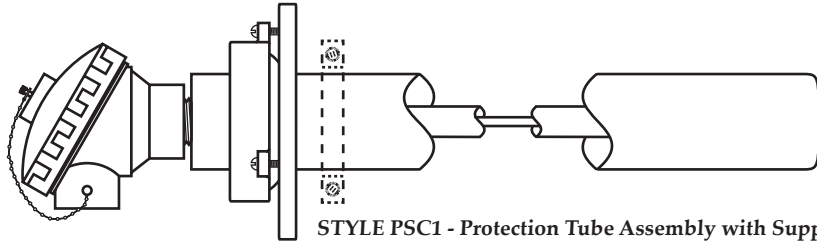


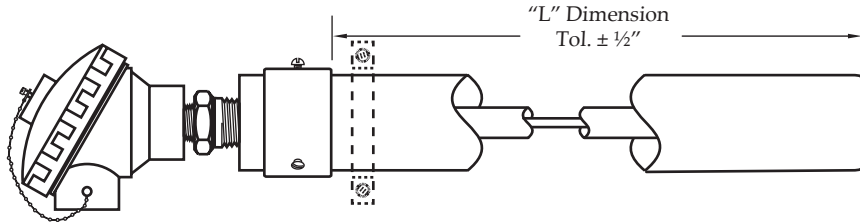
Industrial Process Thermocouples

SILICON CARBIDE PROTECTION TUBE ASSEMBLY

The PSC1 and PSC2 Style Thermocouple assemblies feature a silicon carbide protection tube along with an inner ceramic tube for additional protection of the element.



STYLE PSC1 - Protection Tube Assembly with Support Flange



STYLE PSC2 - Protection Tube Assembly with Support Collar

Table 1: Thermocouple Type

Element Type and Gauge	
Single	Dual
SR24	DR24
SS24	DS24
SB24	DB24

Table 2: Dimension

Specify in inches. See table on page 27 for codes.

Table 3: Terminal Heads

Code	Description
A	1/2" NPT Conduit, Aluminum Head
B	3/4" NPT Conduit, Aluminum Head
C	1/2" NPT Conduit, Cast Iron Head
D	3/4" NPT Conduit, Cast Iron Head
P	Specify Conduit, Grey Delrin Head
W	Specify Conduit, White Polypropylene Head
Z	Specify Conduit, Explosion Proof Aluminum Head

Table 4: Flange Option

Code	Description
0	No Flange
F	Split Flange

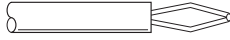
Part Number Sequence

PSC1-SR24-600-AF

PSC1	-	SR24	-	600	-	A	F
PSC1		Table 1		Table 2		Table 3	Table 4
Sensor Type & Style No.		Thermocouple Type		"L" Dimension		Terminal Head	Flange Option

Industrial Process Thermocouples

JUNCTION TYPES



EXPOSED (E)
Joined and welded wires.
Specified where fast response is required.



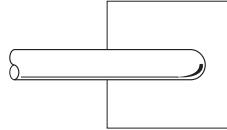
GROUNDED (G)
Junction is seal welded integrally to the sheath.
Protects wire from corrosive conditions.



UNGROUNDED (U)
Junction is electrically insulated from seal welded sheath. Design helps prevent stray EMF's.



NECKDOWN (N)
Neckdown provides faster response.
Junction can be single or dual circuit and grounded or ungrounded.



PAD (P)
Pad is designed for welding directly to boiler or process tubes for sensing skin temperatures.

SHEATH DIAMETERS

Sheath Code	T	Y	W	A	B	V	C	D	E	F	H
Sheath Diameter	.020"	.032"	.040"	.062"	.125"	.156"	.188"	.250"	.313"	.375"	.500"
Wire Gauge	38	34	33	30	24	22	20	18	16	15	11
Min Length	100'	150'	200'	400'	250'	200'	175'	100'	55'	40'	30'

PART NUMBER CODE DEFINITIONS

L Dimensions & U Dimensions				"A" Dimensions		Fractional Dimension Letter Code			
"L" and "U" dimensions are specified in whole inches and use a letter Code for the fraction. (Enter 0 when there is no fraction) Enter the three digit code per examples below:				"A" dimensions are specified in whole inches only. Enter the three digit code as follows:		1/16"	A	11/16"	L
						1/8"	B	3/4"	M
						3/16"	C	13/16"	N
						1/4"	D	7/8"	P
						5/16"	E	15/16"	R
						3/8"	F	1"	S
3"	030	10 5/8"	10K	9"	009	7/16"	G	0	No
4 1/2"	04H	12"	120	12"	012	1/2"	H	Fraction	
6 1/4"	06D	15 3/8"	15F	36"	036	9/16"	J		
7 7/8"	07P	17 3/4"	17M	144"	144	5/8"	K		
9 5/8"	09K	22 1/8"	22B						