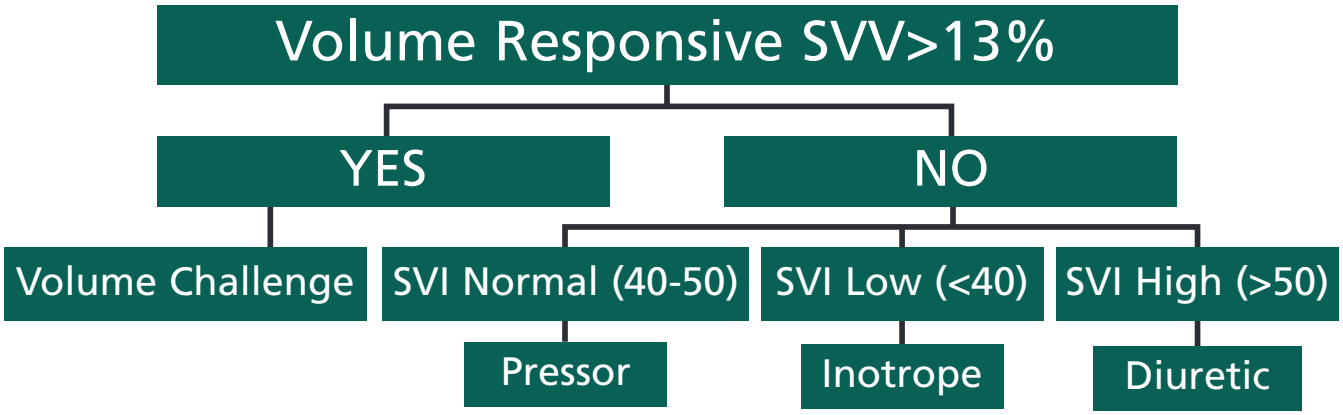
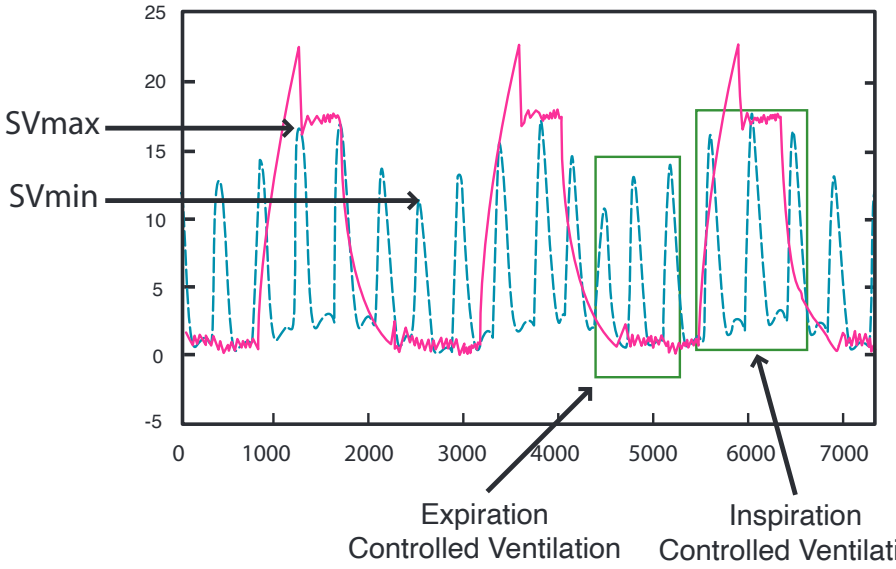
FloTrac System

Volume Responsive Algorithm



Stroke Volume Variation

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

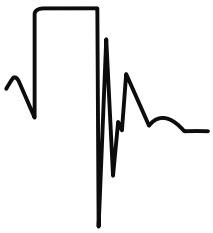


Airway Pressure

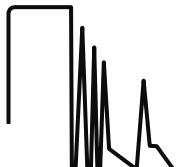
Arterial Pressure

$$\%SVV = \frac{SVmax - SVmin}{SVmean}$$

SQUARE WAVE TEST (for assessing dynamic performance):
1-Pull and release snap-tab, 2-Observe
square wave on monitor, 3-Count oscillations



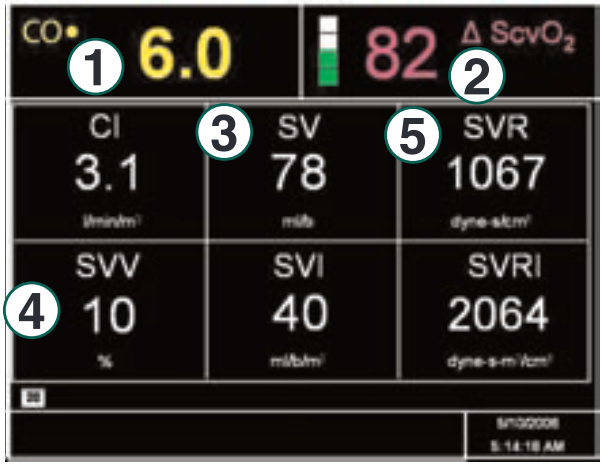
Optimally Damped 1.5-2 oscillations before returning to baseline.



Underdamped >2 oscillations: SBP over-estimated & DBP may be low or normal Results - false widening of pulse pressure and overestimation of CO. See product

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.