

Level limit measurement in bottle snippets

The challenge



Our customer, from the Russian Federation, recycles bottles. He asked for a limit detection in a vessel with snippets to be cleaned with a rinsing solution. The problem is the size of the snippets and the strong deposit build-up of the material. This interface measurement can not be solved with a vibrating probe.

Our solution

The rotating paddle switches of series ROTONIVO RN4001 have been installed at the top of the vessel. In there, the bottle snippets are cleaned from dirt, tags and lids with the rinsing solution. The process temperature is $+40^{\circ}$ to $+80^{\circ}\text{C}$. Moreover, a mixer, steam and rough conditions make up further problems. The sensors with pendulum shaft extension have been installed at different points to ensure an optimized filling of the vessel. The rotating paddle switches are integrated in the management of the filling screw. The housing and the process connection made of plastics PA6 are resistant to the aggressive and humid medium of the rinsing solution.



Products



RN 4001 Pendulum Shaft

Full Detector

Version with pendulum shaft

- Vertical installation.
- Flexibly adjustable switch point on pendulum shaft.