



Posey Company

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FAQ No.: 01

FAQ: What is the Gauge Accuracy of the Posey Cufflator™?

Thank you for your inquiry regarding the gauge accuracy of the Posey Cufflator™. To ensure your Cufflator™ performs according to the highest quality and safety standards, Posey Company inspects and calibrates each and every new Cufflator™, as well as all customer-owned Cufflator™ returned for service or repair. Every Posey Cufflator™ is calibrated throughout its measurable range to ensure the gauge readings are within the specified accuracy. The specified accuracy for the complete measurable range of the gauge from 0 to 120 cm H₂O is ± 2 cm H₂O or ± 1.47 mm Hg.

As defined in our instruction sheet, to ensure accuracy and proper operation, the Posey Cufflator™ should be tested regularly. The accuracy of the Cufflator™ may be verified by connecting it to a mercury sphygmomanometer and following these instructions:

Posey Company recommends you check the Cufflator™ for accuracy at a minimum of three pressure points: low, medium and high. The pressure points we recommend are 20 cm, 50 cm and 100 cm of H₂O. To conduct this test, squeeze the rubber bulb to each of these pressure points, then release. The mercury sphygmomanometer should read within the limits stated below. Remember the Posey Cufflator™ is calibrated in cm of water pressure (H₂O). The conversion rate is 1.00 mm of mercury (Hg) equals 1.36 cm water (H₂O). Therefore, the Posey Cufflator™ will read 20 cm H₂O when the mercury sphygmomanometer reads 14.7 mm Hg. If the device does not read within stated limits, the Cufflator™ should be returned to Posey Company for calibration.

At the three pressure points, the readings should be as follows:

- 20 cm of H₂O pressure on the Cufflator™ equals 14.0 – 16.0 mm Hg on the mercury sphygmomanometer
- 50 cm of H₂O pressure on the Cufflator™ equals 36.0 – 38.0 mm Hg on the mercury sphygmomanometer
- 100 cm of H₂O pressure on the Cufflator™ equals 72.0 – 76.0 mm Hg on the mercury sphygmomanometer

Please be advised that in addition to calibration services, we also provide a variety of replacement components and repair services if required. Thank you again for using the Posey Cufflator™ and we hope this information is helpful.

For complete cleaning and use instructions for all Posey products, please refer to package insert instructions accompanying each product. Copies of all package insert instructions are available on the Posey website at www.posey.com. We hope that this answers your questions. If you have any further questions, please feel free to call Posey Customer Service at (800) 44-Posey or (800) 447-6739.