

# THERMOWELLS

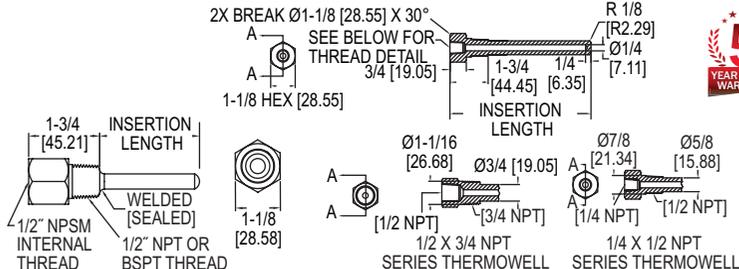
## Thermowells for Building Automation Temperature Sensors



Machined thermowell



Fabricated (welded) thermowell



The **Series TE-TNS Stainless Steel Thermowells** are used to separate the instrument from the surrounding media. When used with the Series TE and TE-I Immersion Temperature Sensors, further protection is offered from aggressive media, high pressures, and flow rates while allowing for quick and easy installation of temperature sensors without having to drain process media. Thermowells are offered in both 304 and 316 stainless steel allowing for superior corrosion resistance. Fabricated, or welded, thermowells are constructed from a tube that is closed at the tip by a welded solid tip. Solid-machined thermowells are manufactured from barstock.

**FEATURES/BENEFITS**

- Configurable materials and sizes
- Fabricated (welded) or machined construction
- 1/2" or 3/4" NPT process connections

**APPLICATIONS**

- Building automation
- Chiller or boiler loops
- Chemical industry or process technology

MODEL CHART						
Example	TE-TNS	-N	9	5N	-14	TE-TNS-N095N-14
Series	TE-TNS					Stainless steel thermowell
Thread Type		N				NPT
Length			25 04 06 09 12 18			2.5" 4" 6" 9" 12" 18"
Material & Construction				3N 4N 5N		304 SS fabricated (welded) 304 SS machined 316 SS machined
Connection (Internal & External)					00 12 14	1/2" NPSM / 1/2" NPT 1/2" NPT / 3/4" NPT 1/4" NPT / 1/2" NPT

**SPECIFICATIONS**

**Maximum Pressure:** Fabricated: 140 psi; Machined: 304 SS: 3700 psi; 316 SS: 5500 psi.  
**Maximum Temperature:** Fabricated: 1000°F (538°C); Machined: 1200°F (648°C).  
**Construction:** Fabricated (welded) or machined model specific.

**MODEL CHART**

Model	Material	Length	Construction	Connection (Internal/External)
TE-TNS-N254N-12	304 SS	2.5"	Machined	1/2" NPT / 3/4" NPT
TE-TNS-N254N-14	304 SS	2.5"	Machined	1/4" NPT / 1/2" NPT
TE-TNS-N044N-14	304 SS	4"	Machined	1/4" NPT / 1/2" NPT
TE-TNS-N044N-12	304 SS	4"	Machined	1/2" NPT / 3/4" NPT
TE-TNS-N064N-14	304 SS	6"	Machined	1/4" NPT / 1/2" NPT
TE-TNS-N064N-12	304 SS	6"	Machined	1/2" NPT / 3/4" NPT
TE-TNS-N094N-14	304 SS	9"	Machined	1/4" NPT / 1/2" NPT
TE-TNS-N094N-12	304 SS	9"	Machined	1/2" NPT / 3/4" NPT
TE-TNS-N124N-14	304 SS	12"	Machined	1/4" NPT / 1/2" NPT
TE-TNS-N124N-12	304 SS	12"	Machined	1/2" NPT / 3/4" NPT
TE-TNS-N045N-14	316 SS	4"	Machined	1/4" NPT / 1/2" NPT
TE-TNS-N045N-12	316 SS	4"	Machined	1/2" NPT / 3/4" NPT
TE-TNS-N065N-14	316 SS	6"	Machined	1/4" NPT / 1/2" NPT
TE-TNS-N065N-12	316 SS	6"	Machined	1/2" NPT / 3/4" NPT
TE-TNS-N095N-14	316 SS	9"	Machined	1/4" NPT / 1/2" NPT
TE-TNS-N095N-12	316 SS	9"	Machined	1/2" NPT / 3/4" NPT
TE-TNS-N125N-14	316 SS	12"	Machined	1/4" NPT / 1/2" NPT
TE-TNS-N125N-12	316 SS	12"	Machined	1/2" NPT / 3/4" NPT
TE-TNS-N253N-00	304 SS	2.5"	Fabricated	1/2" NPSM / 1/2" NPT
TE-TNS-N043N-00	304 SS	4"	Fabricated	1/2" NPSM / 1/2" NPT
TE-TNS-N063N-00	304 SS	6"	Fabricated	1/2" NPSM / 1/2" NPT
TE-TNS-N083N-00	304 SS	8"	Fabricated	1/2" NPSM / 1/2" NPT
TE-TNS-N123N-00	304 SS	12"	Fabricated	1/2" NPSM / 1/2" NPT
TE-TNS-N183N-00	304 SS	18"	Fabricated	1/2" NPSM / 1/2" NPT