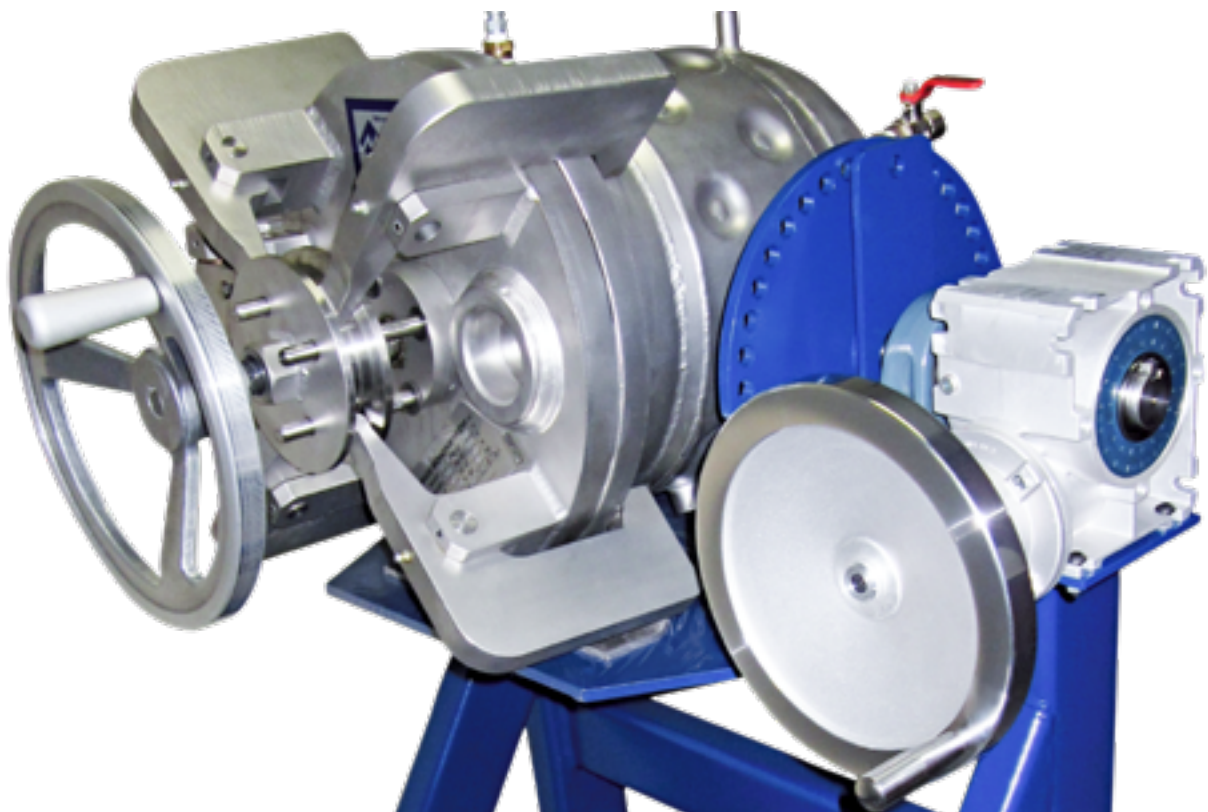


iTank™

Inflator & Ballistics Test Tanks



- Easy and safe access without tools by submarine style door
- Fast cycle times due to water cooling jacket
- Fully stainless steel construction
- Available in 28.3 L (1 cft.), 60 L and other sizes
- Mobile stand with $\pm 90^\circ$ tank rotation

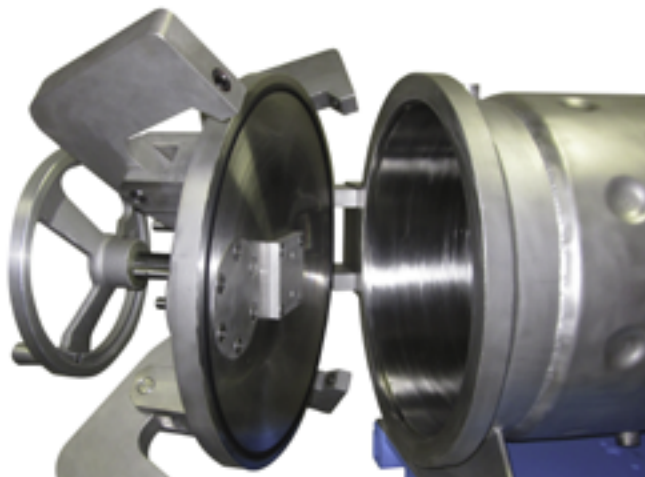
iTank™ Inflator & Ballistics Test Tanks



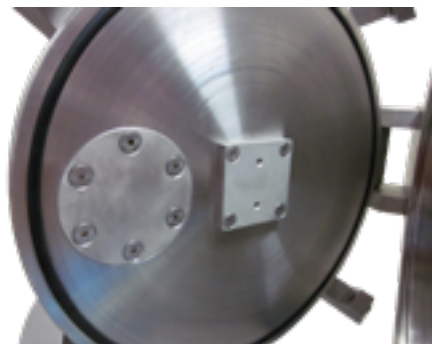
Description

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: $\pm 1.5\%$ of nominal volume
- Pressure rating: 1379 kPa/200 psi and hydro statically tested at 130% of rated pressure
ASME certification



- Mounting plate for inflator mounting



- Removeable connector detent plate for squib

- Submarine style door latch system
- Tank constructed entirely of #304 stainless steel with a polished interior
- Water-cooling jacket made from dimpled stainless steel
- 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 $+90^\circ$ by means of a multi-turn gear reduction hand-wheel
- Optional automatic ventilation valve
- Optional pressure relief burst disk

Dimensions

Standard Sizes:

- 28.3L (1 cft.)
- 60L

Other Sizes:

- 10L
- 60L Curtain Airbag Inflator
- 100L
- 146L
- 150L



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- and post-test squib resistance measurements
- High-speed acquisition of pressure sensors, squib voltage and current data
- Automatic pass/fail analysis and report generation