

A Leading Manufacturer of Quality Thermocouple and RTD Assemblies Since 1972

Thermowells

Thermowells are used to provide an isolation between a temperature sensor and the environment, either liquid, gas or slurry. A thermowell allows the temperature sensor to be removed and replaced without compromising either the ambient region or the process.

Care must be taken in determining the material used for the thermowell as well as other factors. Thermo Sensors offers design assistance that includes pressure, temperature and or corrosion as well as vibration effects of the fluids. This vibration can cause well stem failure.

Thermo Sensors thermowell materials include:

- Carbon Steel
- 304 & 316 Stainless Steel
- Monel
- Brass

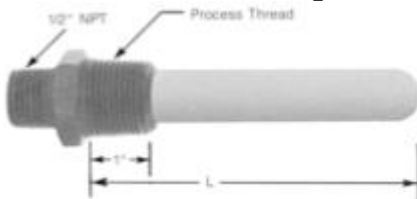


Please refer to our order guide to assist in determining your needs. We can also provide technical design assistance and application suggestions. Give us a call.

Ceramic Protecting Tubes - Primary/Secondary

Ceramic Protecting Tubes - Primary

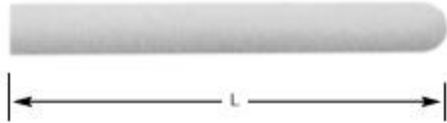
With Double Threaded Bushing



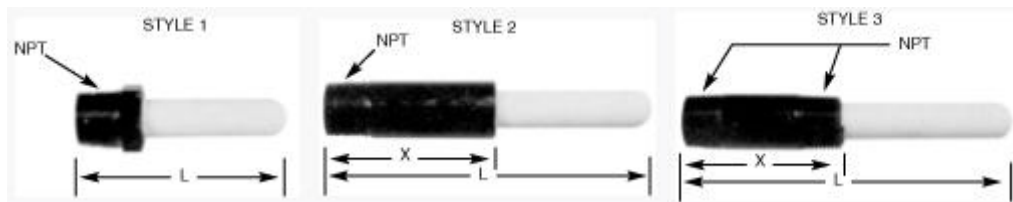
Tube Size* I.D. x O.D.	Process* Thread	Part Number	
		C30 Ceramic	C98 Ceramic
1/4" x 3/8"	3/4" NPT C.S.	C30 140F-(L)	C98 140F-(L)
3/8" x 1/2"	3/4" NPT C.S.	C30 380F-(L)	C98 380F-(L)
7/16" x 11/16"	3/4" NPT C.S.	C30 716F-(L)	C98 716F-(L)
9/16" x 3/4"	3/4" NPT C.S.	C30 916F-(L)	C98 916F-(L)
5/8" x 7/8"	1" NPT C.S.	C30 580F-(L)	C98 580F-(L)
3/4" x 1"	1 1/4" NPT C.S.	C30 340F-(L)	C98 340F-(L)

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Without Fitting



Tube Size* I.D. x O.D.	Part Number	
	C30 Ceramic	C98 Ceramic
1/4" x 3/8"	C30 140-(L)	C98 140-(L)
3/8" x 1/2"	C30 380-(L)	C98 380-(L)
7/16" x 11/16"	C30 716-(L)	C98 716-(L)
9/16" x 3/4"	C30 916-(L)	C98 916-(L)
5/8" x 7/8"	C30 580-(L)	C98 580-(L)
3/4" x 1"	C30 340-(L)	C98 340-(L)



Tube Size* I.D. x O.D.	NPT**	Style 1		Style 2		Style 3	
		C30 Ceramic	C98 Ceramic	C30 Ceramic	C98 Ceramic	C30 Ceramic	C98 Ceramic
1/4" x 3/8"	3/4"	C30T140-(L)	C98T140-(L)	C30N140-(L)-(X)	C98N140-(L)-(X)	C30D140-(L)-(X)	C98D140-(L)-(X)
C98D140-(L)-(X)	3/4"	C30T380-(L)	C98T380-(L)	C30N380-(L)-(X)	C98N380-(L)-(X)	C30D380-(L)-(X)	C98D380-(L)-(X)
7/16" x 11/16"	3/4"	C30T716-(L)	C98T716-(L)	C30N716-(L)-(X)	C98N716-(L)-(X)	C30D716-(L)-(X)	C98D716-(L)-(X)
9/16" x 3/4"	3/4"	C30T916-(L)	C98T916-(L)	C30N916-(L)-(X)	C98N916-(L)-(X)	C30D916-(L)-(X)	C98D916-(L)-(X)
5/8" x 7/8"	1"	C30T580-(L)	C98T580-(L)	C30N580-(L)-(X)	C98N580-(L)-(X)	C30D580-(L)-(X)	C98D580-(L)-(X)
3/4" x 1"	1 1/4"	C30T340-(L)	C98T340-(L)	C30N340-(L)-(X)	C98N340-(L)-(X)	C30D340-(L)-(X)	C98D340-(L)-(X)

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* Other tube sizes and fittings are available on special order.
 ** Other thread sizes may be specified using the optional fitting table below.

Optional Fittings			
Process Thread	Material	Maximum Tube O.D.	Option Code
1/2" NPT	Carbon Steel	1/2" O.D.	4C
1/2" NPT	Stainless Steel	1/2" O.D.	4S
3/4" NPT	Stainless Steel	3/4" O.D.	6S
1" NPT	Carbon Steel	1" O.D.	8C
1" NPT	Stainless Steel	1" O.D.	8S
1 1/4" NPT	Carbon Steel	1 1/8" O.D.	10C
1 1/4" NPT	Stainless Steel	1 1/8" O.D.	10S
1 1/2" NPT	Carbon Steel	1 1/2" O.D.	12C
1 1/2" NPT	Stainless Steel	1 1/2" O.D.	12S

Ceramic Protecting Tubes - Secondary



Material	I.D. x O.D.	Style	Part Number
Silicon Carbide	1" x 1 3/4"	Collar	SCT 100 WC-(L)
		No Collar	SCT 100 NC-(L)
Hardware to Connect "SCT100WC" to Head			

How to Order:

Select the tube size from the table and specify the part number shown for the desired material (C30 or C98), replacing the (L) and (X) with the required length in inches. If a fitting other than the standard thread is required, specify by adding the "option code" from the optional fitting table as a suffix to the part number.

Examples:

C98 716F-18-8S
 C30 916F-18-8C