

Emerson Product Transfer Loading System Solution

Reliable, high-quality and safe solutions for product transfer operations

Emerson offers comprehensive systems solutions to support terminal product transfer loading operations. Our integrated metering systems are proven to meet the most stringent requirements, increase measurement accuracy, and provide reliability. We configure the modular systems to your precise requirements to allow for an optimized terminal layout and increased truck throughput. Modular systems configured to your precise requirements allow for an optimized terminal layout and increased truck throughput. Our expertise in engineering, project management, operations, and system services delivers the safest and highest performance in the industry.

Designed and engineered for product transfer applications, the Emerson product transfer loading system is the complete solution. This system is designed and built on a structural base, including all piping and support, and is promptly transported to the customer's site. The complete package includes:

- Micro Motion Coriolis ELITE flow meters to measure with unparalleled accuracy and reliability
- Rosemount temperature and pressure transmitters
- Control valves to regulate fluid flow
- Optional preset to input and calculate the product quality and quantity
- Air Eliminator to filter impurities and allow quality product transfer
- Loading arm for product transfer (optional)
- Safety interlocks and emergency shut down valves to ensure a safe loading environment
- Proving system to validate measurement accuracy
 - $\pm 0.05\%$ liquid mass flow accuracy, and $\pm 0.0002 \text{ g/cm}^3$ liquid density accuracy
 - Pre-defined engineering documentation for shorter lead times
- Quality management backed by ISO 9000, ISO 14000, ISO 18000, ISO 29000



Micro Motion
ELITE Coriolis Flow Meters



Rosemount Temperature and
Pressure Transmitters



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Reduce Cost

- Compact, modular system size to reduce engineering, fabrication and installation costs with secure shipment in standard closed containers
- Excellent long-term performance to reduce maintenance costs



Increase Throughput

- Utilize the modular design to optimize terminal bay layout
- Configure the metering and loading solution to meet your requirements and maintain a reliable, safe, and efficient loading operation



Maintain Safety

- Fiscal measurement accuracy and repeatability to ensure proper batch loading
- Automated loading operations with safety interlocks to mitigate loading overfills



Applications

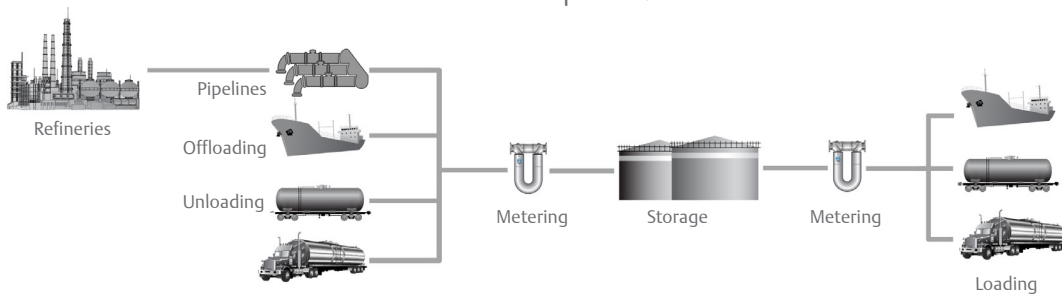
Including but not limited to:

Light Hydrocarbon Products

- Gasoline, diesel, kerosene, jet A1, ship fuel
- Ethanol and biofuel blends

High Vapor Pressure Products

- Liquefied petroleum gases (LPG), butane, propane, gasoline, liquid ammonia
- Vapor return



To learn more, visit us at: www.Emerson.com