

## STANDARD MANUFACTURING PRACTICES

Tempsens thermowells are constructed to the following tolerances/descriptions:

Item	Tolerance/Description
Lengths	$\pm 1/16$ " on lengths 12" or less $\pm 1/8$ " on lengths over 12"
O.D. Tolerances	$\pm 0.15$ mm
Bore I.D.	+0.005
End Thickness	1/4" $\pm 1/16$ "
Concentricity of Bore to O.D.	$\pm 10\%$ of minimum wall thickness
Wetted Surfaces Finish	16-32 Ra is standard. Special finishes are available on request.
Process Connection Thread	In compliance with ANSI B1.20.1-92. Thread specifications vary with the process connection size.
Instrument Connection	1/2-14 NPT standard, 1/2-14 NPSM optional*
End of Wells	Break corners, no burrs
Lagging Extension	Hex on threaded wells (or wrench flats where applicable)
Stamping	Type of material standard; customer name and heat or tag number if required.
Flanges	Made in accordance with ANSI B16.5. Raised face is serrated 125/250 RMS STD
Welding	Full penetration welds are standard on 300 lb. and up

### Temperature Sensor Technology