pump is suitable for cold or ETO sterilization



28128

28129

Kit includes: Res-q-Vac pump, canister 300 ml with filter, soft cannula Ø 12.7 mm

• **28128 SPARE ADULT KIT - with filter**
 Includes canister 300 ml and wide soft adult style yankauer. Disposable.

• **28129 SPARE PEDIATRIC KIT - with filter**
 Includes canister 300 ml and 2 pediatric catheters with different length: 356 mm for paediatric and 88.9 mm for neonatal applications. Disposable.

HAND/FOOT/KNEE SUCTION PUMP

• 28220 TOBI MANUALE - manual suction aspirator

Independent of any power source, 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 400cc, autoclavable at 120°C and spill-over protection. Bacterial filter included.

- 28219 BOTTLE 0.4 l - spare
- 28229 HYDROPHOBIC ANTIBACTERIAL FILTER - spare



Jar 400 ml



0123 28220

TECHNICAL SPECIFICATIONS

Weight: 1.2 kg Max suction - 0.40 bar Bottle capacity: 400 cc
 Size: 225 x 165 x 85 mm Suction power: 22 l/min Made in Italy

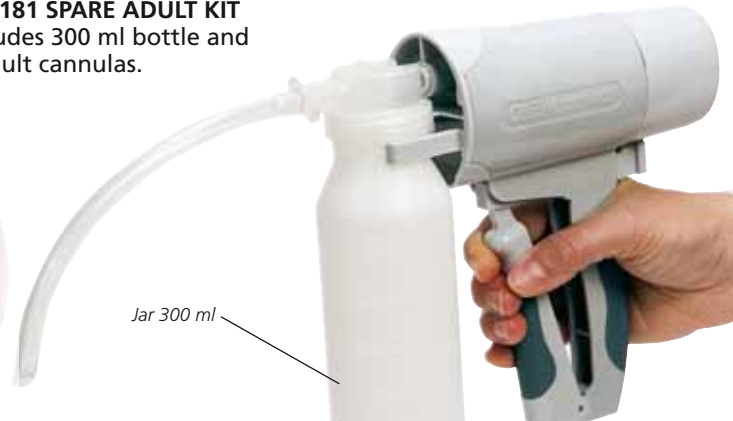
HAND SUCTION PUMP

• 28180 HAND SUCTION UNIT

Designed to provide quick and effective pharyngeal and tracheal suction for emergency use.

The adjustable stroke knob provides different suction pressure.

- **28181 SPARE ADULT KIT**
 Includes 300 ml bottle and 2 adult cannulas.



Jar 300 ml

TECHNICAL SPECIFICATIONS

Max vacuum -450 mmHg Weight: 260 g
 Peak free airflow:>20 l/min. Size: 185 x 70 x 168 mm
 External diameter of catheter connection: 13 and 6 mm

BREAST PUMP - MAMILAT GIMA

• 28148 MAMILAT - BREAST PUMP - 230V-50Hz

• 28159 MAMILAT - BREAST PUMP - 230V-60Hz

Easily transportable from one maternity ward to another, or for use at home. To be used for mother's milk suction. Made of highly heat-resistant, electrically insulated plastic material in conformity with the latest European safety standards. 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. Suction adjustment knob. Working time: 20 minutes ON, 40 minutes OFF.

• 28149 SPARE KIT

Includes two plastic bottles (125 cc and 250 cc) and filter.

• 28229 HYDROPHOBIC ANTIBACTERIAL FILTER - spare

TECHNICAL SPECIFICATIONS

Regulator for suction intensity - max suction -0.33 bar
 Operating voltage: 230 V - 50 Hz
 Max flow (air litres/min): 14 l/min
 Power consumption: 184 VA
 Size: 235 x 190 x 165 mm Weight: 2.2 kg
 Norms: CEI 62-5 (IEC601-1). Made in Italy

Supplied with anti-bacterial filter

5 languages manual:
 Italian, English,
 Spanish, French,
 German.



28148

BATTERY SUCTION ASPIRATORS

- 28243 SUPER VEGA BATTERY - plastic case - 16 l/min.
- 28190 SUPER VEGA BATTERY - plastic case - 30 l/min.
- 28213 TROLLEY FOR SUPER VEGA
- 28242 BATTERY FOR SUPER VEGA/TOBI - spare

With incorporated rechargeable batteries. It can operate at 12 V power supply at rechargeable batteries and, thanks to an electronic system, at 230 V while recharging batteries. Autonomy: approx 45-50 minutes. Recharging time: 120-150 minutes. Max suction: -75 bar

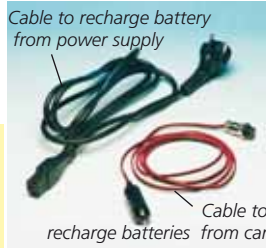
Suction power: 16 or 30 air litres/min
It has unbreakable 1,000 ml standard bottle (2,000 ml optional) autoclavable at 120°C with safety float control valve to prevent overflow.

TECHNICAL SPECIFICATIONS SUPER VEGA

Operating Voltage: 230 V AC - 12 V DC
Size: 350 x 210 x 180 mm
Weight: 4.9 kg
Max suction -0.75 bar (563 mm/Hg)
Suction power: 16 air litres/min (28243)
30 air litres/min (28190)
Norms: IEC 601-1 - Class II Type B. Made in Italy



28243



Cable to recharge battery from power supply

Cable to recharge batteries from car

CE 0123



28190

30 l/min.

STANDARD ACCESSORIES

- Bottle 1 l - autoclavable at 120°C
- Silicone tubing set
- Suction catheter
- Anti-bacterial filter
- Cable to recharge batteries from power supply
- Cable to recharge batteries from car
- User manual (English, French, Spanish, German, Italian)

30 l/min.



CE 0123

28206



Disposable suction liner, Autoclavable jar, Aspirator, Carrying bag

28259 28258

- 28241 MINI ASPEED BATTERY - metal case - 18 l/min
 - 28206 MINI ASPEED BATTERY PRO - metal case - 30 l/min
- 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 ensures 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 case.
 - 25850 SILICONE TUBE 6X12 mm - minimum 30m
 - 28254 ADAPTOR FOR CATHETER
 - 28255 HYDROPHOBIC 99% BACTERIAL FILTER
 - 28258 AUTOCLAVABLE JAR 1000 ml (with cover)
 - 28259 DISPOSABLE SUCTION LINER

Disposable suction liner inside autoclavable jar

TECHNICAL SPECIFICATIONS MINI ASPEED

Operating Voltage: 100-240 V 50/60 Hz AC - 14 V DC 4.28 A
Size: 370 x 100 x 240 mm Weight: 5.8 kg (include kit)
Max suction - 0.80 bar (650 mm/Hg) (28241) - 0.85 bar (28206)
Suction power: 30 air litres/min. (28206) 18 air l/min. (28241)
Sound level: 65 db
Norms: MDD 93/42/ECC (class IIa - annex IX)
IEC 60601-1, UNI ENISO 10079-1
Made in Italy

STANDARD ACCESSORIES

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



28258 + 28259

SUPERVEGA SUCTION ASPIRATOR ON TROLLEY

CE 0123

Vacuum indicator
Max suction:
600 mm Hg - 0.80 bar

Adjustable suction knob

Fixed height 75 cm

28191

2 l. jar

- 28191 SUPER VEGA on trolley - suction 2x2 l jar
 - 28192 SUPER VEGA on trolley - suction 2x2 l jar with footswitch
- Continuously adjustable vacuum, with indicator. Silicone connection tube. 2 jars 2 litres, made of sterilizable polycarbonate (autoclavable at 120°C). Working time: 120 min ON, 60 min. OFF. Suction power: 40 air litres/min. Steel painted frame, fitted with 5 star base. Norms CEI 62-5 (IEC 601-1) - Class II - Type B
- 28239 HYDROPHOBIC 99% BACTERIAL FILTER

TECHNICAL SPECIFICATIONS

Size: 32 x 30 x 90 h cm Weight 6.2 kg
Operating voltage: 230 V - 50 Hz.; other on request
Power consumption: 110 VA
Maximum suction: - 0.80 bar (600 mm Hg)
Flow: 40 air litres/minute
Temporary use: 120 on - 60 off
Norms CEI 62-5 (IEC 601-1) - CE 93/42 EEC
User manual (English, French, German, Italian, Spanish)
Made in Italy

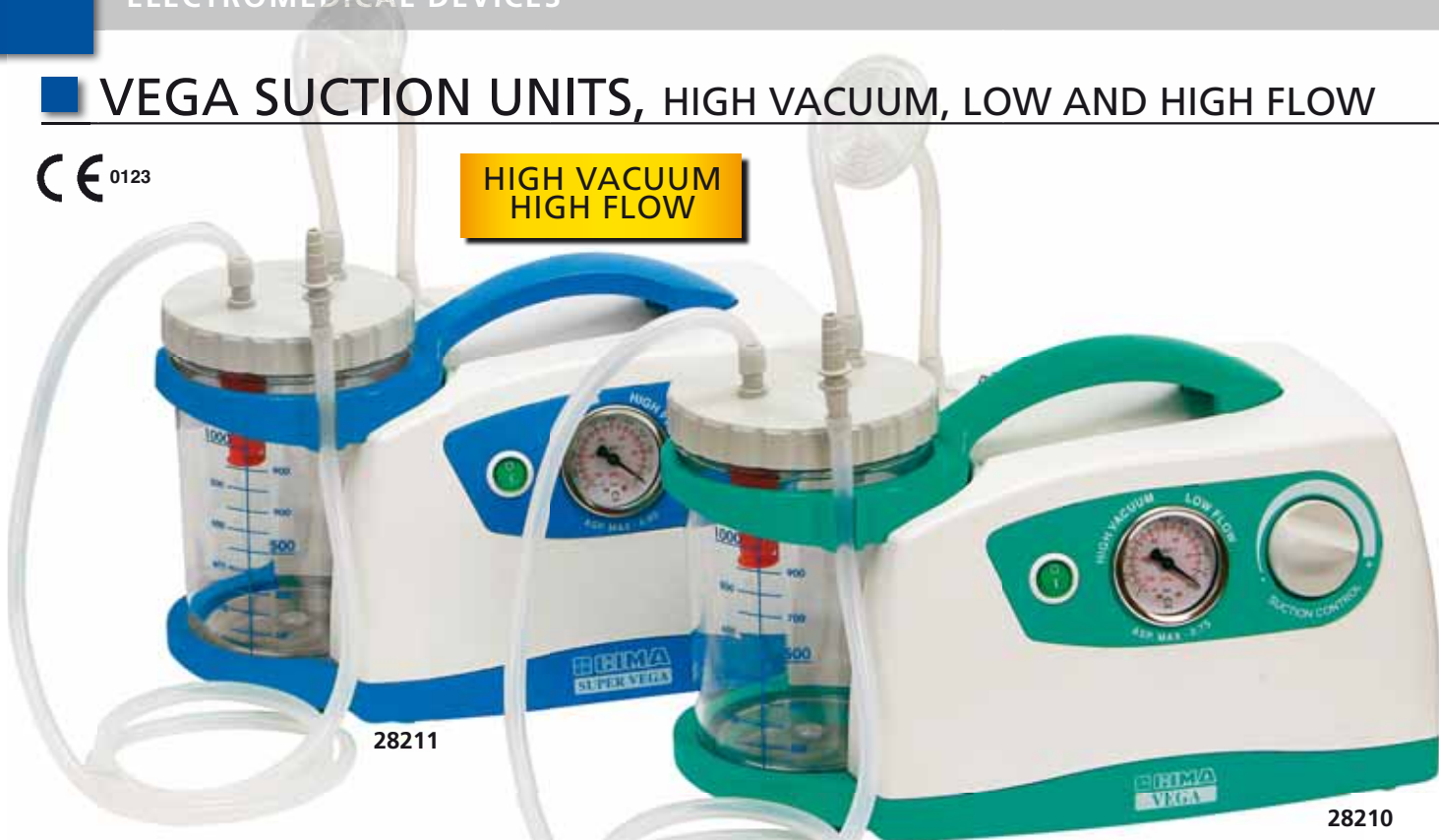


Supervega on trolley with disposable jars 28272/3 and 28274/5. See page 99

VEGA SUCTION UNITS, HIGH VACUUM, LOW AND HIGH FLOW



**HIGH VACUUM
HIGH FLOW**



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 bottle, autoclavable at 120°C, with safety float control valve to prevent overflow.

Manufactured in electric and thermal insulated plastic body.

Autoclavable and disposable collection system: In addition to standard autoclavable jar is available a disposable collection system composed by a rigid reusable container and a polyethylene disposable liner with cover, ermetically sealed, and hydrophobic, antireflux, bacterial filter operating as an overflow valve.

	TECHNICAL SPECIFICATIONS		
	28209 VEGA UNO	28210 VEGA	28211 SUPERVEGA
Operating Voltage:	230 V - 50 Hz 110 V - 60 Hz (on request)	230 V - 50 Hz 110 V - 60 Hz (on request)	230 V - 50 Hz 110 V - 60 Hz (on request)
Power consumption:	184 W	184 W	106 W
Bottle capacity:	1000 ml	1000 ml	1000 ml or 2000 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)
Temporary use:	20/40 min on/off	30/30 min on/off	120/60 min on/off
Size:	25x19x16.5 cm	35x21x18 cm	35x21x18 cm
Weight:	2.2 kg	2.5 kg	3.6 kg
Norms:	93/42/ECC	93/42/ECC	93/42/ECC
Origin:	Italy	Italy	Italy



28211
+
28213

GIMA code	VEGA SUCTION ASPIRATOR	Operating power	Flow
28209	Vega Uno	230 V - 50 Hz	15 l/m
28210	Vega	230 V - 50 Hz	16 l/m
28211	Super Vega 1l	230 V - 50 Hz	40 l/m
28212	Super Vega 2l	230 V - 50 Hz	40 l/m
28189	Super Vega 1l - on request	110 V - 60 Hz	40 l/m



1 l polycarbonate autoclavable jar with overflow safety valve

28209

28252
Adaptor to connect catheter to silicone tube



GIMA code	SPARE ACCESSORIES FOR VEGA AND TOBI LINE
28229	Hydrophobic, 99% antibacterial filter
28226	Autoclavable jar 1 l with cover and overflow valve system
28236	Autoclavable jar 2 l with cover and overflow valve system
28227	Cover and overflow valve system for 28226 and 28236
28273	Disposable liner 2 l (cover + bag)
28272	Container for disposable liner Ø 13 cm top, 9.5 cm bottom
25845	Silicone tube 6x10 mm - minimum order 30 m
28252	Adaptor to connect catheter to silicone tube
	Suction catheter - see at page 101
28213	Trolley for Vega and Super Vega (not for Vega Uno)
28276	Vacuum indicator for Vega and Super Vega (not for Vega Uno)

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	
5 languages user manual (English, French, German, Italian, Spanish)	

SUCTION ASPIRATORS HIGH VACUUM, LOW AND HIGH FLOW

- 28222 TOBI - suction aspirator 230V - 50Hz
- 28224 SUPER TOBI - suction asp. 230V - 50Hz
- 28225 SUPER TOBI - suction asp. 110V - 60Hz

Portable suction aspirators, ideal for tracheotomy and small surgery. Vacuum continuously adjustable with vacuum indicator. Have unbreakable 1,000 ml standard bottle (2,000 ml optional) autoclavable at 120°C with safety float control valve to prevent overflow. Silicone connection tube. ABS plastic case. Made in Italy



**HIGH VACUUM
HIGH FLOW**

Tobi: suction power 16 air litres/min
max suction -0.75 bar

Super tobi: suction power 40 air litres/min
max suction -0.80 bar

See spare accessories at page 99 and other accessories at page 101

STANDARD ACCESSORIES		
	Tobi	Super Tobi
Bottle 1000 ml with cover	1	1
Antibacterial Filter	1	1
Suction catheter	1	1
Silicon Tube set	1	1
User manual*	1	1

* User manual is provided in 5 languages: English, Spanish, French, German and Italian.

TECHNICAL SPECIFICATIONS		
	28222 Tobi	28224/28225 Super Tobi
Operating voltage:	230 V - 50 Hz	230 V - 50 Hz or 110 V - 60 Hz
Power consumption:	184 W	106 W
Bottle capacity:	1000 ml	1000 ml
Flow (air litres/min):	18 l/min	40 l/min
Max suction:	-0.75 bar (563mm/Hg)	-0.80 bar (600mm/Hg)
Working time: minutes	20 ON / 40 OFF	120 ON / 60 OFF
Size (cm):	37x22xh21 cm	37x22xh21 cm
Weight:	3.5 kg	5.25 kg
Norms:	IEC 601-1	IEC 601-1

PROFESSIONAL ASPIRATORS WITH METAL BOX - HIGH VACUUM

- 28244 ASPEED - suction - 230 V - single pump
- 28245 ASPEED PROFESSIONAL - suction - 230 V - double pump
- 28246 ASPEED PROFESSIONAL - suction - 110 V - double pump

For professional surgical aspiration. It requires no maintenance or lubrication and is ideal for clinical use. The piston-type electric aspirator gives high performance and great durability. It is equipped with a protective thermal cut-out relay. It is also equipped with motor-protector cap that totally prevents aspirated liquids or secretions from reaching and damaging the vacuum pump.

- 28255 HYDROPHOBIC 99% BACTERIAL FILTER
- 28258 AUTOCLAVABLE JAR 1l with cover - since 2007
- 28259 DISPOSABLE SUCTION LINER
- 25850 SILICONE TUBE 6 X 12 mm - min. order 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 1000 cc with safety valve (overflow protection)	
Disposable suction liner	
99% Antibacterial hydrophobic filter	
Sterile cannula	
Sterile manual regulator	
Set of atoxic sterilizable silicone tubes	
Power Cable	
User Manual (English, Italian, French, German, Spanish)	



TECHNICAL SPECIFICATIONS		
	28244	28245/28246
Operating Voltage:	230V-50 Hz	230V-50 Hz/110V-60 Hz
Bottle capacity:	1 l	1 l
Flow:	15 air l/min	22 air l/min
Max suction		- 0.85 bar
Size:		18.5x33x21 cm
Weight:	3.5 kg	4.5 kg
Material:		Metal case
Sound level:	55 dBA	65 dBA
Norms:		Class I Type B



HIGH VACUUM, HIGH FLOW HOSPITAL SUCTION ASPIRATOR



Standard Clinic Plus and Hospi Plus



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

New innovative range of high vacuum, high flow aspirator ideal for hospitals. Pump piston type, lubrication and maintenance free. Supplied with hydrophobic 99% bacterial filter, vacuum gauge for control of vacuum and 2 autoclavable jars (2 or 4 litres) made in makrolon with 200/400 ml graduation and double security valve. Available on request 2 or 3 litres disposable liners. Range includes version with foot switch and flow direction regulator, 110 and 230 V. Four

TECHNICAL SPECIFICATIONS

	Hospi plus	Clinic plus
Operating voltage:	110 V or 230 V - 50/60 Hz	230 V - 50/60 Hz - 110 V on request
Maximum suction:	- 0.90 bar (675 mm/Hg)	- 0.90 bar (675 mm/Hg)
Flow:	90 l/min	60 l/min
Power:	300 VA	230 VA
Norms:	CEI 62-5 (IEC 601-1) 93/42 EEC. Made in Italy	CEI 62-5 (IEC 601-1) 93/42 EEC. Made in Italy



Size: 460x850x420 mm
Weight: 20 Kg

antistatic castors, two of which with brake, allow a perfect mobility. User manual in English, French, German, Italian, Spanish. See spare accessories at page 102.

GIMA code	CLINIC PLUS / HOSPI PLUS	Jar	Power	Foot switch	Flow direction regulator
28194	CLINIC PLUS - suction aspirator	2x2l	230 V	-	-
28196	CLINIC PLUS - suction aspirator	2x4l	230 V	-	-
28198	CLINIC PLUS - suction aspirator	2x4l	230 V	yes	yes
28200	HOSPI PLUS - suction aspirator	2x2l	230 V	-	-
28199	HOSPI PLUS - suction aspirator	2x2l	110 V	-	-
28201	HOSPI PLUS - suction aspirator	2x4l	230 V	-	-
28203	HOSPI PLUS - suction aspirator	2x2l	230 V	yes	yes
28204	HOSPI PLUS - suction aspirator	2x4l	230 V	yes	yes

ACCESSORIES FOR ANY SUCTION ASPIRATOR



Autoclavable at 134 °C up to 100 times

GIMA code	SILICONE VACUUM SUCTION - AUTOCLAVABLE
29980	Silicone vacuum suction Ø 60x210 mm
29981	Silicone vacuum suction Ø 70x210 mm



GIMA code	STAINLESS STEEL CANNULA
26795	Stainless steel Frazier suction cannula Ø 2 mm
26796	Stainless steel Frazier suction cannula Ø 3 mm
26793	Stainless steel Frazier suction cannula Ø 4 mm
26794	Stainless steel Frazier suction cannula Ø 5 mm
26797	Stainless steel Frazier suction cannula Ø 1.5 mm
26798	Stainless steel Rosen suction cannula Ø 3 mm
26799	Adaptor with Luer tip and thumb valve
26807	Stainless steel Novak suction cannula for Gyn



28247

Available on request other sizes and length 60 cm

GIMA code	SUCTION CATHETER-STERILE
28247	Suction catheter CH 14 Ø 4.66 mm x 48 cm - green
28248	Suction catheter CH 16 Ø 5.33 mm x 48 cm - orange
28249	Suction catheter CH 18 Ø 6.0 mm x 48 cm - red
28250	Suction catheter CH 20 Ø 6.6 mm x 48 cm - yellow



GIMA code	STAINLESS STEEL ASPIRATION TUBE
28262	S/S Bierer Aspiration tube Ø 8 mm
28264	S/S Bierer Aspiration tube Ø 12 mm Supplied with removable connection cannula
28260	Set of uterine aspiration cannulas: each set is composed of 3 cannulas with side suction end (Ø 5,6,8 mm), 3 cannulas with front suction end (Ø 7,10,11 mm) and one handle

28262

HIGH VACUUM, HIGH FLOW HOSPITAL SUCTION ASPIRATOR



CE 0123

28232



CE 0123

28231

Ideal for hospital, these suction aspirators are manufactured in ABS. Four antistatic castors, two of which with brakes, to allow perfect mobility.

Vacuum gauge for the control of vacuum (1 bar). 2 or 4 litre jar made of autoclavable makrolon, with 200/400 ml. graduation. Each jar with double security valve. Pump piston type, lubrication and maintenance free. With anti bacterial filter. Available model with footswitch and other operating voltage (110 V). User manual in English, French, German, Italian, Spanish.

GIMA code	TOBI CLINIC / HOSPITAL	Jar	Power	Foot switch
28231	TOBI CLINIC - suction aspirator	2x2l	230 V	-
28214	TOBI CLINIC - suction aspirator	2x2l	230 V	yes
28215	TOBI CLINIC - suction aspirator	2x4l	230 V	-
28216	TOBI CLINIC - suction aspirator	2x4l	230 V	yes
28232	TOBI HOSPITAL - suction aspirator	2x2l	230 V	-
28202	TOBI HOSPITAL - suction aspirator	2x2l	230 V	yes
28233	TOBI HOSPITAL - suction aspirator	2x4l	230 V	-
28234	TOBI HOSPITAL - suction aspirator	2x4l	230 V	yes
28235	TOBI HOSPITAL - suction aspirator	2x2l	110 V	-

TECHNICAL SPECIFICATIONS

	Hospital (28202-28232/3/4/5)	Clinic (28214/5/6, 28231)
Size:	55 x 45 x h 65 cm	46 x 42 x h 60 cm
Weight:	20 Kg	13 Kg
Operating voltage:	110 V or 230 V - 50/60 Hz	110 V or 230 V - 50/60 Hz
Maximum suction:	- 0.90 bar (675 mm/Hg)	- 0.90 bar (675 mm/Hg)
Flow:	90 l/min	60 l/min
Norms:	CEI 62-5 (IEC 601-1) 93/42 EEC. Made in Italy	CEI 62-5 (IEC 601-1) 93/42 EEC. Made in Italy



CE 0123

28234

GIMA code	ACCESSORIES FOR CLINIC/HOSPITAL, CLINIC PLUS, HOSPI PLUS	To be used with
28237	Hydrophobic, 99% bacterial filter	Hospital/ Hospi plus
28239	Hydrophobic, 99% bacterial filter	Clinic/Supavega Trolley
28236	Autoclavable bottle 2l with cover overflow system	All 2 l aspirators
28227	Cover 2l with overflow valve system	28236
28228	Autoclavable* bottle 4l with cover overflow system	All 4 l aspirators
28223	Cover 4l with overflow valve system	28228
28272	Container for disposable liner 2l	All 2 l aspirators
28273	Disposable liner 2l cover+bag	28272
28274	Container for disposable liner 3l	Clinic/Hospital/ Hospital plus 2 l
28275	Disposable liner 3 l cover+bag	28274
25851	Silicone tube 8x14	Clinic/Hospital
28253	Adapter to connect catheter to silicone tube	25851
	Suction catheter see at page 101	28253
28276	Vacuum indicator	Clinic
28277	Vacuum indicator	Clinic plus/Hospi Plus Hospital

*Bottles are autoclavable at 120°C



BIOLOGICAL MICROSCOPES - MAGNIFICATION 40X-1600X

• 31001 BIOLOGICAL MICROSCOPE - 40X to 1600X

High level microscope with high resolution and transmission

Main features:

- Compensation free binocular head
 - Eyepiece WF 10X, P16X
 - Semi-plan achromatic objectives 4X, 10X, 40X(s), 100X(s, oil)
 - Quadruple nosepiece
 - Mechanical stage double layers 140 x 140 mm / movement range 75 x 50 mm
 - Halogen lamps illumination 220V-50Hz/6V 20W (switchable at 110V)
- 31005 SPARE BULB (for 31000 and 31001)**



Fine focusing knob

Precise focusing system. Easier comparing test with dual slides finger of mechanical stage.

Big Operating Space with Backwards Nosepiece. Sharp Image with high quality objectives.

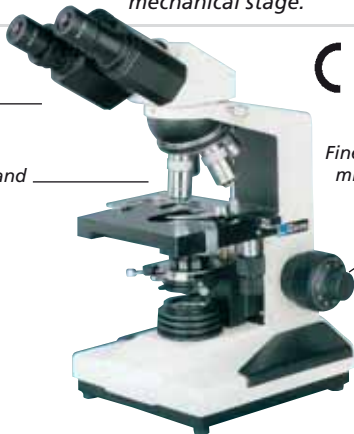


31001

UNIVERSAL CAMERA FOR MICROSCOPES
see code 72566 page 137

Binocular system

Quadruple nosepiece and objectives



Fine focusing knob minimum division 0.002 mm

31000

• 31000 BIOLOGICAL MICROSCOPE - 40 to 1000X

- 30° compensation free binocular head
- Eyepiece 10X (Field 18 mm)
- Achromatic objectives 4X, 10X, 40X(S), 100X(S, oil)
- Total magnification 40x, 100x, 400x, 1000x, depending on objective
- Interpupillary distance adjustment: from 55 to 75 mm
- Mechanical stage, double layers 125 x 135mm
- Movement range: 75 x 35mm
- Abbe condenser with iris diaphragm and filter
- Halogen lamp 6V, 20W - brightness adjustment
- Power supply: 220V - 50Hz (switchable at 110V)

• 31005 SPARE BULB (for 31000 and 31001)

CENTRIFUGES FOR PLASMA AND MICROHEMATOCRIT

• 24030 ULTRA 8 CENTRIFUGE

Strong and very stable plasma centrifuge made of aluminium alloy. Ideal for routine separation of blood, urine and other fluids. Provided with a variable speed selector at fixed speeds (800, 1500, 1800, 3300 rpm) and a 30 minutes timer. It includes holder to accommodate 8 tubes, any size, from 15 ml to 3 ml.



Impact resistant locking lid

24030

One piece metal body

TECHNICAL SPECIFICATIONS

Nominal RCF: 1327 g
8 tube capacity (2-15 ml)
Maximum volume 120 ml
Safety off switch in lid
On/Off indicator light
Plastic rotor housing
Clear Locking lid
Power: 220 volt
Weight: 7 Kg
Dimensions: 330x330xh260 mm

• 24035 XC-2000 CENTRIFUGE

Very silent plasma centrifuge with 6 tube positions, provided with electronic counter to allow precise speed setting from 1000 rpm to 4000 rpm (500 rpm increments). It is supplied with holder for 6 tubes of 10 ml and holder for 6 tubes of 15 ml. Operating time is adjustable from 1 to 60 min. Strong ABS structure.



24035

• 24040 TEST TUBE 10 ml box of 100 pcs

TECHNICAL SPECIFICATIONS

Power Supply: 220V - 50hz
Power: 80 W
Speed: Approx 1000-4000 rpm (increased in increments of 500 rpm's)
Time: 1-60 min
Capacity: 15 ml or 10 ml x 6
Max. RCF: 1790 g

• 24025 MICROHEMATOCRIT CENTRIFUGE - 180 sec.

Economic system, easy to use, fully automatic with led indicators, no vibration, silent, rapid and provided with rechargeable battery. Useful for: small labs, office labs, blood drawing areas, pediatric, neonatal settings, dialysis centers, emergency room labs, veterinarians, sample prep for stat chemistries.

• 24026 CAPILLARIES for microhematocrit - tube of 500 made of glass
9 microliters
length: 32 mm
Ø 1.5 mm



24025

24026

TECHNICAL SPECIFICATIONS

Power: Rechargeable battery (battery charger supplied 100 ÷ 240V plug in).
Dimensions: 136 mm (L) x 215 mm (W) x 122 mm (H)
Weight: Approx 1.2 Kg.

