

Application data sheet

Flow rate monitoring on a purified water system

Customers: BWT Permo, Veolia Water STI, Glaxo Smith Kline, etc.

Sites: Roche Laboratories, etc.

1st installation: 2004.

Industry: Pharmaceuticals.

Description of the application:

Twin-channel flow measurement for demineralised water production and distribution installations. Measurement is performed simultaneously on the flow and return loops. The flow meter checks compliance with the flow rate required for reasons of hygiene and therefore reports any clogging or leak.

The pipes are made of stainless steel, with diameter of up to DN100 and can reach temperatures of up to 100°C during cleaning cycles.



Description of the supply:

- A MINISONIC 600 dual-pipe flow meter,
- Two sets of probes for small diameter pipes SE-1586E1 (DN10 to 110 mm),
- Connecting cables,
- Probe and pipe connection kit.

Special technical specifications:

The entirely external installation avoids any pollution of the fluid and any loss of pressure.

The dual pipe device can be accessed using the supervisory system via the current outputs or the serial links for the Q1, Q2 and Q1-Q2 flows.

Unlike electromagnetic flow meters, the non-conductivity of the fluid does not affect the ultrasound measurements at all.

