Mathematics & Mechanics of Continuous Flow VADs*



WHAT CAN YOUR CARE TEAM CHANGE ON THE DEVICE?



REVOLUTIONS PER MINUTE (RPM)

How fast the pump spins to move blood through the body

WHAT DOES THE DEVICE CALCULATE AND DISPLAY?



CARDIAC OUTPUT/FLOW (L/Min) Amount of blood moving through the body



POWER (Watts)

Amount of "work" the pump is doing to get blood to move through the body



PULSATILITY
INDEX or PUMP
WAVEFORMS

Numbers about how the pump is functioning that helps to guide fluid and blood pressure management

WHAT DOES YOUR CARE TEAM CALCULATE?



CARDIAC INDEX (L/Min/m²) Amount of blood flow moving through the body in relation to the size of the patient, also known as body surface area (BSA)**

**Body Surface Area (BSA) = takes into account weight & height