

The ViVitro SuperPump is the most widely used and cited pump for creating cardiac flows. It is unsurpassed in reliability, functionality, and versatility. Developed and manufactured by ViVitro, the SuperPump utilizes the latest digital technology to provide maximum control with precision accuracy. Using innovative PCB and firmware, our amplifier is specifically designed to operate cardiovascular applications. The pump is controlled by onboard preconfigured waveform generating capability for standalone capability or by software input.

The SuperPump is the power behind the ViVitro Labs Pulse Duplicator. Our positive displacement pump is used by many manufacturers for function-test equipment, simulated use testers and by researchers in mock circulatory loops to assess the performance of heart valve or vascular and peripheral devices by mimicking physiological flows.

Testing Capabilities

- Heart valve replacements
- Peripheral devices
- Vascular devices
- Aortic Valve bypass
- LVAD simulator
- Whenever a physiological flow and pressure are needed

Features

- Optional High Volume Pump Head displacement
- Piston-in-cylinder pump head design
- Driven by a digital motor with high torque to inertia ratio in order to provide smooth and reliable functionality
- Arrhythmia and wave train function
- Positive displacement piston with digital precision
- Proven history of reliability
- Materials that are chemically compatible with most sterilization and testing solutions

Specifications

Dry weight:	15lb
Dimensions:	Pump 14 x 6 x 20 inches
Cycle Rates:	2 - 220 beat per minute
Displacement Volume:	110 ml
Power :	115V / 230VAC, 50-60Hz
Signal:	+5V TTL output synchronization signal

ViVitro products are manufactured in an ISO 13485 facility and meet applicable CE marking directives.

One year **Warranty** on all products



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Making device testing simpler, faster and more reliable.

