RVTM3 Vacuum/Suction Regulator

The RVTM3 vacuum/suction continuous flow regulator is used to measure and to adjust the vacuum level within the context of surgical and medical suction procedures. It enables the user to drain substances out of the patient's body during surgical procedures.

The vacuum regulator is connected to a vacuum source on the wall using the handwheel inlet. It is the primary device of a suction system. It should be used with a collection jar system and a suction hose.

The standard model comes with a rotatable pressure gauge and 100ml click on safety jar that incorporates a mechanical anti-overflow valve and an easily replaceable antibacterial plastic filter. The plastic filter is enclosed in a housing ensuring maximum user protection when changing filters. Other models are available with a range of different outlet accessories.

There are three outlet pressure range models, high (up to full inlet pressure), medium pressure (up to -60 kPa) and low pressure (up to –25 kPa).

- Stylish, robust, easy to use design
- Integral anti-overflow and antibacterial filter
- Three working pressure range models
- Range of outlet accessories on threaded models
- High flow capacity
- Laser etched serial number for traceability and asset control
- CE certified and labelled
- Serviceable

Specifications:

Inlet Pressure:	0 to - 100 kPa (0 to - 760mm Hg)
Outlet Pressure:	0 to - 100 kPa (0 to - 760 mmHg) 0 to - 60 kPa (0 to - 400 mmHg) 0 to - 25 kPa [#1] (0 to – 190 mmHg)
Inlet Fitting:	Vacuum/Suction sleeve indexed handwheel as per AS2896/AS2902
Outlet Fitting:	Taper nipple to suit 6- 9mm suction tubing, or 1/2" BSP to match accessories [#2]
Filter:	0.3 µm
Flow Capacity:	110 l/min[#3]
Weight:	0.49 kg
Dimensions:	230x70x90mm

Materials:

Body:	ABS
Safety Jar:	Polycarbonate
Filter:	Borosilicate fibreglass & laminated polyester in polypropylene housing
Knobs:	ABS
Seals:	Nitrile

ORDERING INFORMATION

Model	Description
G8920	Vacuum regulator RVTM3 -100 kPa click on safety jar
G8921	Vacuum regulator RVTM3 -60 kPa click on safety jar
G8922	Vacuum regulator RVTM3 -25 kPa click on safety jar

#1 - low outlet pressure model
#2 - G1/2 outlet models come with separate outlet hose barb nipple (6 – 9mm) for connection to external collection jar
#3 - The flow capacity is based on a vacuum pipeline supplying at least 160 l/min

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RVTM3 FEATURES

Pictured model shown with overseas mbar pressure gauge dial face

Compact and ergonomic design.

Gauge can be manually rotated ± 45° for improved visibility.

Gauge protected by a plastic housing.

Safety jar is able to be rotated ± 45° to avoid any pinching of the tubing

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

Free rotating regulating control knob, (does not lock when fully adjusted out).

Quick pressure adjustment, 2.5 turns is enough to reach the maximum vacuum level.

Quick connect/disconnect safety jar by an easy-click rotation.

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

Laser etched serial number traceability and asset control.

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;
- High visibility of any contamination.

3 in 1 Connection System

· Normal use

❶ With click fit safety jar and antibacterial filter

Optimal protection of the vacuum regulator and the vacuum pipeline system.

This setup is the one recommended by the manufacturer.

· Emergency use

Emergency use, in cases where the safety jars and the antibacterial filters are damaged, lost or have run out of stock.

❷ Without antibacterial filter

In emergencies, suction tubing can be connected directly to the safety jar.

❸ Without safety jar

In emergencies, suction tubing can be connected directly to the metal outlet tubing nipple (with or without antibacterial filter).

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100 ml CLICK FIT SAFETY JAR WITH SINGLE-USE ANTIBACTERIAL PLASTIC FILTER UP-FRONT

Easy and quick replacement of the filter.
No need to sterilize the safety jar after each filter replacement as the safety jar is protected by the filter at the inlet.

Technical and financial advantages of the antibacterial plastic filter up-front:

Hygiene: Very hygienic system limiting the contamination risk of the regulator and the vacuum pipeline system. The plastic housing avoids any direct contact with a contaminated filter.

Visibility of the contamination level: Thanks to its vertical "up-front" position, the antibacterial plastic filter is visible even from a distance. As a result it is very easy to check any contamination and to warn the medical staff about the necessity to replace it in the case of a long-stay patient.

Very easy replacement of the filter: Firmly pull out the filter while making a rotating movement, throw it away and insert a new filter by pushing it until lock in place.

Significant time savings: The safety jar is protected by the filter at the inlet. Thus there is no need for systematic sterilization except in case of accidental liquid overflow or perforated filter. The very long cleaning and autoclave process of the jar is then avoided.

Generated costs' savings: The easy and quick replacement of the filter as well as the occasional sterilization of the safety jar both generate significant time savings thus improving the operation costs.

Possibility of connecting the safety jar without filter: In case of emergency or in case the filters run out of stock.

Change the filter for each new patient!
By replacing the filter after each patient you take part in the fight against nosocomial infections.

WHY AN ANTIBACTERIAL FILTER?

Suction may generate airborne contamination which could contaminate the devices, the connecting probes, the wall outlets, the pipeline networks and the vacuum pumps. In addition, when out of use bacteria may, without any filter, freely circulate into the patient circuit.

Filter = Cleanliness of the circuits and fight against nosocomial infections.

Single Use Antibacterial Plastic Filter:

For use with 100 ml click on and G1/2" screw safety jars. These plastic filter come mounted in a plastic housing which allows for simple and safe removal and replacement.

P/N 11813 Antibacterial plastic filters (Tube of 10)

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