



Flow Level Pressure

Ultrasonic Flow Measurement at High Temperatures

The new Wavelnjector™ from **FLEXIM** (Germany) was engineered to extend the temperature range of the FLUXUS™ ADM clamp-on ultrasonic flowmeter. A non intrusive flow measurement is now possible at temperatures as high as 400°C, even in explosive atmosphere (ATEX certified).

When fixed with the Wavelnjector™, the flow transducers send the sound signals into the hot pipe wall via optimized metallic coupling plates. Because of the temperature decrease caused by the coupling plates, no special high temperature transducers are needed. The acoustic contact between the coupling plates and the hot pipe wall is ensured by a metal foil specially adapted to the temperature of the pipe.

The Wavelnjector™ realizes a long-time temperature stable clamp-on ultrasonic flow measurement at high temperatures with a good acoustic efficiency. It offers you the well known advantage of the clamp-on ultrasonic technology: a non-invasive measurement with a high dynamic range and a high flexibility