

FluiMix™ Sampling and Analysis Loop – Technical Data Sheet

FluiMix Ltd has developed zero pressure blending technology that offers the following benefits to a crude oil/condensate sampling and measurement units. FluiMix™ will provide fully homogenous flow for crude/condensate that is fully compliant to the following international standards:

API 8.2, ISO 3171, ASTM D4177, EP 6.2

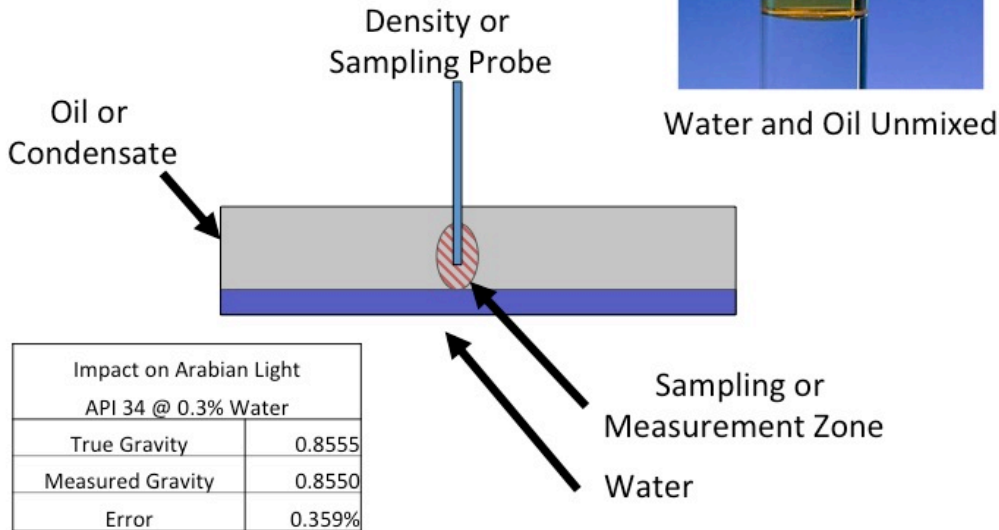
FluiMix Ltd will guarantee the performance of a FluiMix to within 0.025% of the % water content for a typical crude or condensate flow line or sampling point.

The benefits of a FluiMix™ system are:

- **Flow Conditioning** - FluiBlend™ insures that the flow conditioning meets API 8.2, ASTM D4177, EP 6.2 and ISO 3171 Sampling Conditions, This insures that any measurement is made in fully representative flow no matter what the flow rate of the blend. Any water that is not captured in the measurement can add error up to 0.4%
- **Flow Proportional Sampling** – FluiMix Ltd can supply a flow proportional cell sampling unit (72100 Series) complete with self change sample cans, self diagnostic controller and reporting functionality to insure compliance to the sampling standards.
- **Online Fiscal Density Measurement** – Online density measurement can be as much as 0.4-8% inaccurate if the densitometer is placed in non mixed flow. FluiMix Ltd include Fiscal Densitometers within FluiMix Sampling loop that insure that the density is measured accurately.
- **Sulfur Measurement Accuracy** – Online Sulphur measurement requires the sample to be taken from homogenous flow otherwise the measurement can be out by as much as 0.5%. FluiMix Ltd use Rigaku NEXT units located within the FluiMix™ Analyser/Sampling loop to insure Sulfur Measurement can be measured accurately from 200 ppm to 6%.
- **Saltinity Measurement** – Online Salinity Measurement can only be accurately measured using measurement streams taken from homogeneous flow. The FluiMix™ Analyser Loop ensures that whatever salinity meter technology is used, the measurement stream is representative and fully mixed.
- **B, S and W Measurement** – Like Salinity, fully mixed flow is required to insure that any B,S and W measurement is accurate. The FluiMix Analysis and Sampling loop insures that B,S and W is measured to the accuracy of the technology chosen.

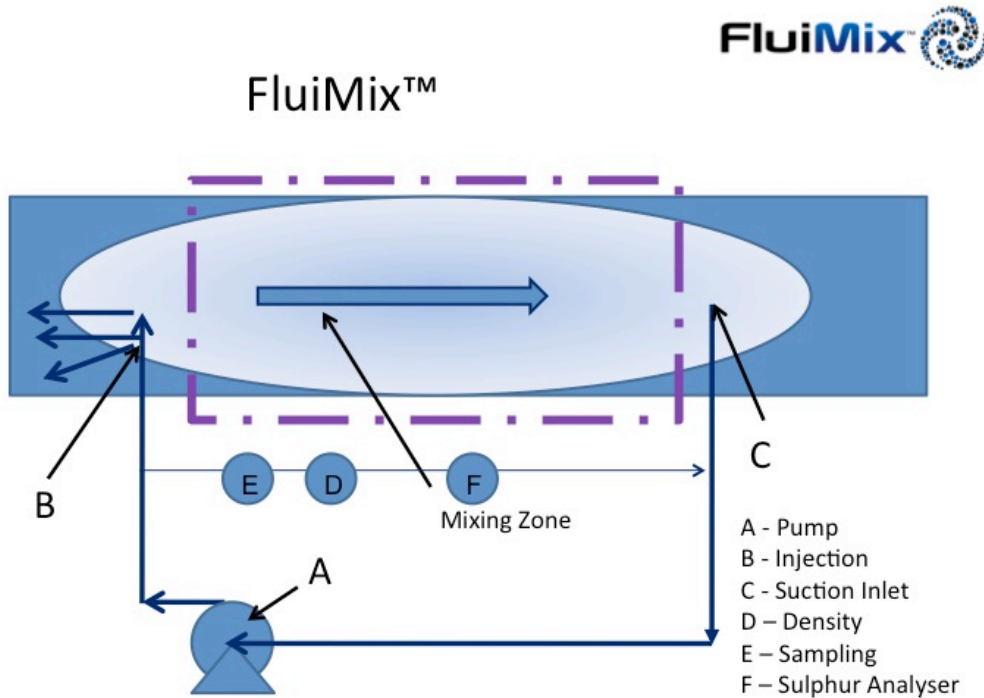
FluiMix Ltd will also supply automatic change over systems; constant pressure sample cylinders and the necessary lab mixing equipment to insure that your samples are fully compliant.

Traditional Measurement Misses all water



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FluiMix typical layout that mixes and captures a truly representative measurement or sample ...!



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