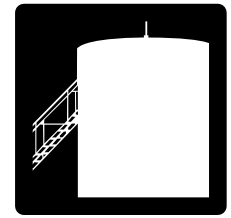


OWD[®] ATD AUTOMATED TANK DEWATERING 2

THE KAM[®] OWD[®] OIL WATER DETECTOR



PROBLEM: The build up of water levels in hydrocarbon storage tanks is an unfortunate and expensive inevitability, reducing storage capacity and corroding tank interiors. Manually discharging accumulated water results in the excessive loss of some hydrocarbons through the draw-off line, in addition to significant cost, man hours, and environmental liabilities.

SOLUTION: In situations where water levels cannot be measured within the tank itself, a KAM[®] OWD[®] Oil Water Detector can be placed on the draw-off line near the tank outlet, monitoring tank discharge for the presence of oil, and automatically triggering the closing of a downstream dump valve. This process significantly reduces discharged oil, man hours, and environmental liabilities.

GREATER EFFICIENCY

- Creates repeatability in the dewatering operation
- Completely automates dewatering process
- Increases tank efficiency as water only accumulates in the drain sump
- Easily installs without having to drain tank

SAVES TIME AND MONEY

- Prevents Tank corrosion, especially on the floor plates
- Prevents costly tank shut downs
- Eliminates labor costs associated with manual operation
- Minimizes loss of hydrocarbons out the waste/draw-off line
- Helps avoid shipping water

REDUCES ENVIRONMENTAL LIABILITIES

- Eliminates visual monitoring of waste/draw-off line
- Reduces the need for human site and chemical exposure
- Reduces risk of oil spills caused by fire and boiling water in the tank
- Limited hydrocarbons in the waste water



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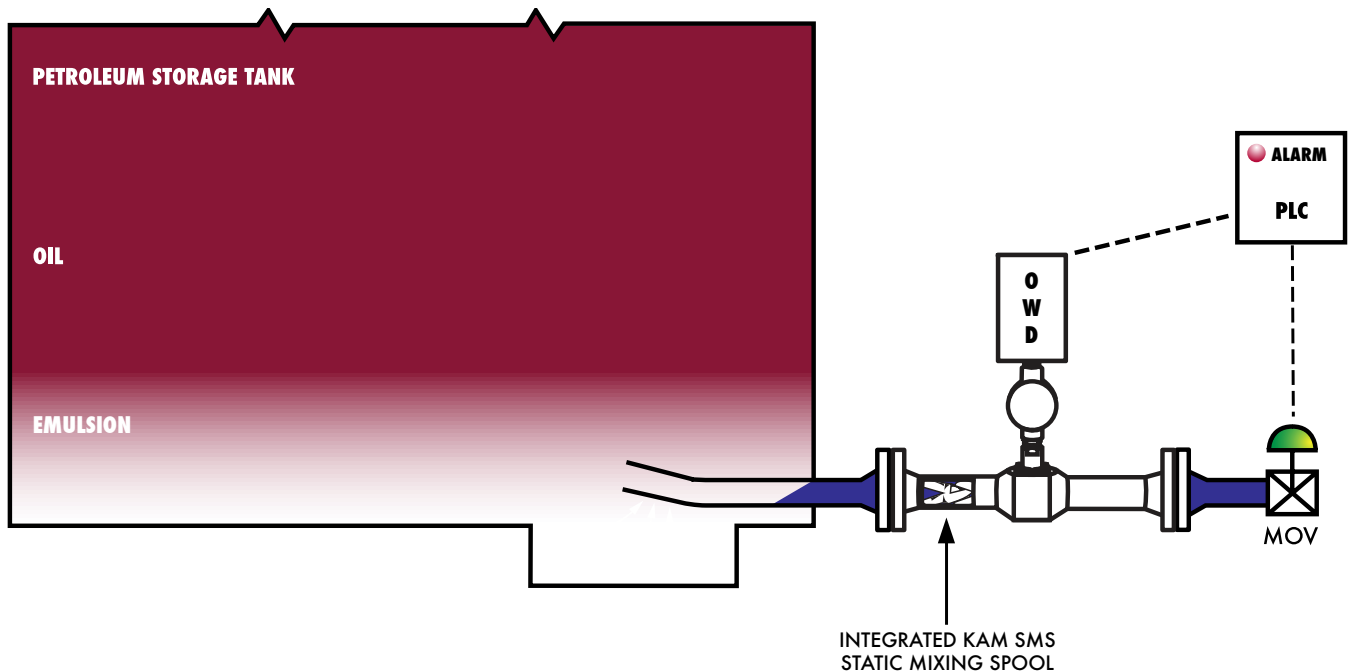
KAM[®] OWD[®] SPOOL

- Patented 3-antenna design
- 1% of full scale accuracy
- All requisite electronics housed within unit and included in unit price
- No salinity offset required
- Automatic temperature correction
- Backed by Free Lifetime Service and the KAM Performance Promise



KAM[®] OWD[®] Spool on 2" seamless pipe with weld-neck flanges; Integrated KAM[®] SMS[®] Static Mixing Spool; 1/2" sample valve with 1/2" pitot probe

IN-LINE DEWATERING



OWD® ATD AUTOMATED TANK DEWATERING 2

THE KAM® OWD® OIL WATER DETECTOR

IN-LINE DEWATERING STEPS

