iTank™ Inflator & Ballistics Test Tanks

- Submarine style door opens quickly and safely - No need for tools
- Water cooling jacket for fast cycle times
- Fully stainless steel construction
- Available as 28.3L (1 cu.ft.), 60L and other sizes
- Mobile stand with ±90° tank rotation
iTank™ Inflator & Ballistics Test Tanks

Description
Microsys inflator and ballistics test tanks lead the industry in features and productivity. The Microsys iTank includes a submarine style door for easy access without the need for power tools. A water cooling jacket allows for very fast test cycle times by rapidly reducing the tank wall temperature to ambient.

Specifications
- Tank volume accuracy: ±1.5% of nominal volume
- Pressure rating: 200 psi and hydro-tested at 130% of rated pressure, ASME certification
- Submarine style door latch system
- Tank constructed entirely of #304 stainless steel with a polished interior
- Water-cooling jacket made from dimpled stainless steel (pictured)
- 4 or 5 ports for transducers, ventilation and drain, available as metric, NPT or a combination
- Optional mobile tank base allows tank to be rotated from -90° to +90° by means of a multi-turn gear reduction hand-wheel
- Optional automatic ventilation valve
- Optional pressure relief burst disk

Dimensions

Standard Sizes:
- 28.3 liter (1 cubic foot)
- 60 liter

Other Sizes:
- 10 liter
- 60 liter Curtain Airbag Inflator
- 100 liter
- 146 liter
- 150 liter

Control System & Data Analysis
Like all Microsys products, iTank integrates with the Microsys SureFire software. SureFire provides a common test platform for Microsys impactor and airbag testing, which reduces the time and cost for training of technical personnel.
- Combine iTank with a Microsys SureFire system for a fully integrated ballistics test solution
- Fire the inflator with adjustable squib pulse controls. Pre & post test squib resistance measurements
- High-speed acquisition of pressure sensors, squib voltage & current data
- Automatic pass/fail analysis and report generation