

**VeeVo™ 800 & 1500 Series Suction Regulators
 Continuous-Intermittent with Analog Gauge**

The suction regulator should always be turned OFF when not in use. This will prevent unnecessary operation of the facility's central vacuum pump and ensure adequate suction for all users.

SPECIFICATIONS

VeeVo™ 800 Series

Vacuum Range: 0-160 mmHg Regulated (CONT Mode)

Vacuum Range: 0-160 mmHg Intermittent (INT Mode)

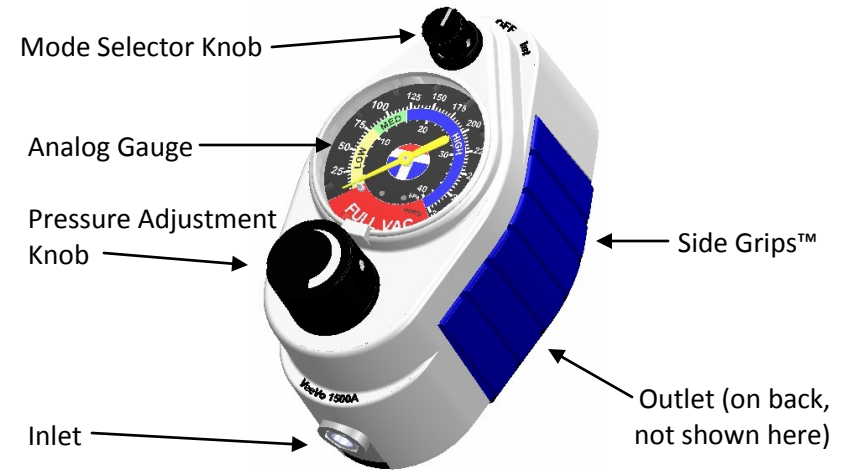
NOTE: Relief valve actuates at 120 mmHg (±10%) in INT mode.

VeeVo™ 1500 Series

Vacuum Range: 0-300 mmHg Regulated (CONT Mode)

Vacuum Range: 0-300 mmHg Intermittent (INT Mode)

NOTE: Relief valve actuates at 150 mmHg (±10%) in INT mode.



CAUTION: FEDERAL LAW RESTRICTS THIS DEVICE TO SALE BY OR ON THE ORDER OF A PHYSICIAN.

Thank you for purchasing a VeeVo™ suction regulator. In order that the unit reliably serve your needs for the longest time possible, please familiarize yourself with the various features of the unit as noted above, and read this user guide thoroughly. A complete service and repair manual, for use by authorized personnel, is available from the manufacturer.

Basic Features

The mode selector knob is used to select the OFF (no flow), CONT (continuous, regulated suction), or INT (regulated intermittent suction mode).

The pressure adjustment knob controls the vacuum pressure that is delivered to the patient. Turning the knob clockwise (to the right) increases the vacuum level; turning the knob counter-clockwise (to the left) decreases the vacuum level. The mode selector knob should be used to turn the unit OFF, not the pressure adjustment knob.

The color-coded, dual-scale analog gauge includes a luminescent dial and needle, and is accurate to ±5% of full scale.

Please note that the FULL VAC region of the 0-300 mmHg gauge does not indicate unregulated vacuum supply pressure; it merely indicates the maximum range of the vacuum regulator.



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The inlet (on the bottom of the unit) can be equipped with various connections. The suction tubing from the patient connects to the inlet.

The outlet (on the back of the unit) can be equipped with various fittings to match your wall outlets or other vacuum source. Common fittings include DISS, Chemetron®, Ohio® and Puritan-Bennett®.

The Side Grips™ are unique to the VeeVo™ line of suction regulators. Designed to improve the user's grip on the unit when inserting, removing or transporting it, the 10 currently available colors of Side Grips™ also provide a means of identifying departmental or hospital ownership.


IMPORTANT SAFETY INSTRUCTIONS


Read and understand these instructions prior to using this device. For more detailed calibration, service and repair information refer to the device operation and maintenance manual.

-  **WARNING: This device is recommended to be used only by competent instructed personnel.**
-  **WARNING: The setup test must be performed prior to patient use. If the regulator fails any part of the testing, the unit must be removed for service and repair by qualified service personnel.**
-  **WARNING: Always make sure to connect the regulator to the vacuum source only. Connection to a pressure source could injure the patient or operator and damage the equipment.**
-  **WARNING: "Occlude to set" procedure is required when setting up the prescribed suction level prior to using this device on a patient.**
-  **WARNING: Do not use this device in the presence of flammable anesthetics. Static charges may not dissipate and a possible explosion hazard exists in the presence of these agents.**
-  **CAUTION: Only trained personnel should service and repair this device.**
-  **CAUTION: Perform the service check procedure after repair or disassembly and prior to placing the device back in use.**

Federal law restricts the shipping of contaminated products. Should this unit require service, it must be sterilized and properly packaged prior to shipping. A certificate of cleaning must accompany the unit. If the unit cannot be sterilized, it must be packaged and shipped in accordance with DOT biohazard requirements.

PREPARING THE VeeVo™ FOR USE

 **CAUTION:** This device must not be used without a collection canister between the device and the patient. If the canister does not have an integral hydrophobic filter, a safety trap or hydrophobic filter should also be used to prevent damage to the device in the event the canister is incorrectly attached, or the canister overflows.

 **OCCLUDE TO SET:** *The tubing must be occluded to properly set the vacuum level.*


Continuous Regulated Suction

Make sure the mode selector knob is in the OFF position. Connect the device to wall inlet or other vacuum source, and attach the appropriate safety trap, filter, or canister to the inlet (bottom) fitting of the regulator, then connect the patient tubing to the canister.

With the selector knob in the OFF position, occlude the patient tubing and turn the control knob at least one full turn clockwise. The gauge needle should not move.

With the tubing occluded, move the selector knob to the CONT position, and observe that the gauge needle moves in a clockwise direction. Turn the control knob fully counter-clockwise, and confirm that the gauge needle moves counter-clockwise to the 0 position.

If the regulator functions properly for the above tests, you may occlude the tubing, turn the control clockwise to the prescribed vacuum level and proceed with suctioning.

 **If the device does not pass these tests, it must be removed for service by properly trained and authorized personnel.**

Intermittent Suction

Occlude the tubing, turn the selector knob to INT, and observe the gauge. It may take up to 8 (\pm 3) seconds for the gauge to move, as the unit starts in the OFF cycle. Once the ON cycle starts, the gauge needle will move clockwise. Turn the pressure adjustment knob to set the appropriate vacuum level. After 15 (\pm 3) seconds, the unit should switch back to the OFF cycle, and the needle should return to 0. The factory default timing is 8 (\pm 3) seconds OFF, 15 (\pm 3) seconds ON. Refer to the operation and maintenance manual for timing adjustment instructions. Timing should only be adjusted by properly trained personnel.