

iTank™ Inflator & Ballistics Test Tanks

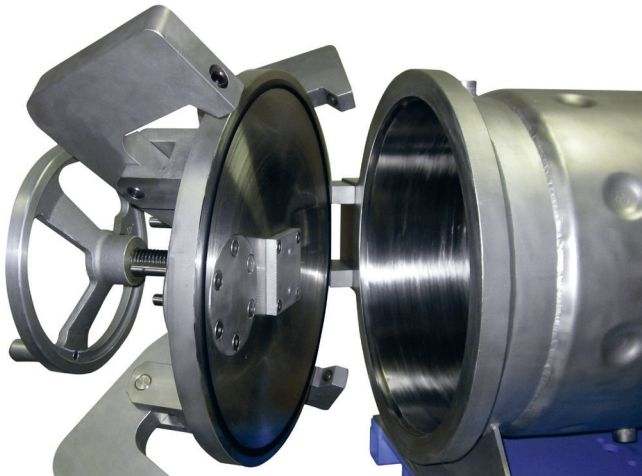
- Submarine style door opens quickly and safely - No need for tools
- Water cooling jacket for fast cycle times
- Fully stainless steel construction
- Available as 28.3L (1 cu. ft.), 60L and other sizes
- Mobile stand with $\pm 90^\circ$ tank rotation

iTank™ Inflator & Ballistics Test Tanks

Description

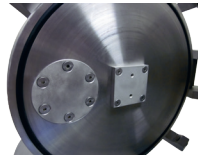
Microsys inflator and ballistics test tanks lead the industry in features and productivity. The Microsys iTank includes a submarine style door for easy access without the need for power tools. A water cooling jacket allows for very fast test cycle times by rapidly reducing the tank wall temperature to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

Specifications



- Tank volume accuracy: $\pm 1.5\%$ of nominal volume
- Pressure rating: 200 psi and hydro-tested at 130% of rated pressure, ASME certification

- Mounting plate for inflator mounting brackets (pictured)

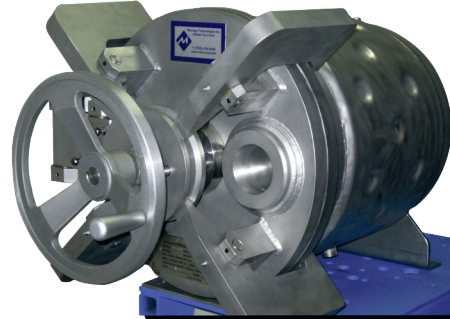


- Removeable connector detent plate for squib cables (pictured)



- 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 $+90^\circ$ 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

As a full-range provider of engineering, simulation, testing and tools for safety development we speak exactly your language. This understanding can be felt in all our products and services. The team of Concept Tech and Microsys, part of the Altran group, provides you with expertise and support worldwide.

Find more information about our products and services at concept-tech.com and altran.com.

© 2015 Altran Concept Tech GmbH. All rights reserved. 11/15



Part of the Altran Group



Part of the Altran Group