

Paddle switch in PVC powder

The Challenge



The biggest producer of ethylene in Europe needs for silos, where PVC powder is stored, limit detectors to protect against overfilling and also to detect empty. PVC powder has a low dielectric constant, the density is about 700g/l. So specially the empty detectors should have a high mechanical stability.

Our Solution

The application is solved with rotating paddle switches RN3000. The simple electromechanical switch has a stable stainless steel extension which keeps the mechanical forces from the product. It has enough sensitivity to detect the PVC powder and protect against overfilling. The sensor is dust sealed and works reliable in PVC powder for many years. It can be adapted to different process connections and power supplies.

Products



RN 3002 Tube Extension

Full Detector

Tube extension version

- Vertical or oblique installation.
- Protection tube ensures high mechanical load strength to the shaft.
- Flexible height adjustment.



RN 3003 Angled Extension

Full, Demand, Empty Detector

Right angled gearhead with extension tube

- Horizontal installation.
- Mechanically robust level switch for heavy bulk solids.