

Batch dispensing in food, brewery, dairy and soft drink processing plant

Delivering pre-set quantity of product accurately and reliably

Improving the efficiency and accuracy of your batch dispensing process

Measurement made easy



Introduction

Batch dispensing systems are a convenient way of dispensing a predetermined amount of product through a system. Batch dispensing significantly reduces the product handling that, in turn, reduces batch manufacturing times and improves batch-to-batch consistency.

The process

The ControlMaster CM15 process indicator can be configured as a simple, accurate and reliable batching unit. A fully automatic batching system can be assembled with a minimum of additional equipment. The batch process can be started by resetting the CM15's totalizer by either a digital signal from a remote push-button or from the indicator's front panel. When the totalizer preset count is reached, the output relay changes state and stops the flow through the solenoid valve. Pressing the push-button restarts the process.

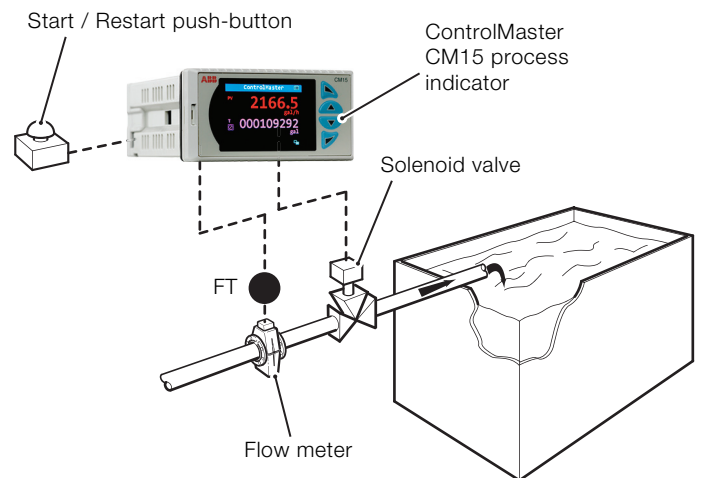


Fig. 1: Batch dispensing process overview

What ABB products are suitable?

ControlMaster CM15 process indicator



ABB's panel-mount CM15 indicator is a feature-packed 1/8 DIN universal process indicator. A crystal-clear, full-color, TFT display shows operators exactly the information they need to know and provides operation and configuration menus in full text, making the CM15 intuitive to use and very quick to install and commission.

CM15 feature includes:

- Direct, high accuracy connection to electromagnetic flow meters such that frequency signal can be totalized and displayed on screen. Totalization and counter functions for calculation and display of flow total values and pulse counting capability.
- Dual-point indication enabling two process values to be simultaneously displayed.
- IP66 and NEMA 4X environmental protection for 'on-site' measurement and indication.
- MODBUS® and Ethernet communication options for flexible connectivity into virtually any higher level system.

Acknowledgements

MODBUS is a registered trademark of the Modbus-IDA organization

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