



Application Note Measurement for Extra-Heavy Crude Oil-CDI

Our range of Coriolis mass flow meters is designed to suit your need to measure almost any fluid, across any application. Built on the Coriolis principle, these meters measure the mass of the fluids directly, rather than volume. This means they do not require compensations for factors such as temperature and pressure which impact volume and in turn, impact accuracy of measurement.



**Tek-Cor 1100A
Coriolis Flow Meter**

Application

The Tek-nical Problem

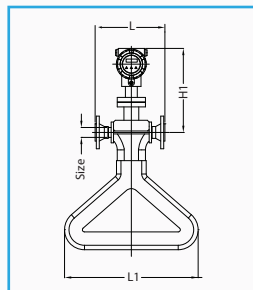
The cluster 21 is formed by 12 oil wells, each well uses progressive cavity pumps. Due to the type of oil (extra-heavy) that is required, a diluent injection system is used to dilute the oil in the pipeline and improve the physical conditions to transport the oil down the pipeline.

A Fluid Solution!

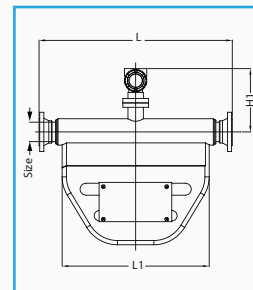
A Tek-trol Coriolis flow meter, model Tek-Cor 1100, was installed to make the measurement of the diluent more stable, even during the change in the physical conditions of the product. With a turndown ratio of 100:1, the Tek-Cor 1100A achieved the accuracy and reliability in all aspects of the flow range.

This is just one example of how Tek-Trol technology solutions is able to help solve company's advanced measurement, automation and control solutions in a variety of industries.

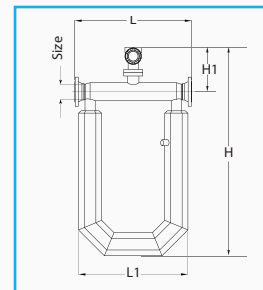
Dimension for Tek-Cor 1100A Coriolis Flow Meter



Nano Sensor (Size ½" to 1")



Standard Sensor (Size ½" to 8")



U-Tube sensor (Size 1 ½" to 8")