

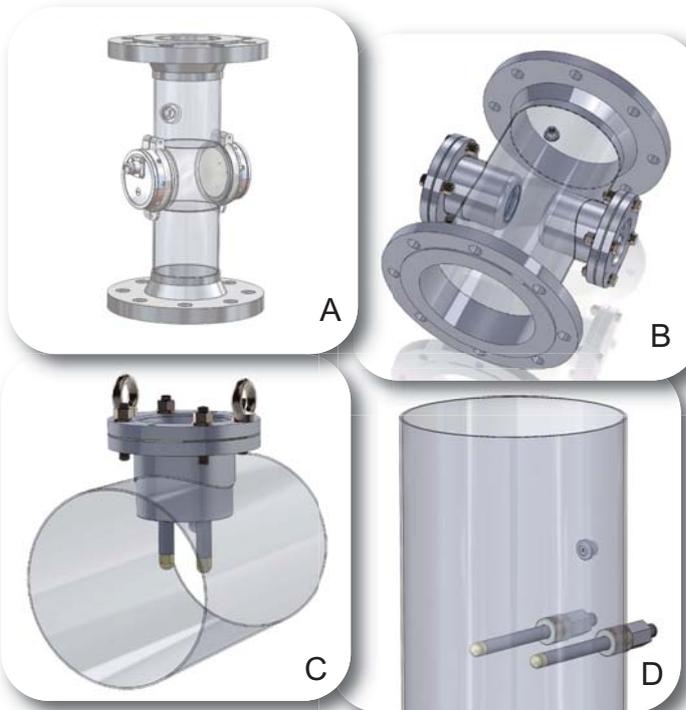


Application Report: Measurement of dry substance in the evaporating station



In the multi-stage evaporating station the thin juice is thickened to the required maximum dry substance content. In the stage of evaporation thermal efficiency aiming at energy saving is also of major economic importance for processes in the subsequent crystallization.

The balance between dry substance content of thick juice and the steam requirements is decisive for control and regulation of the plant. With the proMtec microwave measuring system the dry substance content is precisely determined and provides the basis for an efficient regulation of the liquid and vapour stream to avoid instabilities of the dry substance content in thick juice.



Due to a longstanding experience in the sugar industry sector a wide range of flexible installation options can be offered by proMtec.

Depending on technical requirements and available budget different installation variants can be selected:

- A - Pre-assembled Inline measuring sections, provided with individual mounting flanges.
- B - Same installation type like A, but also possible for large measuring sections up to DN 400. Optionally only with welding necks and intrusions for fixed pipes
- C - Pre-assembled intrusion with mounting neck that can be welded on the measuring section
- D - Set of insertion probes with welding sockets

