

National Paints Flow Measurement Solution for Batching

Case:

- 2 x DN80 SS pipes
- Medium: Alkyd Resin
- Viscosity: 2,500 cP
- Temperature: 110°C
- Line pressure: 2.5 Bar
- Challenge: To propose a solution for volumetric & mass flow measurement at varying viscosities without disturbing the process.



Proposed Solution:

- Flexim F704 ultrasonic clamp-on flow meter.
- Clamp-on temperature sensors included for density compensation for precise mass flow measurement.

Why Clamp-On Meter?:

- Zero pressure drops
- No interruption to the system
- Minimal installation costs
- Spare part standardization
- Portable & Fixed versions possible
- Unaffected by liquid pressure, viscosity, and temperature.
- Advanced calibration offering better than $\pm 0.5\%$ accuracy

