

Proving System

WOOJIN has engineering capability and technology to provide proving system from 4 to 42 inches

Flowmeters need to be calibrated to ensure accurate measurement. To accomplish this, proving systems are developed to reduce the uncertainty associated with meter performance. With its years of measurement and verification experience, WOOJIN is well known for developing accurate proving systems to validate the petroleum industry's numerous critical custody transfer applications.

WOOJIN offers complete portable or stationary proving systems for pipelines, tanker and barge loading and unloading operations and refiners. Employing unidirectional, bidirectional and compact prover technologies, WOOJIN prover systems incorporate industry-leading components to ensure the highest measurement excellence.

Pipe Prover

WOOJIN provides pipe provers with 4 to 42 inches measuring sections, flow rates from 100 bph to 42,000 bph (15.89 m³/hr to 6,674 m³/hr) and suitable for temperatures from -50° F to 190° F. The provers are ball type bi-directional, as well as uni-directional and piston-type for low temperature.

- Precise on-site meter calibration saves money by minimizing uncertainty of metered volumes
- Comply with the recommendations of API Chapter 4 and individual application specifications
- NACE certified materials
- Repeatability of 0.02% (water draw)



Small Volume Prover

Complete packaged proving system significantly reduced in size, weight and cost while equaling or exceeding the performance of conventional prover.

- Flexible mounting configurations for volumetric or mass meter proving
- Versatility – operates with virtually any pulse output flow meter
- Rapid proving operation offers single or multi-pass operation with immediate K-factor calculation
- Automatic mechanical operation assures undisturbed product flow

