

THERMOWELLS

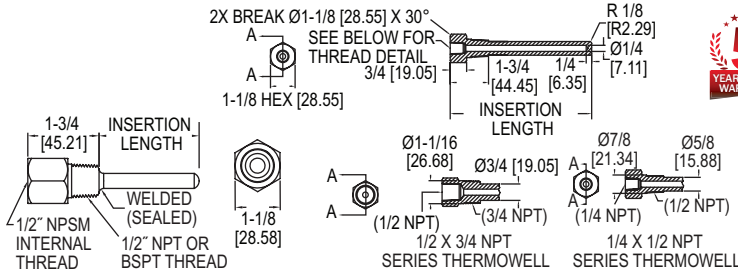
Thermowells for Building Automation Temperature Sensors



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			2.5 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)	Price	
TE-TNS-N044N-14	304 SS	4"	Machined	1/4" NPT / 1/2" NPT	\$18.50	
TE-TNS-N044N-12	304 SS	4"	Machined	1/2" NPT / 3/4" NPT	16.25	
TE-TNS-N064N-14	304 SS	6"	Machined	1/4" NPT / 1/2" NPT	19.75	
TE-TNS-N064N-12	304 SS	6"	Machined	1/2" NPT / 3/4" NPT	19.75	
TE-TNS-N094N-14	304 SS	9"	Machined	1/4" NPT / 1/2" NPT	33.25	
TE-TNS-N094N-12	304 SS	9"	Machined	1/2" NPT / 3/4" NPT	31.50	
TE-TNS-N124N-14	304 SS	12"	Machined	1/4" NPT / 1/2" NPT	48.25	
TE-TNS-N124N-12	304 SS	12"	Machined	1/2" NPT / 3/4" NPT	46.25	
TE-TNS-N045N-14	316 SS	4"	Machined	1/4" NPT / 1/2" NPT	22.50	
TE-TNS-N045N-12	316 SS	4"	Machined	1/2" NPT / 3/4" NPT	20.50	
TE-TNS-N065N-14	316 SS	6"	Machined	1/4" NPT / 1/2" NPT	37.50	
TE-TNS-N065N-12	316 SS	6"	Machined	1/2" NPT / 3/4" NPT	23.75	
TE-TNS-N095N-14	316 SS	9"	Machined	1/4" NPT / 1/2" NPT	37.50	
TE-TNS-N095N-12	316 SS	9"	Machined	1/2" NPT / 3/4" NPT	35.75	
TE-TNS-N125N-14	316 SS	12"	Machined	1/4" NPT / 1/2" NPT	52.50	
TE-TNS-N125N-12	316 SS	12"	Machined	1/2" NPT / 3/4" NPT	50.50	
TE-TNS-N253N-00	304 SS	2.5"	Fabricated	1/2" NPSM / 1/2" NPT	14.50	
TE-TNS-N043N-00	304 SS	4"	Fabricated	1/2" NPSM / 1/2" NPT	14.50	
TE-TNS-N063N-00	304 SS	6"	Fabricated	1/2" NPSM / 1/2" NPT	14.50	
TE-TNS-N083N-00	304 SS	8"	Fabricated	1/2" NPSM / 1/2" NPT	17.75	
TE-TNS-N123N-00	304 SS	12"	Fabricated	1/2" NPSM / 1/2" NPT	21.00	
TE-TNS-N183N-00	304 SS	18"	Fabricated	1/2" NPSM / 1/2" NPT	26.00	