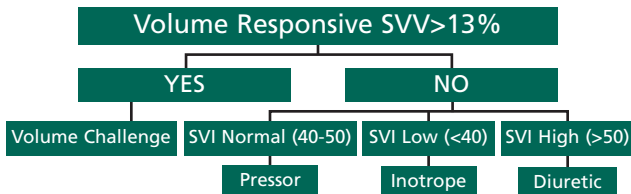


FloTrac System

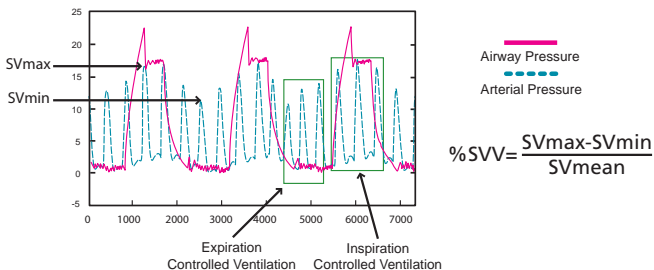
Volume Responsive Algorithm

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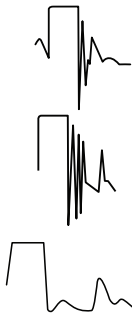
Stroke Volume Variation

A sensitive indicator of preload responsiveness
(on control ventilated patients)



SQUARE WAVE TEST (for assessing dynamic performance):

1-Pull and release snap-tab, 2-Observe square wave on monitor, 3-Count oscillations



Optimally Damped 1.5-2 oscillations before returning to baseline.

Underdamped >2 oscillations: SBP overestimated & DBP may be low or normal
Results - false widening of pulse pressure and overestimation of CO. See product insert for potential causes.

Overdamped <1 oscillation: SBP falsely low & DBP may be high or normal.
Results - false narrowing of pulse pressure and underestimation of CO. See product insert for potential causes.



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FloTrac System

1. Cardiac Output

Blood pumped from heart in liters/min.

2. Central Venous Oxygen Saturation*

Assessment of balance between DO_2 and VO_2 . Lower values indicate increased oxygen extraction or decreased delivery. Higher levels are seen with impaired oxygen utilization and extraction.

3. Stroke Volume

Blood ejected from left ventricle per beat. Low value indicates poor ventricular performance.

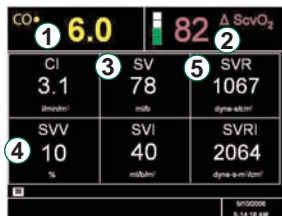
4. Stroke Volume Variation

(For use on control ventilated patients).

Variation in arterial pulsations caused by volume changes during positive pressure inspiration. >15% may indicate hypovolemia.

5. Systemic Vascular Resistance†

Clinical indicator of afterload.



Vigileo Monitor Hemodynamic Parameters

Parameter	Normal Range
CO (Cardiac Output)	4.0 - 8.0 L/min
CI (Cardiac Index)	2.5 - 4.0 L/min/m ²
SV (Stroke Volume)	60 - 100 mL/beat
SVI (Stroke Volume Index)	33 - 47 mL/beat/m ²
SVR (Systemic Vascular Resistance)	800 - 1200 dynes - sec/cm ⁵
SVRI (Systemic Vascular Resistance Index)	1970-2390 dynes - sec/cm ⁵ /m ²
SVV (Stroke Volume Variation)	<15%
ScvO ₂	≥70%

*Available when used with the PreSep catheter

†Available when interfaced with CVP from appropriate bedside monitor

Rx only. See instructions for use for full prescribing information.

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