

REAL-TIME WEAR TESTER (RWT)

Designed for quasi-real time wear testing, the ViVitro RWT is customizable for specific devices and device mounting arrangements (including conduit mounted valve holders). It is built to increase the efficacy and efficiency of the testing process by enabling users to have full control over the waveform driving the system while testing numerous devices simultaneously. When combined with the HiTest Data Acquisition System, RWT operators are able to collect and analyze pressure data according to ISO-5840 standards through an intuitive user interface. For any prosthetic heart valve, quasi-real-time results may identify failure modes similar to animal tests.



The ViVitro Real-Time Wear Tester (RWT) is the ideal choice for testing large prosthetic heart valves and other cardiovascular devices that don't fit in standard fatigue testers. With the powerful and proven ViVitro SuperPump as the core of this system, the ViVitro RWT is customizable for specific valves and valve mounting arrangements (including conduit mounted valve holders).

> Features

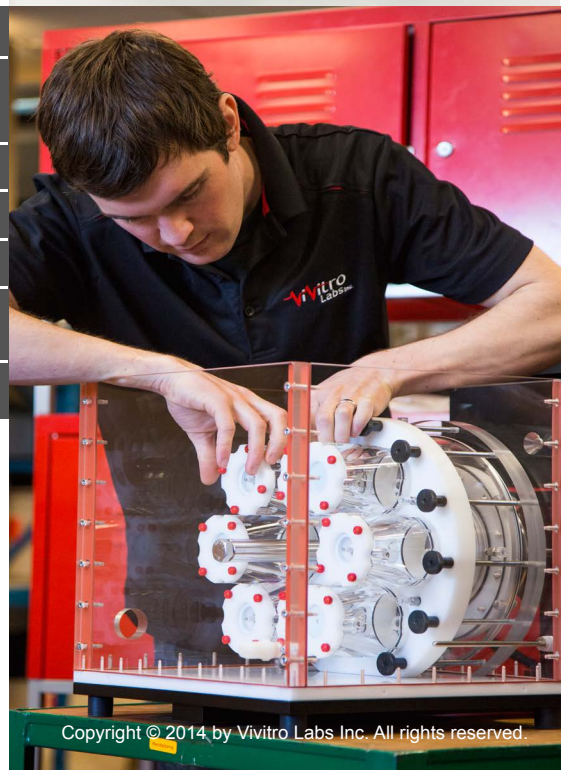
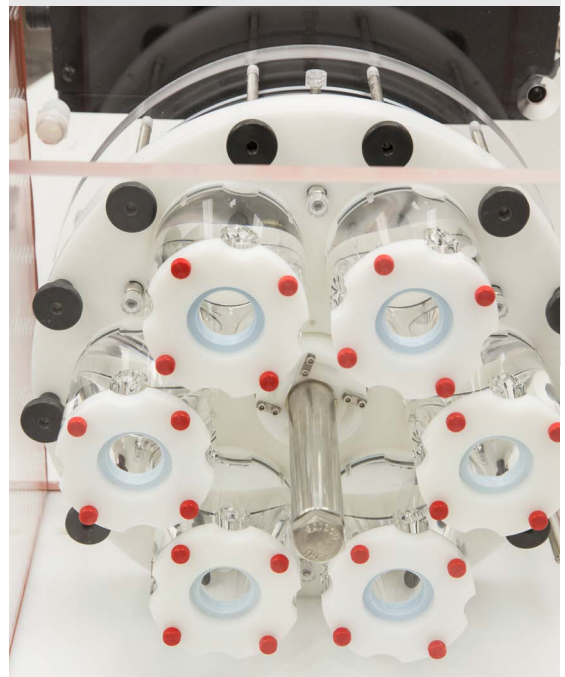
- Operator has complete control over the input waveform with a user interface built for ease of waveform downloading
- Controller stores up to 5 waveforms for playback to drive the Pump Module
- Operation of RWT is highly visible, enabling you to capture photos and videos of testing in progress and facilitating real-time inspection
- Cartridges are easily accessible, enabling quick valve change-out, saving time and damage to valves
- Ability to test prosthetic heart valves and other cardiovascular devices
- Each tester is equipped with six chambers and able to test up to six devices simultaneously
- Durability and fatigue testing up to 200 beats/minute

> Specifications

Device Capacity	1 - 6
Dry Weight	Controller: 8 kg Actuator + Tank: 46 kg
Dimensions	95 cm x 37 cm x 43 cm
Tank Volume	30 L
Temperature Control	up to 40°C ± 0.5°C
Resettable Cycle Counter	0 – 99,999 Million – resolution of 1,000 cycles
Cycle Rate	30 – 200 beats per minute

TESTING CAPABILITIES:

- Heart Valve Replacements
- Venous Valve Replacements
- Occluder Devices
- Cardiac Patches or Strips
- Medical Sutures, Staples or Clips



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First in Cardiovascular Device Testing

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