



# Prover Tanks

## Custom Stainless Steel Volumetric Reference Vessels

Lonetti prover tanks are precision-calibrated stainless steel vessels used to verify the accuracy of liquid flow meters. A known volume of liquid passes through the meter under test and is collected in the prover tank — if the meter reading matches the tank's certified volume, the meter is accurate.

Manufactured in Buenos Aires since 1960. In service at petroleum terminals, refineries, pipeline takeoffs, and national metrology institutes across 47 countries.

### SPECIFICATIONS

Parameter	Value
Capacity range	50 L – 5,000 L+ (custom on request)
Body material	AISI 304 stainless steel (standard); 316 SS, duplex available
Volumetric accuracy	±0.05% of reading or better
Top section	Conical with neck and graduated sight glass
Bottom drain	Stainless ball or butterfly valve, full-port
Mounting	Stationary · skid-mounted · trailer-mounted
Standards	OIML R117 · API MPMS Ch. 4.4 · NIST Handbook 105-3
Certification	INTI calibration certificate (traceable, OIML compliant)
Lead time	8–14 weeks (standard) · 16–24 weeks (large custom)
Shipping	Crated for international freight; CoO, datasheet, calibration cert included

### KEY FEATURES

- **±0.05% volumetric accuracy** — calibrated by INTI, traceable to OIML, NIST, and INMETRO



- **304 / 316 stainless steel** — standard in 304 SS; 316 SS or specialty alloys for aggressive media
- **OIML R117 & API MPMS Ch. 4.4** — designed and manufactured to international standards
- **50L to 5,000L+** — any capacity, from single vessels to multi-tank systems
- **Stationary, skid, or trailer** — fixed, skid-mounted, or trailer-mounted for field or terminal use
- **Sight glass & scale options** — high-resolution sight glass with engraved scale, optional digital level transmitter

## TYPICAL APPLICATIONS

- **Custody transfer** — calibrate fiscal flow meters at refineries, marine terminals, and pipeline takeoffs
- **Meter proving** — on-site or workshop verification of PD and turbine meters
- **Dispenser calibration** — truck-loading rack and dispenser verification under regulatory audit
- **Pipe prover water draw** — base volume determination of pipe provers via certified water draw

## CERTIFICATIONS & STANDARDS

OIML R117 · API MPMS Chapter 4.4 · NIST Handbook 105-3 · INTI · INMETRO · ISO 9001

Each unit ships with a calibration certificate issued in coordination with INTI (Instituto Nacional de Tecnología Industrial, Argentina), traceable to international metrology references. Third-party inspection by Bureau Veritas or SGS available on request.

## OPTIONS & CUSTOMIZATION

- **Material:** 304 SS (standard) · 316 SS · duplex alloy
- **Capacity:** any value from 50L to 5,000L+; larger on request
- **Mounting:** stationary · skid-mounted · trailer-mounted
- **Connections:** inlet/outlet size and standard per specification
- **Sight glass:** single or dual; digital level transmitter optional
- **Finish:** microblasted (standard) · mirror-polished · painted

*Request a quote: [lonetti.com.ar/contact](http://lonetti.com.ar/contact) · [info@lonetti.com.ar](mailto:info@lonetti.com.ar) · WhatsApp +54 9 11 2788 4190*

*Exporting to 47 countries since 1960.*