# Water supply for the beverage industry

## 200 Prosonic Flow 91W meters measure the water intake

### The customer

Our customer is one of the major beer and soft drinks producers in the Brazilian market. 84.6 million hectoliter output of beer and 29.4 million hectoliters of soft drinks account for a market share of 69% and 18% respectively.

The company operates 34 sites in all regions of Brazil. The wide product portfolio is a mixture of global brands, produces under license for the domestic market, and local brands to serve the local taste.

### The challenge

In line with its environment and corporate responsibility initiatives, our customer takes measures to insure sustainable use of the watersheds that supply 34 plants with potable water.

The initial request from the customer was to equip the water intake of 24 of the 34 productions plants with electromagnetic flowmeters. It was planned to retrofit the flowmeters into the existing pipework, supplying their production with potable water. To do so, the production had to be shut down.

The customer embraced the idea of a turn-key solution, comprising a flowmeter, engineering, installation, commissioning and maintenance.

### The solution

After reviewing the situation at the 24 production plants and taking in account that the customer requested electromagnetic flowmeters, our specialists from Endress+Hauser Brazil came to the conclusion that ultrasonic clamp-on sensors are better suited for this application. It was decided to propose a turn-key solution around the Prosonic Flow 91W. Thus, a concept was developed that address both the customer needs and showed the value proposition offered by the Prosonic Flow 91W in this special case.

The concept was presented to the customer, where it was very well received. The customer clearly understood the value proposition in choosing Prosonic Flow 91W over a solution built around an electromagnetic flowmeter. As a result, Endress+Hauser Brazil was awarded the contract.

The installation of the Prosonic Flow 91W clamp-on sensors was made without shutting down the water supply. The production process could go on as normal.

Although the old pipework provided some challenges, the installation went smoothly and fast. Up to now almost 100 Prosonic Flow 91W flowmeters have been installed, with another 100 scheduled for 2013.

Endress+Hauser

People for Process Automation

## Easy installation and maintenance

The Prosonic Flow clamp-on sensors are mounted on the outside of the pipe. This makes the installation much easier and faster, as it can be done at any time without the need of shutting down the operations. Furthermore, no cutting or welding of the existing pipework is required to do the installation. Prosonic Flow clamp-on sensors are true low-maintenance. They have no physical contact with the liquid in the pipe and are not prone to precipitation. In the very rare occasion that a Prosonic Flow clamp-on sensor fails, it can be replaced fast and easily.

## ... saves time and money

Pipes made from different materials, and with various line sizes, can make installation and maintenance a headache. Prosonic Flow can be used on line sizes starting from as small as DN 15 (½") up to DN 4000 (156"). It is not important whether the pipe is made out of plastic, metal, composite, with liners or other materials. This means that you have to hold only one type of sensor on stock for replacement. It also means that your engineers only have to learn to handle one type of sensor. This helps your engineers to gain experience and work efficiently. It also helps to reduce costs in logistics.

All of this helps you to save time and money.

## Advantages at a glance

**Best value for money**
Unbeatable for large line sizes

**One meter fits it all**
Clamp-on sensors are perfectly scaleable to any line size from DN 15 (½") to DN 4000 (156")

**Flexible concept**
Measure temporary or fixed locations, line size, liquid or pipe material with the same flowmeter

**Straightforward installation**
No cutting or welding of the existing pipework

**Low maintenance**
Done from the outside without shutting down operations

**No degradation**
No precipitation on the sensor due to low quality or aggressive liquids

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