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Казахстан (772)734-952-31

<https://welker.nt-rt.ru/> || wrc@nt-rt.ru

ECONOMICAL CRUDE OIL SAMPLER

Sampling low volumes of low-pressure, low-viscosity crude oil? Welker has a low-cost, low-maintenance solution. The **Essentials™ Crude Oil sampler** is a probe-mounted volume regulator with a 3-way solenoid for remote operation. Avoid the inaccuracies and potential hazards of manual tank gauging by including the **Essentials™** on your Lease Automatic Custody Transfer (LACT) Unit for truck and rail car loading or unloading.

IOM IOM-135

Data Sheet **Essentials™** Crude Oil Sampler Data Sheet

Complies With API Chapter 8.2, ASTM D4177, ISO 3171

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MORE BANG FOR YOUR BUCK

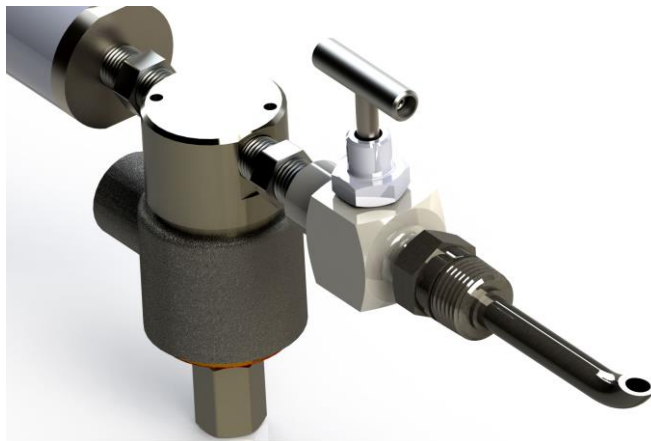
PRACTICAL VALUE

For low frequency sampling of low-density stabilized light crude oils, you don't need a sampler that breaks the bank. The **Essentials™** is the no-frills sampler you need. Install it directly to your low-pressure line and connect the 3-way solenoid to your Programmable Logic Controller (PLC) or other control device to pace the sampler for proportional to flow or timed sampling. Collect composite samples in an atmospheric container, such as a **Welker SCC** or **Welker TCC**.

OUTER LIMITS

EXTERNAL SAMPLE VOLUME ADJUSTMENT

With an externally adjustable sample volume, the **Essentials™** can be easily set from 2–5 cc or from 2–10 cc to suit your sampling requirements. When the solenoid is energized, line pressure fills the Welker Volume Regulator with the desired volume of sample. Trapped under pressure, the sample volume is injected into the connected atmospheric container when the solenoid is de-energized.



WITHOUT INTERRUPTION

EASY MAINTENANCE

There's no need to depressurize your pipeline and remove the **Essentials™ Crude Oil Sampler** for standard maintenance. Closing the valve on the probe isolates the solenoid and Welker Volume Regulator from process pressure, enabling you to safely remove them.

SPECIFICATIONS

ESSENTIALS™ CRUDE OIL SAMPLER

Essentials™ Crude Oil Sampler

Materials of Construction

316/316L Stainless Steel, PTFE, Viton®

Pipeline Connection

3/4" MNPT

Sample Outlet Connection

1/4" FNPT

Insertion Length

10" Standard (Cut to Fit)

Electronics Options

DC 12 V, 1/2" FNPT Solenoid

DC 24 V, 1/2" FNPT Solenoid

Sample Volume

0–5 cc

2–10 cc

Minimum Pipeline Pressure Required

50 psig

Operating Pressure

125 psig MAOP @ -20 °F to 120 °F

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