



PROOVERS

PROVERS

BUILDING THE BEST SYSTEM

ASME FABRICATED PROVER VESSELS



Industry's Most Complete Prover Manufacturer

- Standard stocking sizes: 25 and 100 gallon
- Custom sizes available
- Graduation is Liters, Gallons or Cubic Inches
- Optional equipment and trailer packages
- National and International sales
- Complete turn key prover truck option available



PROVERS

PROVER SPECIFICATIONS

Designed and fabricated in accordance with the latest ASME Code for unfired pressure vessels, and in accordance with the recommendations of the National Institute of Standards and Technology Handbook 105-4.

Design Specifications

- ASME Code Pressure Vessel
- Design Pressure 250 PSIG
- Design Temperature 115° F
- Hydrostatically Tested @ 375 PSIG
- Calibrated & Sealed by MN Dept of Weights & Measures

Design Features

- Heavy Steel Base Frame
- Slight Glasses Integrally Welded
- Reflex Sight Gauges Upper & Lower
- Vessel & Base Frame Sandblast Finish

Vessel Fittings

- 1¼ inch Relief Valve Fitting
- 1¼ inch Bottom Drain Fitting
- ¾ inch Thermo-well Fitting
- Liquid Inlet & Outlet Fittings
 - 2" for 100 gallon
 - 1¼" for 25 gallon
- ¾ inch Pressure Gauge Fitting
- ¾ inch Vapor Equalizing Fitting

Dimensions & Weight

- 100 Gallon, OAH = 73 inches, DIA = 42 inches, 900lbs
- 25 Gallon, OAH = 60 inches, DIA = 24 inches, 400lbs



Data Plate



Starret Armored Level



Upper Reflex Gauge
Visual Volume



Lower Reflex Gauge
Zero Start

PROVERS

PROVER OPTIONS



Pump & Motor



Load, Evacuation and Vapor Return

Standard Pumping Package

- 1¼ inch internal valve with remote operator
- Blackmer pump LGF1PC, 8-12 gpm (25 Gallon prover)
- Blackmer pump LGLF1¼, 17-22 gpm (100 Gallon prover)
- 1½ HP explosion proof motor 115/230v single phase, 60hz (other voltage options available)
- 25 foot x 1 inch hose with valve and 1¾ inch ACME coupler
- Vapor connection with valve and 1¼ inch ACME
- Liquid line return with ball valve and 1¾ inch ACME adapter
- Miscellaneous valves, fittings, piping, and placards

Prime and Paint

- Epoxy prime
- Epoxy prime with metal finish and urethane single stage paint

Other Options

- Single or tandem axle trailer with ¼ tread plate deck, fenders, hydraulic brakes, (3) leveling jacks, DOT lights, 2 inch ball coupler and spare tire
- 100 feet heavy duty 115v 3-wire power cord and plug
- Manual reel for power cord
- Disconnect blow-down line with ball valve
- 10# capacity dry chemical fire extinguisher

PROVERS

Arrow Tank & Engineering

Special Permit DOT-SP 14272

Arrow Tank has been granted Special Permit DOT-SP 14272.

This permit authorizes the manufacture, sale and continued use of a non-DOT specification packaging described as a Volumetric Meter Prover for transportation in commerce of LPG residue vapors.

Without such permit, volumetric provers of this classification must be blown down, thoroughly purged and empty of all vapors not limited to LPG in order to be legal for transportation in commerce.

