

Switch Ensures Full Drainage of Vessel

RESULTS

- Reliable detection of low level to ensure total emptying
- Protects pump from running dry
- Prevents product cross-contamination



APPLICATION

Low-level drain of oils in vessels stored at ambient pressure and temperature.

CUSTOMER

Chemical company in Europe

CHALLENGE

The challenge at this particular plant was to ensure that none of the previous mix, which may have a different formulation, remains in the vessel. To accomplish this, detection of fluid level should be as low as possible.

SOLUTION

The short fork technology of the Rosemount 2120 allowed it to be mounted on the outlet line of the vessel where minimal space was available. The location of the Rosemount 2120 ensured that the vessel was completely emptied and the unit provided an empty vessel indication at the control panel. This prevented cross-contamination of products between batches.

In addition, the Rosemount 2120 was used to control the pump using the direct load switching electronics output option to prevent the pump from running dry. This provided protection against damage to the pump and insured loop availability.

RESOURCES

Rosemount 2120

<http://www.emersonprocess.com/rosemount/products/level/m2120.html>



Rosemount 2120 mounting for successful low-level drain.

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