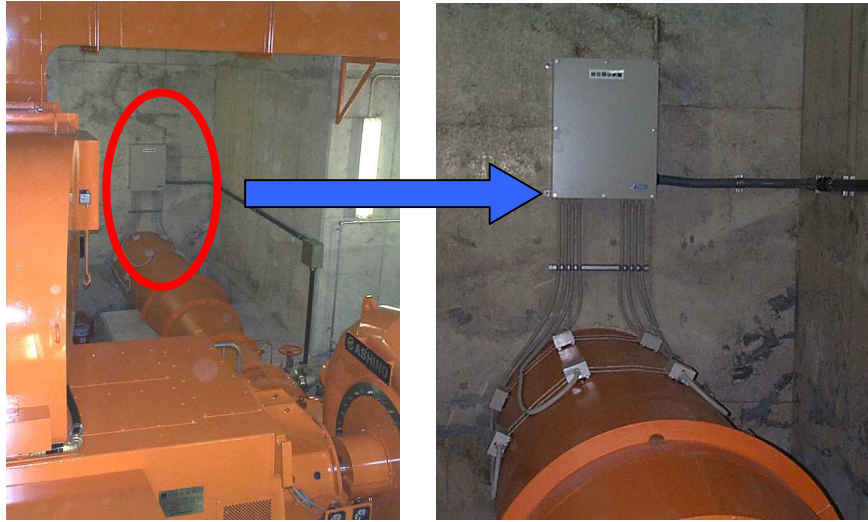


Ultrasonic Flowmeter Application Report 6

- Flow Measurement Near Pump Outlet -



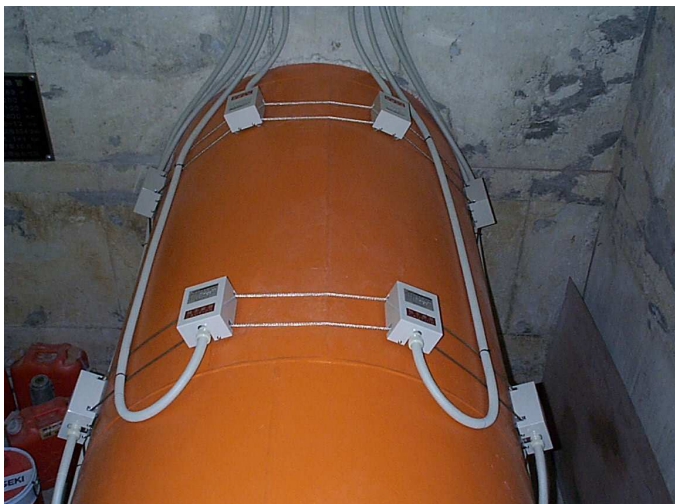
The UFL-20 series stationary, clamp-on ultrasonic flowmeter with multi-path measurement capability incorporating up to 4 pairs of transducers placed on the outside of pipes provides stable instantaneous flow rate measurements.

At this particular site, the UFL-20 series stationary flowmeter with multiple pairs of sensors measures the flow rate through an 800mm diameter pipe, non-intrusively, from the outside with no interference of flow.

The sensors are located downstream, near to the pump and are clamped and fixed onto the pipe by wires.

stationary clamp-on ultrasonic flowmeter. By employing the UFL-20 series stationary clamp-on ultrasonic flowmeter in combination with the appropriate sensor from the variety available and/or the system's multi-path measurement capability you may be able to obtain high stable flow measurements of pipes from 25mm up to 6000mm in nominal diameter under less than ideal conditions.

In addition, the all-in-one UFL-20 main unit boasts 2 independent analog outputs, 4 varieties of contact outputs for totalizing or warnings, and 2 digital communication ports (RS-232C). The Windows-based graphical and user-friendly PC interface is easy to configure and set up.



[Pipe Specification]

Pipe DN : 800mm
 Pipe material : Steel
 Lining : None

[Installation Data]

Main Unit : Stationary Ultrasonic Flowmeter UFL-20
 Transducer : SE044040NC
 Installation : V method / 4 path

Although a 50-fold (or "50D") pipe diameter length of straight run downstream from the pump outlet is normally required for proper measurement, stable measurements—even in applications such as this where straight run lengths are insufficient - can be achieved by applying multi-path measurement methods.

Multi-path measurement is a feature of our UFL-20 series

For more detailed information, please contact your local representative.

Representative in your Area