Medical
Suction Units

Medicop®
EQUIPMENT SPECIALIST

Medicop
Medical Equipment

Dear clients,

With present brochure we would like to introduce our newest medical suction units, which comply with demands of relevant international standards and include the most advanced technical solutions, based on our 30 years experiences with production of medical equipment. In this brochure you will find the most important benefits which devices offer, while detailed technical data and drawings are available in our Technical Catalogue.

Our entire production program of medical equipment includes the following product-groups:

- Central System of Medical Gases
- Medical Suction Units
- Oxygen Therapy Devices
- Bed Head Units
- Medical Supporting Equipment

Content

ELECTRICAL POWERED SUCTION UNITS

Vacumed synonym for quality

VACUMED, a trade mark of electrical powered suction units of the Medicop is a synonym for quality and of precise performance of various aspiratory interventions.

The basic element of the device is an electrical membrane pump which creates a vacuum and is valued especially for high efficiency, long life and silent operation as well as minimal service or maintenance.

Regarding the capacity of the vacuum pump we offer two standard models of electrical powered suction units:

- VACUMED 390 with the suction capacity of 39 l/min and
- VACUMED 600 with the suction capacity of 60 l/min.

HOW IS THE FRAMEWORK DESIGNED?

The framework is designed so that it allows manual transportation of the device and at the same time the installation of a so called safety jar on one side and the suction jar on the other side.

Additionally the device can be equipped with a trolley and be made into a mobile device. The trolley with four wheels allows installation of additional suction jars of various capacities. The basic equipment of each device includes a bacterial filter, silencer, all connecting and aspirating tubes and a holder for fixing the aspirating tubes.

HOW IS THE USE OF VACUMED SUCTION UNITS?

The use of VACUMED suction units is rather simple. The device is switched on with the hand or foot switch. With a regulation button the desired vacuum power is selected and then displayed on the manometer, placed in the middle of the dashboard plate.

Aspirated liquid is collected in suction jars. Every suction jar cover is equipped with a shut-off valve, which prevents liquid from entering the device. Reusable suction jars are made of polysulfon and can be cleaned with sterilisation to 134°C. Suction bags for single use allow more comfortable work than reusable suction jars.

The aspirated liquid is collected in a plastic bag and when full it is closed and removed together with the cover. The suction bag cover is equipped with a shut-off valve, which prevents liquid from entering the device and with an additional cork which prevents the liquid to flow out of the suction bag when it is full.

ELECTRICAL POWERED
SUCTION UNITS

VACUMED
synonym for quality

VACUMED – ELECTRICAL SUCTION UNIT

TECHNICAL DATA	
Voltage:	220 - 230 V / 50 Hz or 220 - 230 V / 60 Hz or 110 V / 60 Hz
Max. suction power:	-0.9 bar
Free air flow:	39 l/min (VACUMED 390) 60 l/min (VACUMED 600)
Dimensions:	370 × 250 × 290 mm (without a trolley) 420 × 420 × 960 mm (with a trolley)
Weight:	8. 5 kg (without a trolley) 16 kg (with a trolley)
Standard:	ISO 10079-1
Classification by MDD 93/42:	IIa

Mobile VACUMED with reusable 2 liter jars

Mobile VACUMED with disposable bags - 3 liter

AVAILABLE MODELS	
1548000	VACUMED 600 (60 l/min), power: 220 - 230 V/50 Hz or 220V/60Hz, or 110V/60Hz including all tubes and bacterial filter
1548001	VACUMED 390 (39 l/min), power: 220 - 230 V/50 Hz or 220V/60Hz, or 110V/60Hz including all tubes and bacterial filter
CONFIGURATION	
1548100	Trolley for VACUMED, including rail system and four castors
1548300	Reusable safety jar for VACUMED, capacity: 300 ml
1700001	Suction jar 1000 ml with cover, reusable
1700009	Rail carrier for suction jar of capacity 1000 ml
1700014	Suction jar 2000 ml with cover, reusable
1700015	Rail carrier for suction jar of capacity 2000 ml and bag-canister of capacities 1000,2000,3000 ml
1700010	Suction jar 4000 ml with cover, reusable
1700012	Rail carrier for suction jar of capacity 4000 ml
1550042	Canister for suction bag, 1000 ml
1550046	Suction bag for single use, 1000 ml
1550043	Canister for suction bag, 2000 ml
1550047	Suction bag for single use, 2000 ml
1550044	Canister for suction bag, 3000 ml
1550048	Suction bag for single use, 3000 ml
1700015	Rail carrier for suction jar of capacity 2000 ml and bag-canister of capacities 1000,2000,3000 ml
OPTIONAL ACCESSORIES	
1549000	Change over valve for suction jars (to switch-over from full jar to the empty one)
1548400	Foot switch for VACUMED, complete with connecting cable
1548401	Electro-control unit of foot-switch for VACUMED

Portable VACUMED with 2 liter jar

Portable VACUMED with disposable bag - 1 liter

GAS POWERED SUCTION UNITS

Vacuum powered suction units

Vacuum powered suction units are connected to the central vacuum system directly or with a connector on a flexible tube. The basic device (vacuum regulator) consists of regulation button, manometer, shut-off valve, central system connector, outlet connectors, bacterial filter and as optional equipment a safety jar with the shut-off valve, which prevents the liquid from entering the device.

In the combination with various suction jars a vacuum regulator can form various types of suction units:

- portable suction unit with reusable suction jars,
- portable suction unit with suction bags for single use,
- mobile suction unit of the operational field.

The manometer and the safety jar with the outlet connector can be rotated, so that the user can always put them in the most convenient position.

1510004 Vacuum regulator (0 to -1.0 bar), rail mounted, including safety jar, bacterial filter, silicone tube ø6 mm and inlet probe

1510007 Vacuum regulator (0 to -1.0 bar), rail mounted, including bacterial filter, silicone tube ø6 mm and inlet probe

TECHNICAL DATA	
Vacuum regulation range:	from 0 to - 1.0 bar from 0 to - 0.25 bar
Inlet pressure:	min -0.60 bar
Max. suction power:	-0.9 bar -0.25 bar
Free air flow:	40 l/min (25 l/min at -0.60 bar)
Dimensions (mm):	110 × 140 × 160 (without a safety jar) 110 × 140 × 160 (with a safety jar) 500 × 750 × 450 (ID 1540002) 450 × 300 × 170 (ID 1550001, 1500002)
Weight - kg (total):	0.40 kg (without a safety jar) 0.70 kg (with a safety jar) 8.50 kg (model 1540002) 3.50 kg (model 1550001) 3.70 kg (model 1500002)
Standard:	ISO 10079-3
Classification by MDD 93/42:	IIa

1510011 Vacuum regulator (0 to 250 mbar), directly, including safety jar, bacterial filter, silicone tube ø6 mm and inlet probe

1510006 Vacuum regulator (0 to -1.0 bar), directly, including safety jar, bacterial filter, silicone tube ø6 mm and inlet probe

1510005 Vacuum regulator (0 to -1.0 bar), directly, including bacterial filter, silicone tube ø6 mm and inlet probe

GAS POWERED
SUCTION UNITS

Vacuum
powered suction units

AVAILABLE MODELS	
1510004	Vacuum regulator (0 to -1.0 bar), rail mounted, including safety jar, bacterial filter, silicone tube ø6mm and inlet probe
1510007	Vacuum regulator (0 to -1.0 bar), rail mounted, including bacterial filter, silicone tube ø6mm and inlet probe
1510006	Vacuum regulator (0 to -1.0 bar), directly, including safety jar, bacterial filter, silicone tube ø6mm and inlet probe
1510005	Vacuum regulator (0 to -1.0 bar), directly, including bacterial filter, silicone tube ø6mm and inlet probe
1510014	Vacuum regulator (0 to 250 mbar), rail mounted including safety jar, bacterial filter, silicone tube ø6mm and inlet probe
1510013	Vacuum regulator (0 to 250 mbar), rail mounted, including bacterial filter, silicone tube ø6mm and inlet probe
1510011	Vacuum regulator (0 to 250 mbar), directly, including safety jar, bacterial filter, silicone tube ø6mm and inlet probe
1510012	Vacuum regulator (0 to 250 mbar), directly, including bacterial filter, silicone tube ø6mm and inlet probe
1540002	Mobile suction unit, vacuum powered, complete with two suction jars (4000ml), safety jar, bacterial filter, trolley with a jar carrier including antistatic wheels and all necessary tubes and inlet connector
1550001	Portable suction unit with two bags for single use and rail bracket, vacuum poweredcomplete with all tubes, filters and inlet connector
1500002	Portable suction unit with two reusable suction jars and rail bracket, vacuum powered, complete with all tubes, filters and connectors

AVAILABLE INLET CONNECTIONS
German, French, British, Italian, Japan, Australian

1550001 Portable suction unit with two bags for single use and rail bracket, vacuum poweredcomplete with all tubes, filters and inlet connector

1500002 Portable suction unit with two reusable suction jars and rail bracket, vacuum powered, complete with all tubes, filters and connectors

1540002 Mobile suction unit, vacuum powered, complete with two suction jars by choice (reusable suction jars: from 1000 to 4000 ml or suction bags for single use: from 2000 ml to 3000 ml), safety jar, bacterial filter, trolley with a jar carrier including antistatic wheels and all necessary tubes and inlet connector

GAS POWERED SUCTION UNITS

Compressed air powered suction units

Compressed air powered suction units generate the vacuum with the compressed gas, usually air.

For the conversion of compressed air into the vacuum, a so called ejector is used. The ejector can be connected to the central system of compressed gas directly or with a connector on a flexible tube, whereas compressed gas from a cylinder can also be used.

A button for fine and rough vacuum regulation, a manometer (from 0 to -1.0 bar) for the display of currently selected vacuum power, a silencer, connecting accessories, a bacterial filter and an optional safety jar with a shut-off valve which prevents the liquid from entering the device are installed on the ejector.

In the combination with various suction jars an ejector can form various types of suction units;

- portable suction unit with reusable suction jars,
- portable suction unit with suction bags for single use,
- mobile suction unit of the operational field.

1510003 Ejector, powered from compressed air or oxygen drive, rail mounted including safety jar, bacterial filter, silicone tube ø6mm and inlet probe

1700013 Ejector, powered from compressed air/oxygen drive, directly including bacterial filter, silicone tube ø6mm and inlet probe

COMPRESSED AIR OR OXYGEN POWERED SUCTION UNITS

TECHNICAL DATA	
Vacuum regulation range:	from 0 to -1.0 bar
Max. suction power:	-0.9 bar
Inlet pressure:	working 2.7 - 5.5 bar
Free air flow:	15 l/min, or 25 l/min
Dimensions (mm):	A- connector (100 + A) × 50 × 145 (without a safety jar) (100 + A) × 140 × 145 (with a safety jar) 500 × 750 × 450 (ID 1540001) 450 × 300 × 170 (ID 1500001, 1550000) A - BS 60 mm
Weight – kg (total):	0.65 kg (without a safety jar) 1.0 kg (with a safety jar) 8.80 kg (ID 1540001) 3.70 kg (ID 1500001) 3.50 kg (ID 1550000)
Temperature:	working 0 to 40°C
Standard:	ISO 10079-3
Classification by MDD 93/42:	IIa

1540001 Mobile suction unit, compressed air/oxygen powered, complete with two suction jars by choice (reusable suction jars: from 1000 to 4000 ml or suction bags for single use: from 2000 ml to 3000 ml), safety jar, bacterial filter, trolley with a jar carrier including antistatic wheels and all necessary tubes and inlet connector

GAS POWERED SUCTION UNITS

Compressed air powered suction units

AVAILABLE MODELS	
1510008	Ejector, powered from compressed air or oxygen drive, rail mounted including bacterial filter,silicone tube ø6mm and inlet probe
1510003	Ejector, powered from compressed air or oxygen drive, rail mounted including safety jar, bacterial filter, silicone tube ø6 mm and inlet probe
1700013	Ejector, powered from compressed air/oxygen drive, directly including bacterial filter, silicone tube ø6 mm and inlet probe
1510009	Ejector, powered from compressed air/oxygen drive, directly including safety jar, bacterial filter, silicone tube ø6mm and inlet probe
1540001	Mobile suction unit, compressed air/oxygen powered, complete with two suction jars by choice (reusable suction jars: from 1000 to 4000 ml or suction bags for single use: from 2000 ml to 3000 ml), safety jar, bacterial filter, trolley with a jar carrier including antistatic wheels and all necessary tubes and inlet connector
1500001	Portable suction unit with two reusable suction jars and rail bracket, compressed air/oxygen powered, complete with all tubes, filters and inlet connector
1550000	Portable suction unit with two bags for single use , compressed air/ oxygen powered complete with all tubes, filters and inlet connector

AVAILABLE INLET CONNECTIONS
German, French, British, Italian, Japan, Australian

1500001 Portable suction unit with two reusable suction jars and rail bracket, compressed air/oxygen powered, complete with all tubes, filters and inlet connector

1550000 Portable suction unit with two bags for single use , compressed air/oxygen powered complete with all tubes, filters and inlet connector

Permanent drainages

Permanent drainages are used for protracted aspiratory interventions. The vacuum source goes through a water column which enables setting of low level vacuum rate in range between 0 and -0.05 bar.

AVAILABLE MODELS	
1520002	Portable permanent drainage, vacuum powered
1520001	Portable permanent drainage, compressed air powered
1530002	Rail mounted permanent drainage, vacuum powered
1530001	Rail mounted permanent drainage, compressed air powered

1520002
Portable permanent drainage, vacuum powered

VACUMED - electrical powered drainage system

ACCESSORIES

Reusable Suction Jars

Reusable suction jars are produced of polysulfon and can be cleaned with sterilisation to 134°C. Before use it is advisable to attach them to rail system with an appropriate connector or in the specially designed carrier on the suction unit. Every suction jar cover usually has two connectors. On the vacuum connector the vacuum tube is placed and on the patient connector you place the aspirating tube. Every suction jar cover is additionally equipped with a shut-off valve, which prevents liquid from entering the device.

1700001
Suction jar 1000 ml
with cover, reusable

1700014
Suction jar 2000 ml
with cover, reusable

1700010
Suction jar 4000 ml
with cover, reusable

1700009
Rail carrier for suction
jar, 1000 ml

1700015
Rail carrier for suction
jar, 2000-3000 ml

1700012
Rail carrier for suction
jar, 4000 ml

1700032
Wall carrier for suction
jar, 1000 ml

1700028
Wall carrier for suction
jar, 2000 ml

1700035
Wall carrier for suction
jar, 4000 ml

Suction Bags for Single Use

Suction bags for single use allow more comfortable work than reusable suction jars. Before use they must be placed into a plastic bottle, which is attached to the rail system or into the specially designed carrier on the suction unit. Aspirated liquid is collected in a plastic bag and when full it is closed and removed together with the cover. Every suction bag cover usually has two connectors. On the vacuum connector the vacuum tube is placed and on the patient connector you place the aspirating tube. The suction bag cover is additionally equipped with a shut-off valve, which prevents liquid from entering the device and with a special cork, which prevents the outflow of liquid when the bag is full.

1550046
Suction bag
for single use 1000 ml

1550042
Canister for suction
bag 1000 ml

1550048
Suction bag
for single use 3000 ml

1550044
Canister for suction
bag 3000 ml

1550047
Suction bag for
single use 2000 ml

1550043
Canister for suction
bag 2000 ml

1700015
Rail carrier for suction
jar, 2000-3000 ml

ACCESSORIES

Available connections

Vacuum

1047007
Inlet probe for vacuum,
DIN standard

1047004
Inlet probe for vacuum,
BS standard

1047003
Inlet probe for vacuum,
AFNOR standard

1047028
Inlet probe for vacuum,
C&U standard

1047023
Inlet probe for vacuum,
CIG standard

1048025
Inlet probe for vacuum,
SS standard

Air

1046007
Inlet probe for AIR,
DIN standard

1046004
Inlet probe for AIR,
BS standard

1046003
Inlet probe for AIR,
AFNOR standard

1047026
Inlet probe for AIR,
C&U standard

1047021
Inlet probe for AIR,
CIG standard

1048015
Inlet probe for AIR,
SS standard

Consumables

1610070
Hose holder for rail

1540101
Aspirating accessory
with fingertip

1700022
Bacterial filter for silicon hose

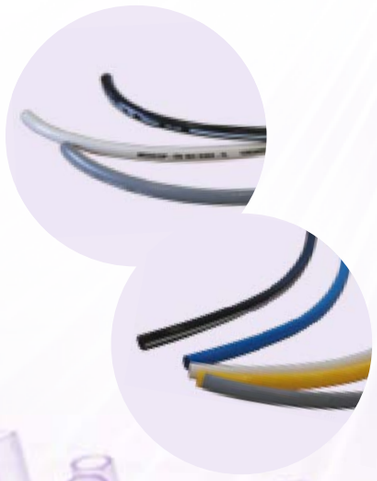
Flexible hoses

1540100
Silicon hose ø12/6 mm

1050000
Silicon hose ø17/11 mm

Switch

1548400
Foot switch for VACUMED



1053001 Flexible pressure hose ø12/6 mm; yellow color
1053002 Flexible pressure hose ø12/6 mm; blue color
1053003 Flexible pressure hose ø12/6 mm; white color
1053004 Flexible pressure hose ø12/6 mm; grey color
1053005 Flexible pressure hose ø12/6 mm; black color
1053006 Flexible pressure hose ø12/6 mm; green color
1053007 Flexible pressure hose ø12/6 mm; black-white color

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All products comply with:
MDD 93/42/EEC and 2007/47/EEC

CE