RVTM3

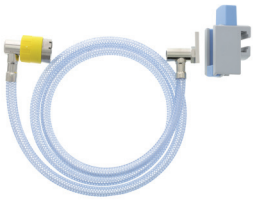
SUCTION

VACUUM REGULATORS

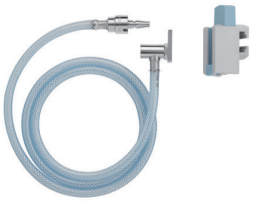
TECHNOLOGIE MEDICALE

English Version • 11/2018

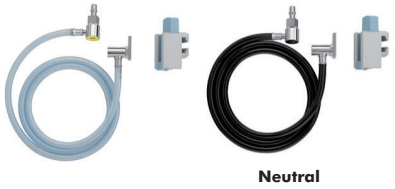
RAIL MOUNTING SYSTEMS



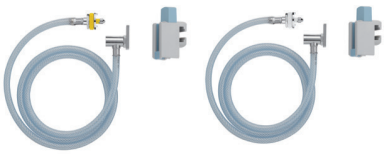
AFNOR rail mounting systems



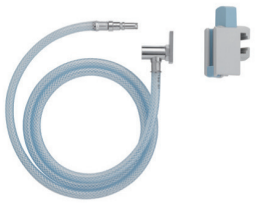
BS rail mounting systems



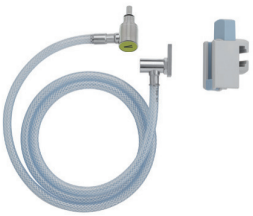
DIN rail mounting systems



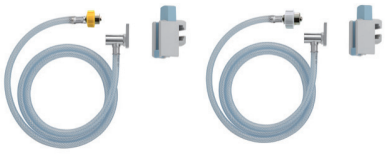
US OHMEDA rail mounting systems



NORDIC rail mounting systems



UNI rail mounting systems



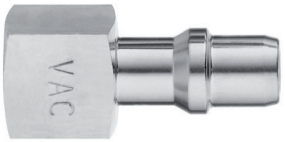
DISS rail mounting systems

Other standards available upon request.

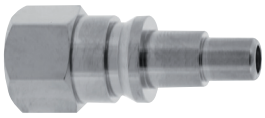
DIRECT PROBES

AFNOR direct probes

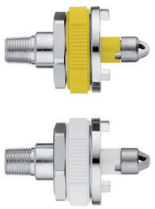
BS direct probes



DIN direct probes

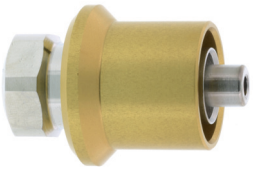


CZECH direct probes

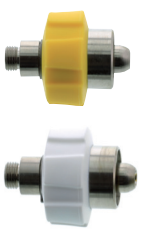


US OHMEDA direct probes

NORDIC direct probes



CARBUROS direct probes



DISS direct probes

UNI direct probes

Other standards available upon request.

RVTM3

The vacuum regulator is used to measure and to adjust the vacuum level within the context of surgical and medical suctions. It enables to drain substances out of the patient's body during surgical procedures. The vacuum regulator should be connected to a vacuum source on the wall either using a direct probe or a rail mounting system. It is the primary device of a suction system. It should be associated with a collection jar and a suction hose.

Main technical features:

Active medical device of class IIa.
In compliance with the EN ISO 10079-3 standard.

- **Continuous vacuum regulator.**
- **Compact, strong and ergonomic device.**
- **Manual adjustment of the vacuum gauge from -45° to +45°** for a better visibility. Vacuum gauge protected by a plastic housing.
- **ON/OFF switch-button** providing a quick restoration of the pre-adjusted vacuum level.
- **Central regulation knob** with a free rotation at the end of the course (impossible blocking).
  Quick adjustment: 2.5 turns are enough to reach the maximum vacuum level.
- **Supplied as a standard with a 100 ml safety jar** equipped with a mechanical anti-overflow safety valve and a single-use antibacterial plastic filter up-front. Made of polycarbonate, autoclavable up to 134°C and unbreakable, this safety jar does not require any sterilization except in case of accidental liquids' overflow or perforated filter. Money and time savings are guaranteed!
- **Fixing of the safety jar by an easy-click rotation.**
- **Rotation of the safety jar to avoid any pinch of the tubing.**
- **3 in 1 system** (patented)
  Device with **a metal outlet tubing nipple integrated in the body of the regulator:** for a better safety, emergency suctions can even be processed if running out of stock of filters or safety jars.
- **Easy & safe maintenance**
  Easy and safe replacement of the vacuum gauge if needed. The inner system of the regulator is protected but accessible at the back of the device.
- **A unit serial number is laser engraved on the body of each vacuum regulator** ensuring its identification and traceability. 8 digits number indicating the manufacturing year and month as well as the unit serial number of the device.

Many versions available:

- Vacuum levels:
  0-1000 mbar/hPa - 0-760 mmHg
  0- 600 mbar/hPa - 0-400 mmHg
  0- 250 mbar/hPa - 0-200 mmHg
- Configurations: Single and Twin.
- Colors: Yellow and Grey.
- Inlets: 12x100 F – 1/4G M – 1/8NPT F – 3/8G BSP F.
- Connections to the wall outlet: Direct probe or Rail mounting system.
- Standards: AFNOR (French Standard) – BS (British Standard) – DIN (German Standard) – US OHMEDA DIAMOND (American Standard) – DISS (American Standard) – NORDIC (Scandinavian Standard) – UNI (Italian Standard).
  Other standards available on demand.
- Weight (with direct probe): 490 g.
- Dimensions (with safety jar and direct probe):
  Height 230 mm x Width 70 mm x Depth 90 mm.

Use, cleaning and maintenance:

The adjustment of the vacuum regulator must be done in a closed suction circuit.

- Block the outlet of the RVTM3 vacuum regulator
- Open the ON/OFF switch-button (green part visible)
- Gradually turn the central regulation knob counterclockwise till the needle of the gauge indicates the requested suction level.

Clean the exterior of the device with water and soap. Rinse and dry. If using disinfecting products please check their compatibility with plastics (ABS, polypropylene, polyamide). Do not lay under water.

Change the antibacterial plastic filter of the safety jar after each patient: firmly pull out the filter while making a rotating movement and insert a new filter by pushing it until click-lock adjustment.

The 100 ml safety jar with plastic filter up-front, being protected by the filter at the inlet, does not require any sterilization except in case of accidental liquids' overflow or perforated filter. The safety jar is autoclavable up to 134°C.

The RVTM3 should be serviced every 1 to 3 years depending on use.

It is recommended to lubricate the ON/OFF switch-button every year with a silicone "High Vacuum Grease" (ref. 11853).

Single-use filters:

- Ref. 11813: Tube of 10 antibacterial plastic filters.
  Same filters for both RVTM2 and RVTM3 vacuum regulators

Filter = Cleanness of the circuits and fight against nosocomial infections.
Change the filter for each new patient!

info@technologiemedicale.com | www.technologiemedicale.com
TECHNOLOGIE MEDICALE

Patented model

Compact, strong and ergonomic device.

Vacuum gauge manually adjustable from -45° to + 45° for a better visibility.
Protected by a plastic housing.

ON/OFF switch-button providing a quick restoration of the pre-adjusted vacuum level.

Central regulation knob with a free rotation at the end of the course (impossible blocking).
Quick adjustment: 2.5 turns are enough to reach the maximum vacuum level.

Fixing of the safety jar by an easy-click rotation.

Rotation of the safety jar to avoid any pinch of the tubing.

100 ml safety jar made of polycarbonate, unbreakable, autoclavable up to 134°C and equipped with a mechanical anti-overflow safety valve.

Single-use antibacterial plastic filter up-front

- Hygiene: protection of the patient, the device and the vacuum pipeline network;
- Useless sterilisation: time and costs' savings;
- Perfect visibility of the clogging level.

Easy and safe maintenance.

Very good readability of the serial number on the body of the device: clean and precise laser marking.

3 in 1 system

Patented

- Normal use

❶ With safety jar + antibacterial filter
Optimal protection of the device and the vacuum pipeline network.
This use is highly recommended by the manufacturer.

- Emergency use

❷ With outlet tubing nipple + antibacterial filter

❸ With outlet tubing nipple
The metal outlet tubing nipple is **integrated in the body of the vacuum regulator** thus reducing the manipulations and avoiding the risk of losing the nipple.
Emergency use in case the safety jars and the antibacterial filters run out of stock.

RV01-E

RVTM3 vacuum regulator 0-600 mbar, yellow, with 100 ml safety jar and DIN direct probe.

RV02-E

RVTM3 vacuum regulator 0-400 mmHg, grey, with 100 ml safety jar and BS direct probe.

RV03-E

RVTM3 vacuum regulator 0-1000 mbar, yellow, with 100 ml safety jar and AFNOR complete rail mounting system.

RV04-E

RVTM3 Twin vacuum regulator 600-1000 mbar, yellow, mounted with 100 ml safety jars and AFNOR direct probe.

RV05-E

RVTM3 vacuum regulator 0-250 mbar, grey, with integrated outlet tubing nipple and OHMEDA direct probe.

RV06-E

Complete suction system composed of:
One RVTM3 vacuum regulator mounted with AFNOR complete rail mounting system, one 2 L collection jar, one catheter holder 1 tube, silicone suction tubing and one vacuum–stop.