

How can you ensure the maintenance of your level pressure transmitter without stopping production?

Level
measurement

Keywords

- Level measurement
- Flush diaphragm
- Ball-type valve
- Reliable measurement
- Removeable during process
- Low maintenance costs

Context

In some industries, such as food, chemical and paper, the industrial process requires storage tanks to keep liquids or pressure vessels for manufacturing processes. In order to optimise processes and monitor production costs, knowing the level of the liquid contained in the tank is an essential parameter for defining the tank supply or discharge phases. In these conditions, the liquid level measurement must be accurate and reliable. In addition, the liquids measured may be aggressive, adhesive, crystallising, corrosive or viscous.

Flush diaphragm pressure transmitters are commonly used to measure the level of storage tanks. The diaphragm skims the surface of the tank to avoid clogging of the measured liquid.

To ensure accurate and reliable measurement, level transmitter must be periodically removed for cleaning, inspection and calibration.



Challenges

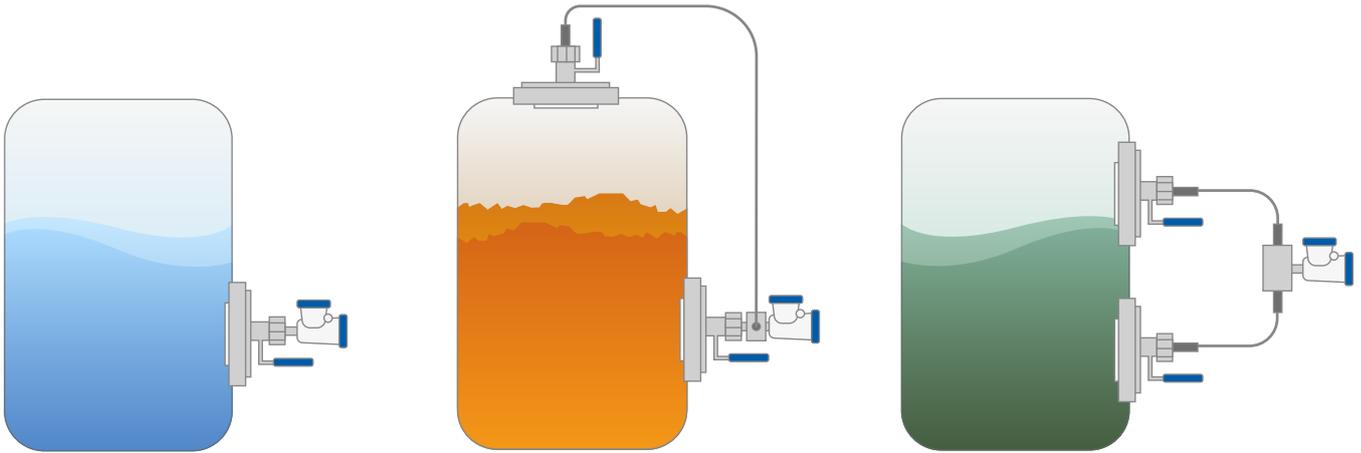
Traditionally, this maintenance represents a major inconvenience: Vessels must be taken out of service and their contents removed. Checking the accuracy of one's level measurement instrument would therefore mean a production stoppage and associated financial losses.

The Fuji Electric solution

Ensure the accuracy of your level measurement without interruption of the plant operation.

Thanks to its integrated ball valve, it is possible to isolate the level pressure transmitter and the replaceable part while in operation. The pressure transmitter for level measurement can be removed without emptying the vessel.

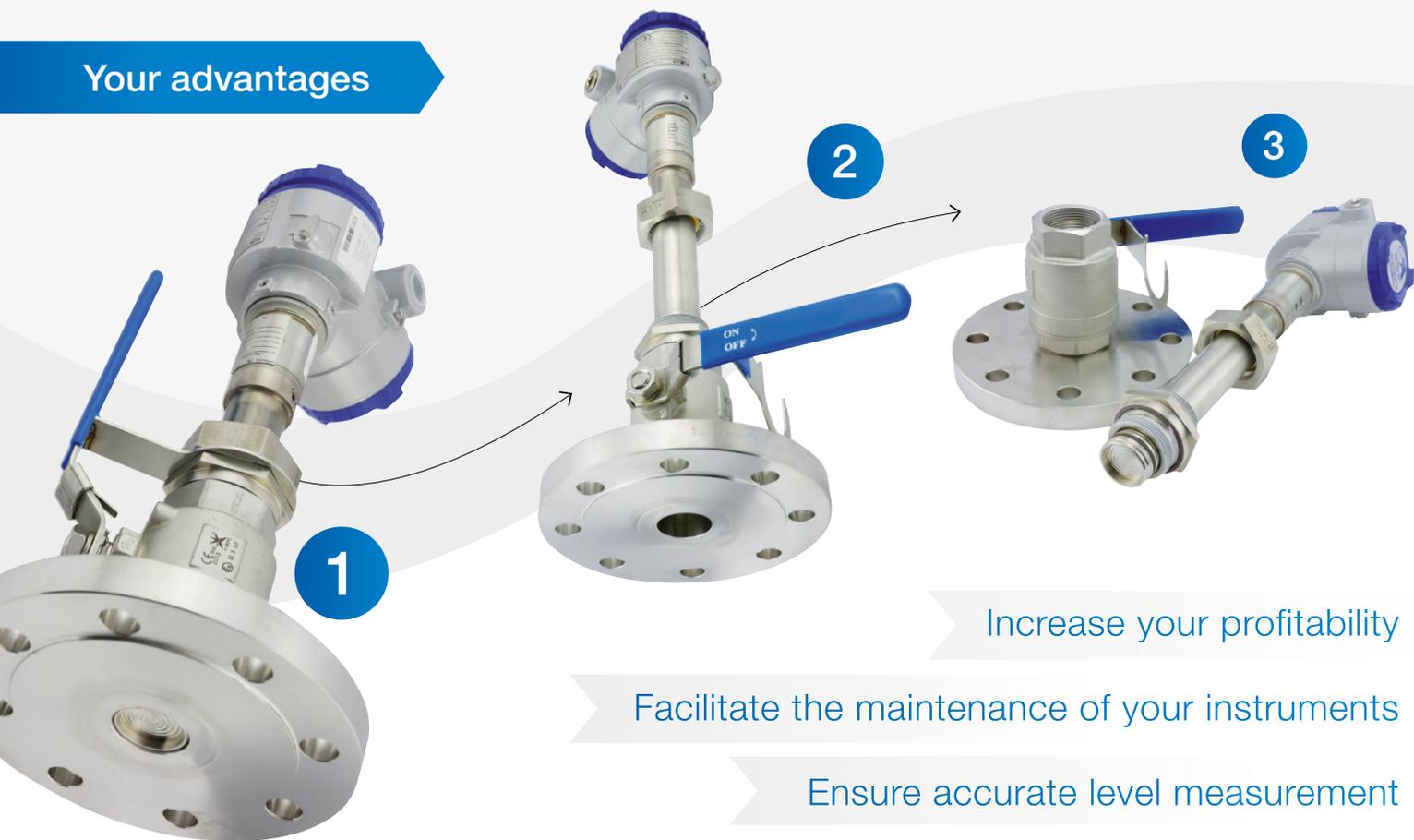
This means that cleaning, maintenance, calibration or replacement of the instrument can be carried out at any time without stopping the production process. This unique combination is composed by a flush diaphragm on the level transmitter and a special ball valve. It ensures accurate measurement while allowing the process to continue without loss of production, thus increasing equipment availability.



« Retractable level transmitter without removing the process is a real boon when you consider how much downtime costs in any industrial environment. »



Your advantages



Increase your profitability

Facilitate the maintenance of your instruments

Ensure accurate level measurement

Reduce your production and maintenance costs

Retractable liquid level transmitter

- Without shutting down your installation
- Maximum flexibility and wide range of applications
- Integrated linearization function
- Flush diaphragm resistant to attacks, corrosion and abrasion
- Easy calibration and maintenance
- Designed to last in harsh environments
- Made in France : short delivery time and high quality



FE Fuji Electric

FUJI ELECTRIC FRANCE S.A.S.

46, rue Georges Besse - ZI du Brézet - 63 039 Clermont-Ferrand Cedex 2 - France
Tél. France : 04 73 98 26 98 - Fax. 04 73 98 26 99
Tél. International : +33 4 73 98 26 98 - Fax. +33 4 73 98 26 99
Email : sales.dpt@fujielectric.fr - Web : www.fujielectric.fr

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