



**Operating Instructions  
for  
Stainless Steel Thermowells**

**Model: TSH**



# **TSH**

## **1. Operating Principle**

The KOBOLD TSH series thermowells allow stem thermometers to be used with aggressive measuring substances and/or provide ease of thermometer removal if maintenance is required without depressurizing or draining of the system.

## **2. Installation**

Care must be taken to ensure that the thermometer's sensing bulb is of the appropriate diameter and is not damaged before or during installation.

**CAUTION:** Do not attempt to bend or straighten the bulb.

The sensing bulb is designed to be totally immersed in the medium which is being measured via the thermowell. When fitting the sensing bulb to the thermowell, a considerable reduction in heat transfer delay may be accomplished by filling the thermowell with a nominal quantity of heat transfer compound (i.e. thermal paste or graphite). Be sure that the sensing bulb is not forced against the bottom of the thermowell when tightening the sleeve nut as this can lead to an increase in pressure within the bulb, causing incorrect temperature readings.

In most cases, a suitable amount of clearance is already incorporated into the thermometer's stem and thermowell as they are manufactured as a matched assembly. If an adjustable fitting is specified, the stem should be inserted into the thermowell until it bottoms and then withdrawn approximately 5 mm (~0.2") before tightening the compression nut to hand-tight plus one-quarter turn.