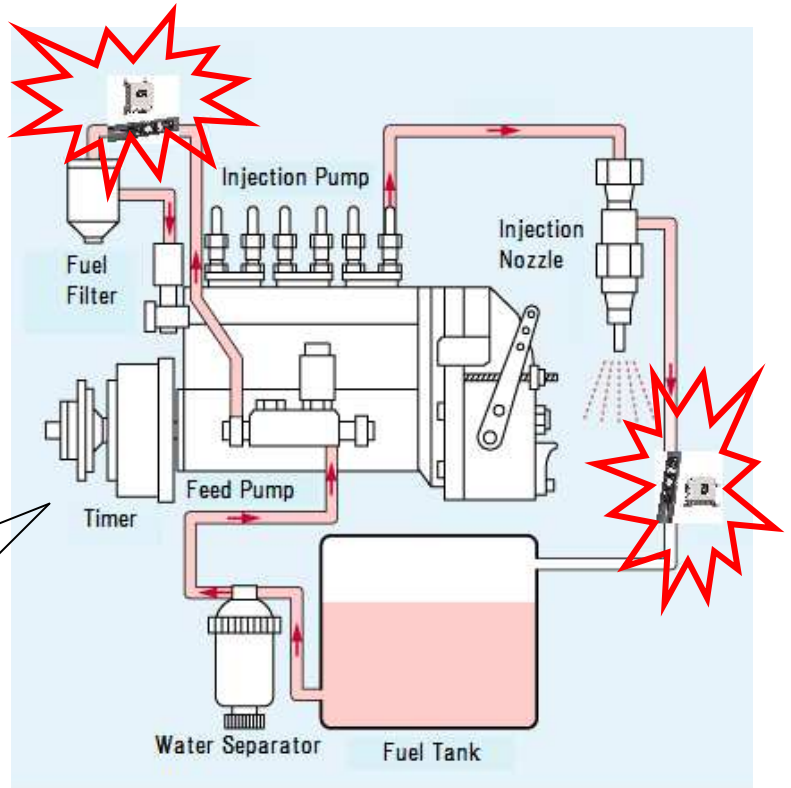


Ultrasonic Flowmeter Application Report 42

- Consumption Monitoring for Fuel Saving -



4 Stroke Diesel Engine



In order to achieve cost effective voyage of vessel, fuel consumption is one of main concern. Clamp-on flowmeter can be cost effective solution in vessels also. During voyages, Clamp-on flowmeter don't require maintenance and be available "easy location change" without flow interruption.

The "Intelligent digital UFW-100" stationary, clamp-on ultrasonic flowmeter with transducers placed on the outside of pipes provides stable instantaneous flow rate measurements.

At this particular site, the UFW-100 stationary flowmeter measures the flow rate of Marine Diesel Fuel before engine and after engine of Jack-up Rig through NPS 2 ~ 2 1/2" pipeline (up to 24"), non-intrusively, from the outside with no interference of flow, and no pressure loss. The sensors are clamped with integrated mounting fixture by stainless steel band.

Fuel pipeline in engine room has characteristics, "bending here and there" and "controlling fuel temperature". So clamp-on ultrasonic flowmeter has a good repeatability of output, this is applicable to fuel monitoring even if fuel pipeline is bending &

winding in engine room. Of course, temperature control of fuel supply system is good for stable measurement.

[Pipe Specification]

Pipe NPS : 2", 2 1/2" (DN 50, 75 mm)
 Pipe material : Carbon Steel
 Lining : None

[Installation Data]

Main Unit : Fixed-type Ultrasonic Flowmeter UFW-100
 Transducer : SE104720T
 Installation : V method / 1 path

For more detailed information, please contact your local representative.

Representative in your Area