Flow Metering Skids & Meter Provers

Product Description

Ergil designs and manufactures flow metering skids and meter provers for the measurement of liquid and gas products. Every package is engineered around the customer's process data and delivered as a pre-assembled, factory-tested unit, covering process and mechanical design, fabrication, assembly, testing and commissioning support.

Our skids combine flow meters, flow conditioning, strainers, isolation and control valves, instrumentation and, where required, a meter prover on a single structural steel base. Because the unit is built and tested in our workshop, site work is limited to installation and tie-in, which shortens commissioning time and reduces risk.

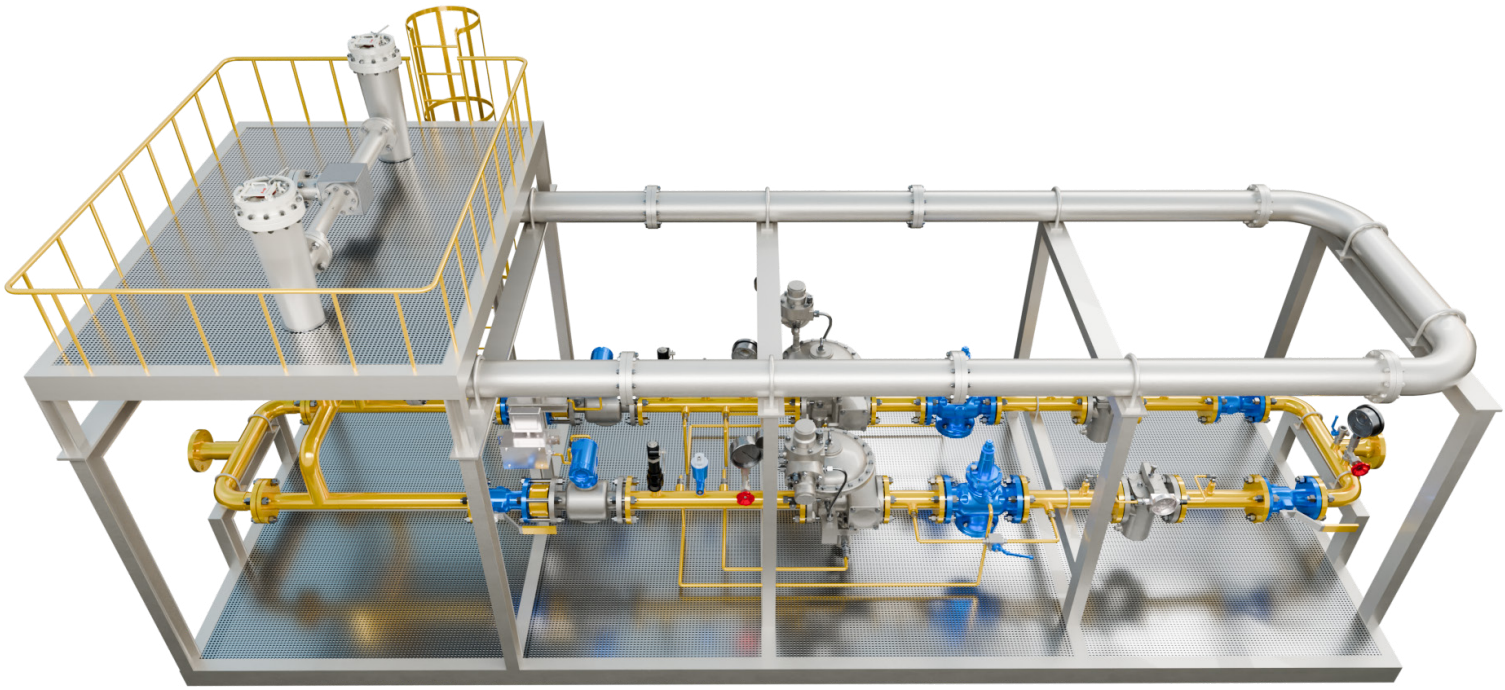




Product Benefits

- Complete liquid and gas metering skids, designed to project specifications
- Meter options: positive displacement, turbine, helical, Coriolis and ultrasonic
- Meter provers with quick opening closure (QOC) for easy access and maintenance
- Standard and custom strainers and filters
- Flow control and pressure regulating systems
- Sampling systems for liquid and gas
- Measurement control panels, on or off skid
- Pump packages and L.A.C.T. units
- Fuel gas skids and orifice meter runs
- Pre-piped, pre-wired modular design for fast installation

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A flow metering skid is a pre-assembled, framed unit that brings together everything needed to measure the flow of a gas or liquid in one compact package. It is most commonly used for custody transfer, where the measured quantity forms the basis of a commercial transaction and measurement uncertainty must be kept as low as possible.

Besides the flow meter itself, a skid typically includes flow conditioning, filtration, isolation and control valves, pressure and temperature instrumentation, and provisions for draining, venting, safety, sampling and lifting. A meter prover can be added to verify the meter on site against a reference volume, so that accuracy is maintained throughout operation.

Depending on project requirements, a skid can measure volumetric or mass flow, and it can be supplied for onshore or offshore use. A flow computer and control system are integrated to collect, process and report the measurement data.

Ergil handles the full scope under one roof: engineering, fabrication, assembly, testing and commissioning support. Every project is built to the customer's specifications and applicable codes, and our quality system is open to inspection by clients and third parties.

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