LACT UNITS

Lease Automatic Custody Transfer (LACT) units are used to accurately measure and transfer produced oil or gas into a pipeline, truck, vessel or storage tanks for ownership transfer. The system continuously monitor quantity and quality of the product to be transferred.

APPLICATIONS:

- Truck/rail loading from tank
- Truck/rail unloading to tank
- Oil delivery to or from pipeline
- City Gates
- Gas transfer systems

FEATURES:

- Turn-Key systems are designed and built to client specifications
- Fully automated option allows unattended 24h/7d operation
- Piping designed to ANSI B31.3, B31.4 or B31.8 as applicable.
- Metering equipment to API, OIML, ISO.
- Accurate flow metering and totalizer, suitable for custody transfer.
- Control panels suitable for Class 1 Div 2 Area
- Modular design for easy installation & set-up. Reduces on-site work.
- Skid mounted, shop tested & ready to operate.

BASIC COMPONENTS:

- Flow meter and totalizer
- BS&W monitor (liquid)
- In-line Strainer
- Vapor eliminator (liquid)
- Prover manifold
- Process monitoring (pressure, temperature, density)
- Sampling system (optional)
- Charge Pump (liquid)
- Control panel

AVAILABLE MODELS:

- **BL** Series: Pumped, for liquid, intermittent service.
- **CL** Series: In-line, for liquid continuous service.
- **XL** Series: For liquid, custom applications.
- **CG** Series: In-line, for gas continuous service.
- **XG** Series: For gas, custom applications.

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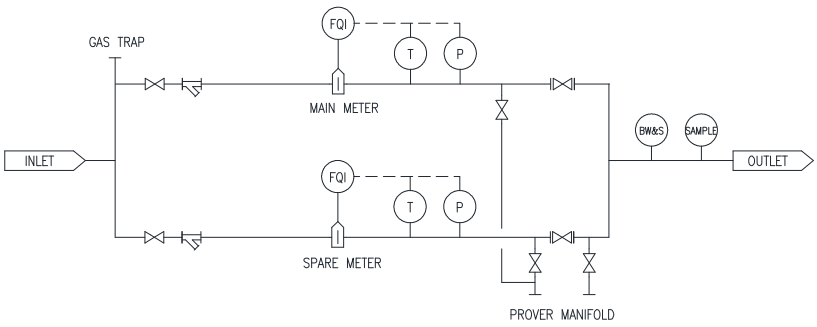
LACT UNIT CL SERIES

LACT units, CL series are used for liquid in continuous service to accurately measure and transfer produced oil into or from a pipeline. The system continuously monitor quantity and quality of the oil to be transferred. Multiple metering runs can be used for high flow applications.

SKETCH:



FEATURES:

- Turn-Key systems are designed and built to client specifications
- Fully automated option allows unattended 24h/7d operation
- Piping designed to ANSI B31.3 or B31.4.
- Metering equipment to API, OIML, ISO.
- Accurate liquid metering & flow totalizer suitable for custody transfer.
- Control panels suitable for Class 1 Div 2 Area
- Skid mounted, shop tested & ready to operate, modular design for easy installation & set-up, reducing on-site construction work.
- Multiple metering runs for scalable applications
- Spare metering run connected in parallel is included for on-line maintenance of any flow meter.
- Flowmeter options: coriolis, turbine or positive displacement.

BASIC COMPONENTS:

- Flow meter and totalizer.
- BS&W monitor w/probe.
- In-line Strainer
- Vapor eliminator
- Prover manifold w/isolation valves
- Process monitoring (pressure, temperature, density)
- Sampling system
- Optional verification loop allows connection of two meters in series for verification.
- Control Panel
- Metallic skid frame with lifting lugs
- Isolation valves for each metering run.

MODEL NUMBER LOOKUP:

CTS-CL- ☐☐☐☐☐-☐☐

1 2 3 4 5 6

1: Meter run diameter (inches)

2: ANSI class:
- **A** = 150# RF
- **B** = 300# RF
- **D** = 600# RF

3: Number of metering runs

4: Main material:
- **C** = Carbon Steel
- **S** = Stainless Steel

5: Flow meter type:
- **C** = Coriolis
- **T** = Turbine
- **U** = Ultrasonic
- **P** = Positive Displacement

6: Sampling system:
- **M** = Manual
- **A** = Automatic
- **0** = None

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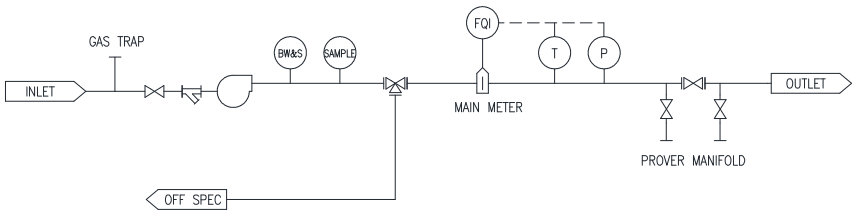
LACT UNIT BL SERIES

LACT units, BL series are used for liquid intermittent service to accurately measure and transfer produced oil into a pipeline, truck or tank. The system uses a charge pump which operates in combination with tank level control panel to ensure a safe operation. BS&W probe continuously monitor the quality of the oil to be transferred. Multiple systems can be used for high flow applications. Automatic 3-way diverter valve can be used to segregate off spec product.

SKETCH:



FEATURES:

- Turn-Key systems are designed and built to client specifications
- Fully automated option allows unattended 24h/7d operation
- Piping designed to ANSI B31.3 or B31.4.
- Metering equipment to API, OIML, ISO.
- Accurate liquid metering & flow totalizer suitable for custody transfer.
- Control panels suitable for Class 1 Div 2 Area
- Skid mounted, shop tested & ready to operate, modular design for easy installation & set-up, reducing on-site construction work.
- Flowmeter options: Coriolis, turbine or positive displacement.
- Optional accessories available (back pressure valve, diverter valve, vapor trap, etc)

BASIC COMPONENTS:

- Flow meter and totalizer.
- BS&W monitor w/probe.
- In-line Strainer/Vapor eliminator
- Prover manifold w/isolation valves
- Process monitoring (pressure, temperature, density)
- Sampling system
- Optional 3-way diverter valve for off-spec product handling.
- Control Panel
- Metallic skid frame with lifting lugs
- Charge pump.

MODEL NUMBER LOOKUP:

CTS-BL- ☐☐☐☐☐-☐☐

1 2 3 4 5 6

1: Meter run diameter (inches)

2: ANSI class:
- **A** = 150# RF
- **B** = 300# RF
- **D** = 600# RF

3: Number of metering runs

4: Main material:
- **C** = Carbon Steel
- **S** = Stainless Steel

5: Flow meter type:
- **C** = Coriolis
- **T** = Turbine
- **U** = Ultrasonic
- **P** = Positive Displacement

6: Sampling system:
- **M** = Manual
- **A** = Automatic
- **0** = None

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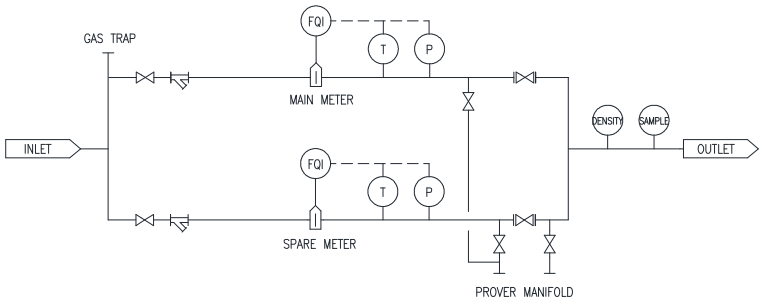
LACT UNIT CG SERIES

LACT units, CG series are used for continuous service to accurately measure and transfer produced gas into or from a pipeline. The system continuously monitor quantity and quality of the gas to be transferred. Multiple metering runs can be used for high flow applications.

SKETCH:



BASIC COMPONENTS:

- Flow meter and totalizer.
- In-line Strainer
- Chromatograph
- Prover manifold w/isolation valves
- Process monitoring (pressure, temperature, density)
- Sampling system
- Optional verification loop allows connection of two meters in series for verification.
- Control Panel
- Metallic skid frame with lifting lugs
- Isolation valves for each metering run.

FEATURES:

- Turn-Key systems are designed and built to client specifications
- Fully automated option allows unattended 24h/7d operation
- Piping designed to ANSI B31.3 or B31.8.
- Metering equipment to API, OIML, ISO.
- Accurate gas metering & flow totalizer suitable for custody transfer.
- Control panels suitable for Class 1 Div 2 Area
- Skid mounted, shop tested & ready to operate, modular design for easy installation & set-up, reducing on-site construction work.
- Multiple metering runs for scalable applications
- Spare metering run connected in parallel is included for on-line maintenance of any flow meter.
- Flowmeter options: coriolis, turbine, ultrasonic or positive displacement.
- Flow correction per AGA

MODEL NUMBER LOOKUP:

CTS-CG- ☐☐☐☐☐ - ☐☐

1 2 3 4 5 6

1: Meter run diameter (inches)

2: ANSI class:
- **A** = 150# RF
- **B** = 300# RF
- **D** = 600# RF

3: Number of metering runs

4: Main material:
- **C** = Carbon Steel
- **S** = Stainless Steel

5: Flow meter type:
- **C** = Coriolis
- **T** = Turbine
- **U** = Ultrasonic
- **P** = Positive Displacement

6: Sampling system:
- **M** = Manual
- **A** = Automatic
- **0** = None

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