

RVTM3

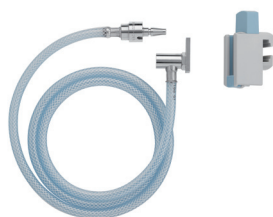


SUCTION
VACUUM REGULATORS

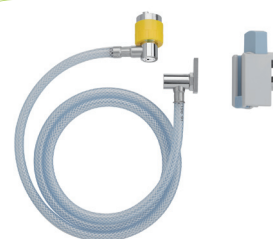


TECHNOLOGIE
MEDICALE

RAIL MOUNTING SYSTEMS



BS rail mounting system

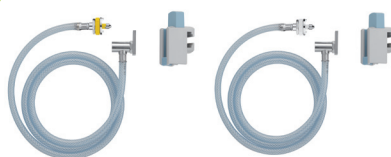


AFNOR rail mounting system

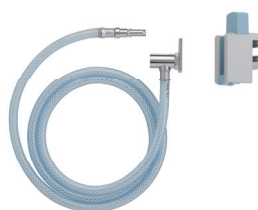


Neutral

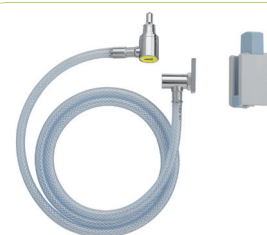
DIN rail mounting systems



OHMEDA rail mounting systems



NORDIC rail mounting system



UNI rail mounting system

Other standards available upon request.

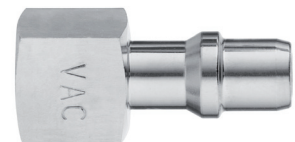
DIRECT PROBES



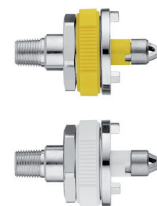
AFNOR direct probe



BS direct probe



DIN direct probe



OHMEDA direct probes



UNI direct probe



NORDIC direct probe

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: 2009 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
- 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!



Patented model



Compact, strong and ergonomic device.

Vacuum gauge manually adjustable from -45° to $+45^\circ$ 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

① 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

② With outlet tubing nipple + antibacterial filter

③ 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

RV01 vacuum regulator 0-600 mbar, yellow, with 100 ml safety jar and DIN direct probe.



RV02

RV02 vacuum regulator 0-400 mmHg, grey, with 100 ml safety jar and BS direct probe.



RV03

RV03 vacuum regulator 0-1000 mbar, yellow, with 100 ml safety jar and AFNOR complete rail mounting system.

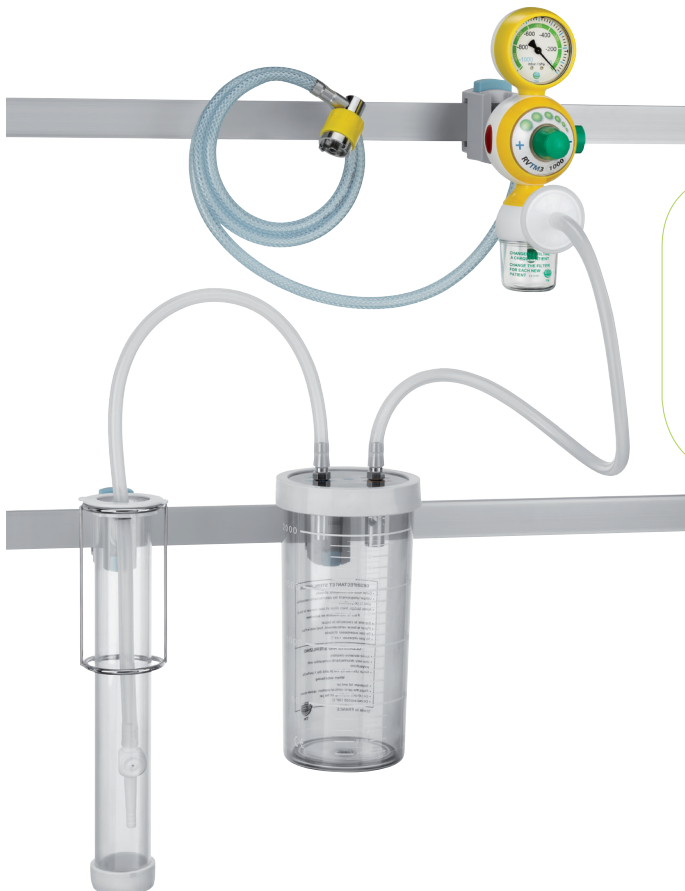


RV04

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

RV05

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



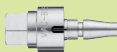
RV06

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.



AFNOR French Standard	RVTM3 vacuum regulators				
	Suction level mbar	Single	Single	Single	Twin
		0-250	0-600	0-1000	1000-1000
Inlet thread: 12x100 F	yellow	19292	19298	19286	19304
Inlet thread: 1/4G M		19290	19296	19284	19302
Mounted with AFNOR direct probe 	yellow	18832	18836	18828	18840
Mounted with AFNOR complete rail mounting system (polycarbonate clamp) 	yellow	18833	18837	18829	18841



BS British Standard	RVTM3 vacuum regulators				
	Suction level mbar	Single	Single	Single	Twin
		0-250	0-600	0-1000	1000-1000
Inlet thread: 1/4G M	yellow	19290	19296	19284	19302
	grey	19236	19242	19230	19248
Mounted with BS direct probe 	yellow	18904	18908	18900	18912
	grey	18868	18872	18864	18876
Mounted with BS complete rail mounting system (polycarbonate clamp) 	yellow	18905	18909	18901	18913
	grey	18869	18873	18865	18877

RVTM3 also available with mmHg gauge on request.

Please contact us for other configurations.

DIN German Standard	RVTM3 vacuum regulators				
	Suction level mbar	Single	Single	Single	Twin
		0-250	0-600	0-1000	1000-1000
Inlet thread: 1/4G M	yellow	19290	19296	19284	19302
	grey	19236	19242	19230	19248
Mounted with DIN direct probe 	yellow	19030	19034	19026	19038
	grey	18994	18998	18990	19002
Mounted with DIN complete rail mounting system (polycarbonate clamp) 	yellow	19031	19035	19027	19039
	grey	18995	18999	18991	19003

US OHMEDA American Standard	RVTM3 vacuum regulators				
	Suction level mbar	Single	Single	Single	Twin
ISO colour (yellow)		0-250	0-600	0-1000	1000-1000
US colour (white)					
Inlet thread: 1/4G M	yellow	19290	19296	19284	19302
	grey	19236	19242	19230	19248
Inlet thread: 1/8NPT F	yellow	19291	19297	19285	19303
	grey	19237	19243	19231	19249
Mounted with US OHMEDA direct probe 	yellow	19358	19360	19356	19362
	grey	19340	19342	19338	19344
Mounted with US OHMEDA complete rail mounting system (polycarbonate clamp) 	yellow	-	-	-	-
	grey	-	-	-	-

- Available upon request only.

RVTM3 also available with mmHg gauge on request.

Please contact us for other configurations.



NORDIC Scandinavian Standard	RVTM3 vacuum regulators				
	Suction level mbar	Single	Single	Single	Twin
		0-250	0-600	0-1000	1000-1000
Inlet thread: 1/4G M	yellow	19290	19296	19284	19302
	grey	19236	19242	19230	19248
Inlet thread: 1/8NPT F	yellow	19291	19297	19285	19303
	grey	19237	19243	19231	19249
Mounted with NORDIC direct probe 	yellow	19198	19202	19194	19206
	grey	19162	19166	19158	19170
Mounted with NORDIC complete rail mounting system (polycarbonate clamp) 	yellow	19199	19203	19195	19207
	grey	19163	19167	19159	19171



UNI Italian Standard	RVTM3 vacuum regulators				
	Suction level mbar	Single	Single	Single	Twin
		0-250	0-600	0-1000	1000-1000
Inlet thread: 1/4G M	yellow	19290	19296	19284	19302
Mounted with UNI direct probe 	yellow	19396	19400	19392	19404
Mounted with UNI complete rail mounting system (polycarbonate clamp) 	yellow	19397	19401	19393	19405

RVTM3 also available with mmHg gauge on request.

Please contact us for other configurations.

SAFETY JARS WITH ANTIBACTERIAL PAPER FILTER (FORMER MODELS)



RV07

150 ml safety jar with antibacterial paper filter in the cover.

Ref: 11738



RV08

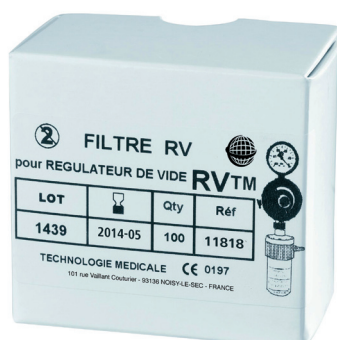
500 ml safety jar with antibacterial paper filter in the cover.

Ref: 11733



RV09

RTVM3 vacuum regulator 0-1000 mbar yellow, mounted with 500 ml safety jar.



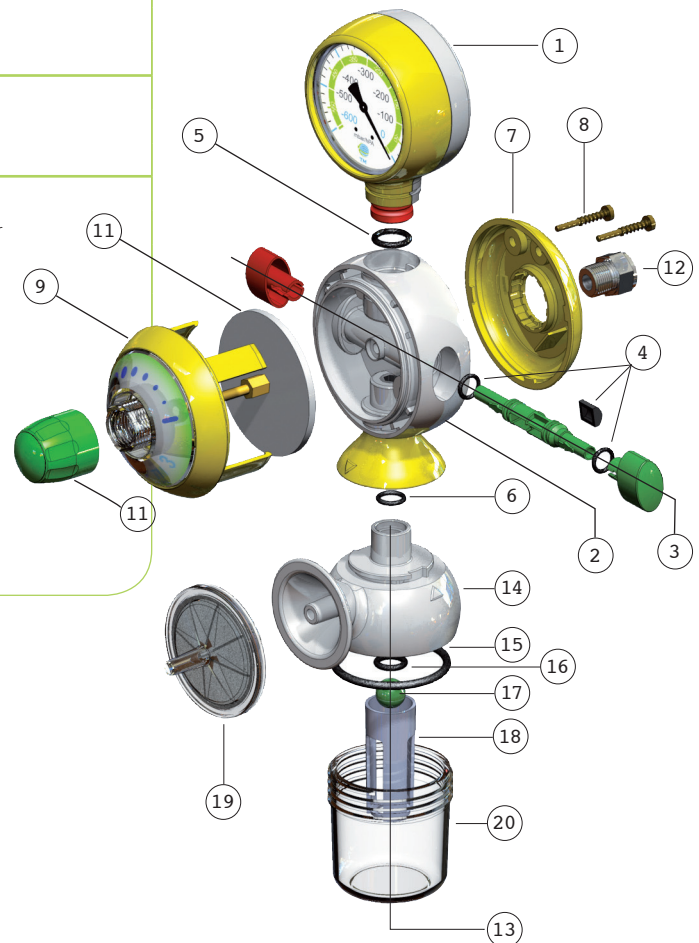
RV10

Box of 100 single-use antibacterial paper filters.

Ref: 11818

Reference		Description
1	18736	VACUUM GAUGE WITH HOUSING
	18737	0-1000 mbar vacuum gauge, yellow*
	18738	0- 600 mbar vacuum gauge, yellow*
	19486	0- 250 mbar vacuum gauge, yellow*
	19487	0- 760 mmHg vacuum gauge, yellow*
(2+3+4+5+6)		BODY
	18670	RVTM3 body 0-1000/0-600 mbar – 0-760/400 mmHg with ON/OFF switch-button
	18671	RVTM3 body 0-250 mbar with ON/OFF switch-button
3	19510	Complete ON/OFF switch-button
4	19511	Batch of 3 gaskets for ON/OFF switch-button
5	11415	Gasket for vacuum gauge
6	18731	Outlet gasket
7	18669	Back housing, yellow*
8	18691	Screw for back housing
		COMPLETE COVER
9	19502	0-1000 mbar complete cover, yellow*
	19503	0- 600 mbar complete cover, yellow*
	19504	0- 250 mbar complete cover, yellow*
	19505	0- 760 mmHg complete cover, yellow*
	19506	0- 400 mmHg complete cover, yellow*
10	19507	Complete membrane
11	19508	Complete regulation knob, green
12	11826	Inlet adaptor 12x100 F
	11823	Inlet adaptor 1/4G M
	11825	Inlet adaptor 1/8NPT F
13		100 ml SAFETY JAR
	18753	100 ml safety jar, complete with cover
	19557	COMPLETE COVER
(14+15+16+17+18+19)		
14	18690	White cover only
15	11780	Gasket
16	11701	Safety gasket
17	11698	Safety ball
18	17294	Safety cage
19	11813	Antibacterial plastic filter (tube of 10)
20	17630	100 ml bottle only

*Please contact us for the various spare parts in grey.



100 ML SAFETY JAR WITH SINGLE-USE ANTIBACTERIAL PLASTIC FILTER UP-FRONT

Easy and quick replacement of the filter.
It is useless 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 device and the vacuum pipeline network. The plastic housing avoids any direct contact with the 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 its clogging level 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 click-lock adjustment.

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 liquids' 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 global operation costs.

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



RV11

Ref. 18753

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



RV12

Tube of 10 single-use
antibacterial plastic filters.
Ref. 11813

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 = Cleanness of the circuits
and fight against nosocomial infections.



Also available



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SUCTION VACUUM REGULATORS



TECHNOLOGIE MÉDICALE