

LIQUID FISCAL METERING

Application

From simple single-stream skids to complex on-site metering installations, Sphinx® proven Liquid Metering Systems help reduce fiscal risk and exposure, ensure regulatory compliance, optimize system performance, and sustain system lifecycle.

Sphinx® Liquid Fiscal Metering has a variety of applications in Custody Transfer, Non-Custody Transfer, Production, Liquid Pipelines, FPSO/FSO, Refining, Terminals, Tank Farms.

Product Range

- ❖ Linearity : Up to $\pm 0.025\%$
- ❖ Pressure Rating : up to 2500 ANSI
- ❖ Temperature : $-196\text{ }^{\circ}\text{C}$ to $204\text{ }^{\circ}\text{C}$
- ❖ Meter Types : Liquid Ultrasonic, Turbine, Coriolis, Positive Displacement.
- ❖ Process Product : Crude Oil, LPG, LNG, Refined Products, Petrochemical, Chemical.

Codes & Standards

Sphinx® Liquid Fiscal Metering Systems are compliant to the following standards:

- ❖ API MPMS, Chap. 5.2 : Measurement of Liquid Hydrocarbons by Displacement Meters..
- ❖ API MPMS, Chap. 5.3 : Measurement of Liquid Hydrocarbons by Turbine Meters.
- ❖ API MPMS, Chap. 5.8 : Measurement of Liquid Hydrocarbons by Ultrasonic Flow Meters using Transit Time Technology.

Key Features

- ❖ Single-source responsibility
- ❖ Smart instrumentation
- ❖ System optimization
- ❖ Compliance assurance
- ❖ Over-pressure protection
- ❖ Minimized uncertainty.





Sphinx Process Systems

Sphinx® Process Systems is a fully owned subsidiary of the Pyramid E&C group. Sphinx® offers a wide range of onshore and offshore oil and gas production equipment, utility and automation packages manufactured as per American standards. All our facilities are managed by ISO certified teams and the products are certified to ASME 'U' and UL compliance.

Oil & Gas Productions

- Separators
- Electrostatic Desalter
- Gas Sweetening Unit
- Gas Dehydration Unit
- Produced Water system
- Heater Treaters
- Joule Thompson skids

Utility Systems

- Hot oil systems
- Chiller packages
- Steam Generators
- Demineralized water system
- Air/ Nitrogen packages
- Fuel Gas Conditioning skids
- Chemical Injection systems

Automation Packages

- E-House
- Gas Fiscal Metering
- Liquids Fiscal Metering
- HIPPS
- Choke Manifold

Process Equipment

- Pressure Vessels
- Distillation Columns
- S&T Heat Exchangers
- Air Cooled HX
- Fired Heaters

Engineering & Manufacturing Locations

Mumbai, India

- Engineering
- Procurement
- Manufacturing
- FAT and Delivery
- Aftersales Support

Mundra, Gujarat

- Equipment Manufacturing
- Large skids Assembly
- Mundra all weather port access
- Loadout (1000 MT capacity)

Houston

- Process Design
- FEED Studies
- FAT and Delivery
- Aftersales Support



 +91 22 4038 1000

Sphinx Process Systems

 4th Floor, Hamilton 'A'-Wing
Hiranandani Business Park
Thane – 400 607, India
www.sphinx.pyramidenc.com



Contact Us