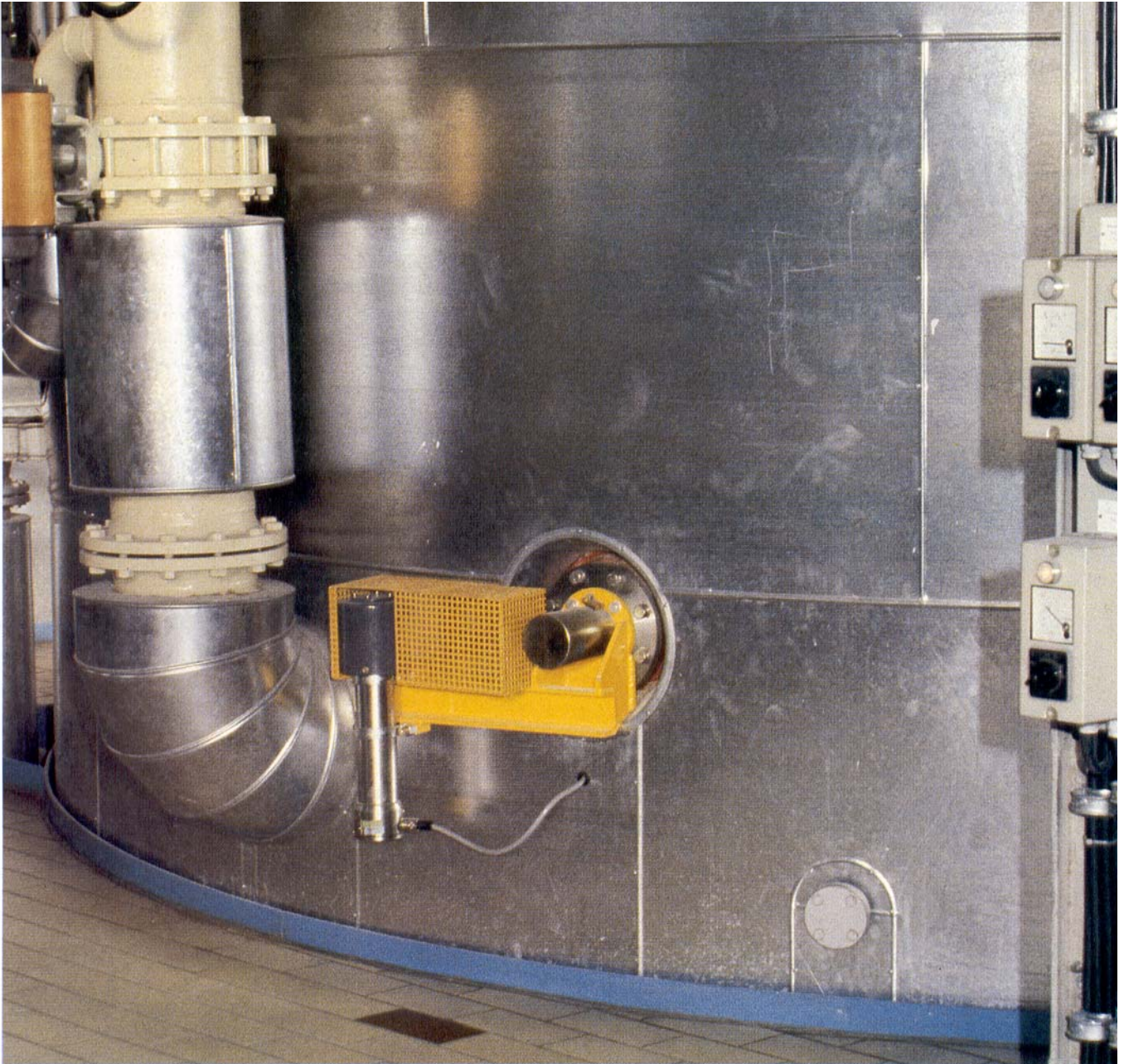


# Product Information

## Measurement of density for vacuum pans in sugar plants



A special shielding has been developed for installations in cooking pans during sugar crystallization. This shielding has such a compact shape that it can be exchanged for existing mechanical systems without any problems so that you can make use of the advantages offered when using the Berthold density measuring system:

- in-line measurement, increases operating safety
- almost no wearable parts, as no mechanical parts are necessary
- high longterm stability due to drift stabilization

# Density Gauge for cooking pans

The design is especially made for a maximum of safety.

This is achieved by using:

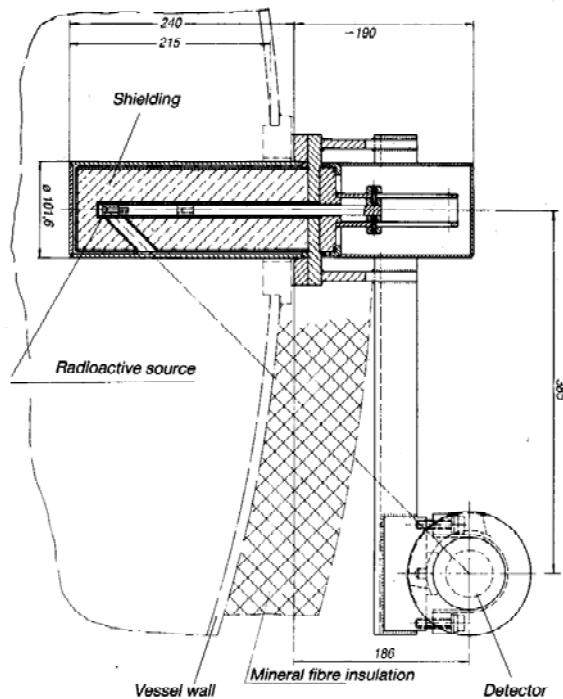
- a protection pipe of stainless steel with thick walls
- a lead shielding with a stainless steel sleeve
- a pipe in this shielding offers additional mechanical protection
- a radioactive source which is manufactured with a double stainless steel capsule.

To make the installation as simple as possible the shielding has a bracket for the scintillation counter thus one must not weld the equipment to install it. In addition to this the heat insulation can mostly be left unchanged lessening the dangers of incrustation.

Measuring amplifier LB 444. The measuring result is available in the form of isolated current signal.

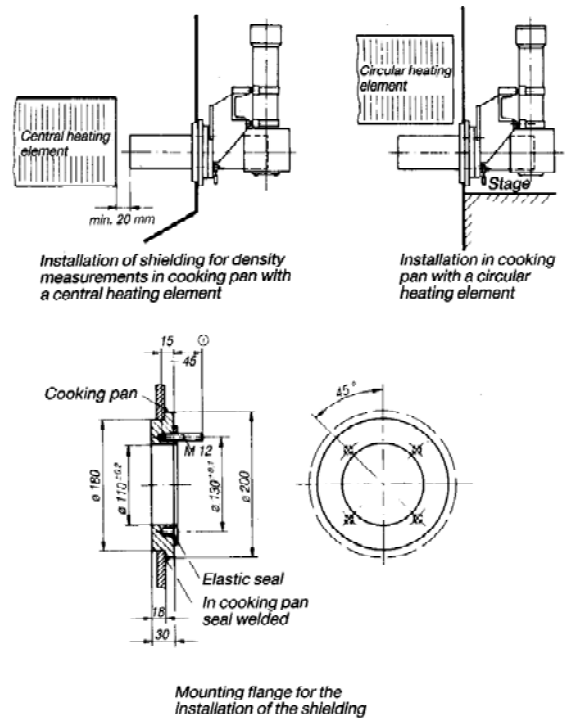
Operating safety and maintenance expectations of this measuring system have been fulfilled in all the installations so far. Varied repeated tests resulted in a measuring accuracy for super saturation of  $\pm 0,01$ .

## Dimensions



Subject to change without notice

## Installation instructions



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