



More than **sensors + automation**

Hygienic Thermowells for RTD Temperature Probes in the Food and Pharmaceutical Industry

Hygienic design combined
with maximum flexibility

- Rapid response times
- EHEDG-certified process connections
- Reduced servicing and maintenance costs
- Fast and easy replacement of the probe
- Easy cleaning
- High process reliability



Type 902812

Hygienic design combined with maximum flexibility

The hygienic thermowells have been designed for use with standard temperature probes in the food and pharmaceutical industry.

All common process connections within the industry such as clamp, VARIVENT®, aseptic screw connection according to DIN 11864-1, and the CIP-compliant conical seal are available as a thermowell. Stainless steel 316L is used as the standard material with the surface finish of Ra <0.8 µm. A surface finish of Ra <0.4 µm is also available as an option. Individual process connections, such as the CIP-compliant conical seal, are EHEDG-certified. This wide variety creates a versatile system suitable for any application.

By using hygienic thermowells, the process is hygienically sealed. Easy replacement of the sensor is guaranteed without interrupting the process. As a result, servicing and maintenance costs can be reduced.

Features

Material	1.4404 (316L)
Surface	Standard Ra ≤ 0.8 µm Optional Ra ≤ 0.4 µm
Insertion lengths	50, 100, and 150 mm
Response time in water	t _{0.50} = approx. 3 s t _{0.90} = approx. 8 s
Process connections	CIP-compliant conical seal, VARIVENT® aseptic according to 11864-1, spherical welding sleeve, clamp, weld-in sleeve, milk cone, BioControl®

Application areas

- Food industry
- Pharmaceutical industry
- CIP/SIP plants
- Mechanical and plant engineering

Basic types

JUMO RTD temperature probe

For food and pharmaceutical applications
Type 902810

JUMO Dtrans T100

Screw-in RTD temperature probe with transmitter
Type 902815

JUMO DELOS T

Electronic temperature switch with display and analog output
Type 902940



Hygienic thermowells

Weld-in sleeve
Type 902812

Clamp
DN 10/20, 25/40, 50
according to DIN 32676
Type 902812

VARIVENT®
DN 15/10, DN 15/10, 32/25, DN 50/40
Type 902812

CIP-compliant conical seal
Type 902812

