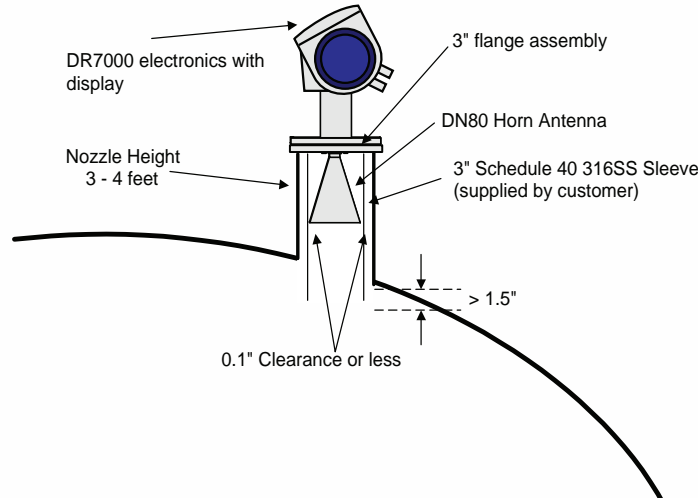


Coker Drum Level in Oil Refineries

The Application

A coker drum involves processing heavy oils for up to 16 hours at 800 degrees Fahrenheit and 65 psig. During this time coke is formed on the surface of the oil. The level of the coke is measured so the process can be run to produce the maximum amount of coke.



The Problem

The temperature of the process, 800° F, is too high for many level technologies. Also, the process produces heavy vapors and sticky residue that eliminates ultrasonic and mechanical measurement technologies.

The Solution

AMETEK Drexelbrook solves this difficult application by installing a DR7000 series FMCW airborne RADAR. The Radar is immune to problems caused by vapors and a special high temp flange assembly handles the hot installation conditions. The DR7000 provides accurate, reliable level of the coke allowing the process to be run to peak efficiency.

Benefits

- Reliable alternative to nuclear gauges.
- Allows process to be run at peak efficiency.
- No routine maintenance required.
- No moving parts to wear out or hang up.

*Consult factory for higher temperature or pressure.

Other Solutions:

- | | | |
|--------------------------|--------------------|--------------------|
| • Acid/Organic Interface | • Methane Reboiler | • Water Draw-off |
| • Solvents | • Oil | • Catalyst Storage |
| • Alkylation Unit | | |

Typical Uses:

- | | | |
|------------------------|-----------------------|-------------------------|
| • Continuous Level | • Point Level | • Waste Management |
| • Inventory Management | • Overfill Protection | • Regulatory Compliance |

U.S.A. Sales: 800-553-9092 • 24-Hour Service: 800-527-6297 • International Support: 215-674-1234 • Fax: 215-674-2731

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