

Meet VitaWave™ Plus Cuff with HemoSphere Stream™ Module



Introducing noninvasive, beat-to-beat blood pressure for your bedside monitor

VitaWave™ Plus Cuff, when used with the HemoSphere Stream™ Module, enables noninvasive, beat-to-beat blood pressure. Now you can access continuous blood pressure monitoring on a compatible patient monitor through an accurate arterial waveform - ensuring continuous monitoring never comes at the cost of unnecessary invasiveness.

Designed for Accuracy



The blood pressure waveform has accuracy comparable to an arterial line.



When monitoring, the embedded Heart Reference Software compensates for patient movement, helping to maintain accurate readings.*



Automatically calibrates to maintain accurate measurements even with changes in vascular tone.

When patients experience highs and lows in blood pressure, the oscillometric arm cuff may show inaccurate BP readings, thereby misrepresenting instances of hypotension risk to patients.¹

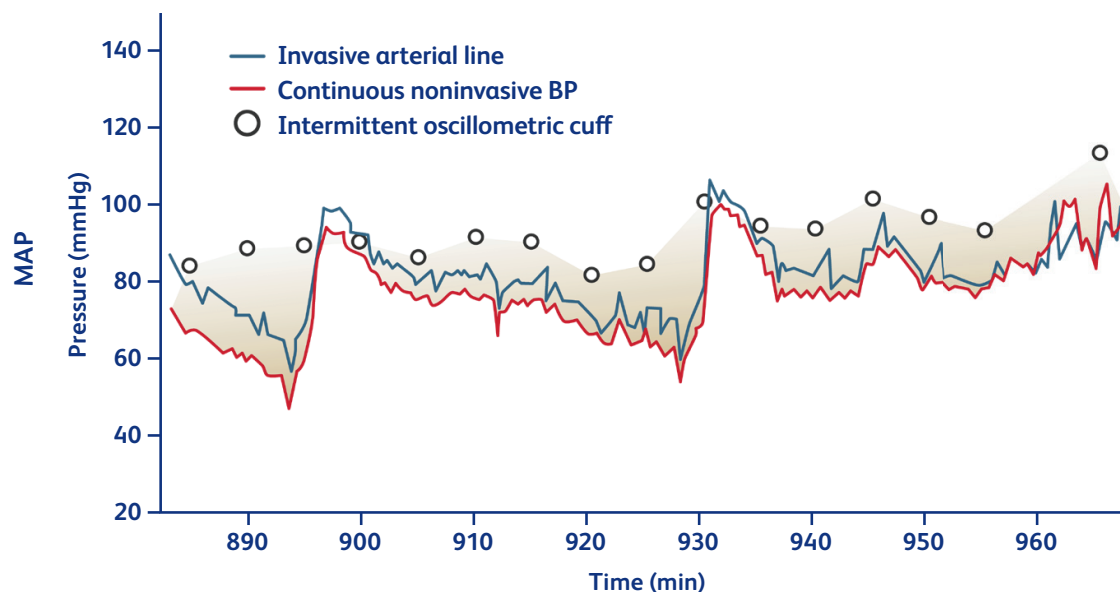
*When used with the Smart Pressure Controller.



Continuous beat-to-beat blood pressure monitoring

A randomized controlled trial suggests clinicians can use continuous noninvasive finger cuff monitoring instead of intermittent oscillometric blood pressure monitoring to reduce hypotension during induction of anesthesia and during surgery.**2

Comparing blood pressure changes between continuous noninvasive, invasive arterial line and intermittent oscillometric cuff monitoring



Plug and Play Module

With a portable, compact form factor, HemoSphere Stream™ Module is designed for adaptability within clinical environments. HemoSphere Stream™ Module works with VitaWave™ Plus Cuff to offer an intuitive setup experience, so that any trained staff member can place it properly.

- Access reliable blood pressure monitoring in any clinical environment that has a compatible bedside monitor
- Minimal setup steps to start monitoring
- Snug fit ensures the cuff stays in place when patients move and during repositioning



CAUTION: Federal (US) law restricts these devices to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, precautions and adverse events.

** Single-center randomized control trial with 242 noncardiac surgery patients where hypotension was defined as area under a MAP of 65 mmHg (mmHg x min) within 15 min of anesthetic induction or time-weighted average (TWA) MAP < 65 mmHg during surgery.

References

- 1 Kim DS, Kwon S, Bovik AC, Markey MK, Giovannucci EL, Cannesson M. Intraoperative Blood Pressure Misclassification Due to Inaccuracy of Noninvasive Oscillometric Cuff-Measured Blood Pressure. *Hypertension*. 2025;82(2):e1-e3.
- 2 Kouz K, Weidemann F, Naebian A, et al. Continuous Finger-cuff versus Intermittent Oscillometric Arterial Pressure Monitoring and Hypotension during Induction of Anesthesia and Noncardiac Surgery: The DETECT Randomized Trial. *Anesthesiology*. Sep 1 2023;139(3):298-308.

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