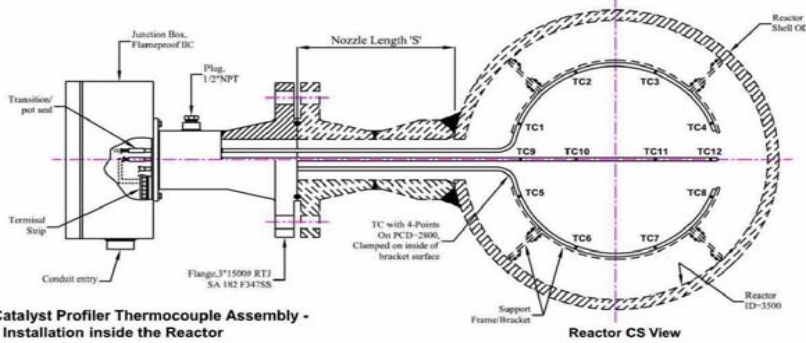


MI Thermocouple & RTD – 900 Series



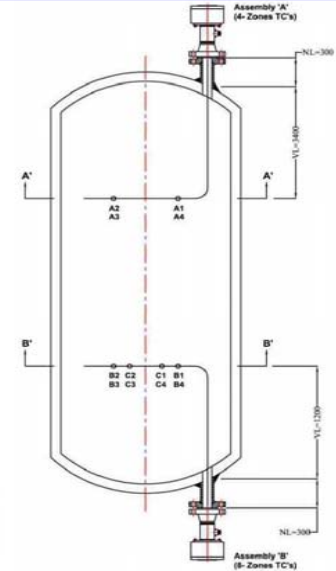
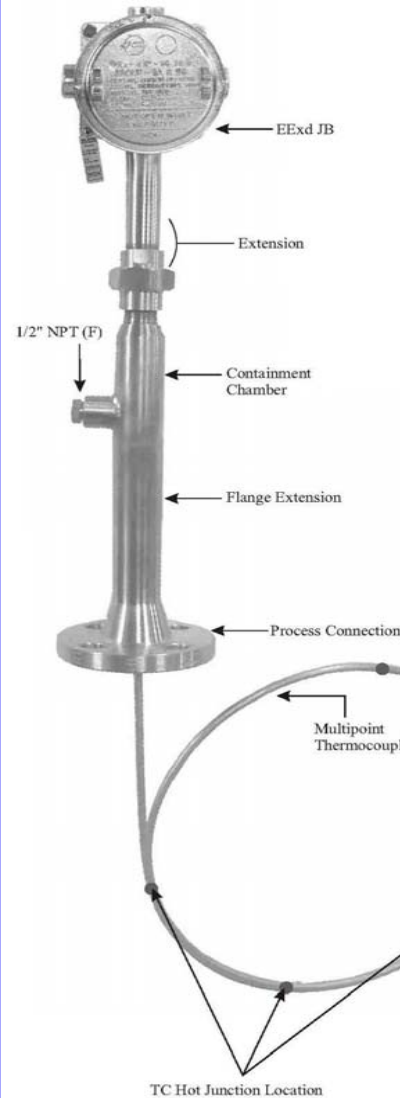
- Catalyst profiler Thermocouple Assembly triumph over regular Multipoint Thermocouple Assembly
- Catalyst profiler Multipoint Thermocouple assembly comprises of one or more mineral insulated Thermocouple cable with several hot junctions along the length.
- Assembly can be designed to provide several sensing points to measure the Temperature inside the vessel.
- Each sensing point is independent & isolated from one another & ungrounded from one another.
- Seamless sheath along the entire length ensures usage at very high operating pressures. The welded end of the sheath is checked by N2 pressure test at 100 Bar.
- Welded to mounting flange & provided with secondary containment chamber to ensure safe & reliable operation for use in high pressure vessels.
- Sensing points can be placed anywhere inside the vessel or catalyst bed, with minimum mounting hardware.
- Catalyst profiler Multipoint Thermocouple assembly can be designed for use on Retrofit vessel or on Reactor or on any other hydrocarbon storage equipment & our scope could also include design, supply, installation & commissioning of the temperature profiling system.
- Can be supplied with 2-Wire Temperature Transmitter of reputed Make with HART®, Fieldbus® or Profibus® protocol.

965# Series

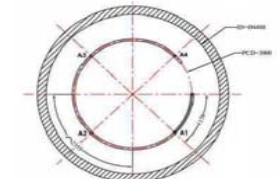
Code	No of TC Points	Code	Options
2	Two	0	None
3	Three	6	JB with Temperature Transmitter
4	Four	10	Special requirement
6	Six	Code	Extension length
9	Nine	1	Simplex
Code	Each TC Element	Code	TC Location
K	Chromel-Alumel	'U1' to 'U9'	Refer Drg or Model No.
E	Chromel-Constantan	Code	Process Connection
As per IEC 584 / ANSI MC 96.1		P	3"1500#RTJ, A182 F347
Code	Sheath diameter	Code	Secondary Seal
6.0	6.0 mm	CC	Containment Chamber
8.0	8.0 mm	X	None
9.5	9.5 mm	Code	Primary Seal
12.7	12.7 mm	PGS	Packing gland with SS Ferrule
Code	Sheath Material	PGL	Packing gland with Lava Seal
316	SS 316	W	Welded to Flange
321	SS 321	Code	No. conduit entries
347	SS 347	2	Two (1.5"NPT)
Inc 6	Inconel 600		
Code	Junction Box		
JC	Flameproof IIC		

ORDERING EXAMPLE

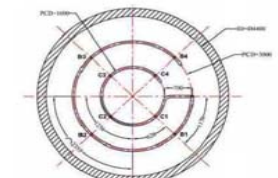
965# Series -9-1-K-9.5-347-JC-2-X-X-P-3"1500#RTJ(F347)-U1' to 'U9'-N=3M-Option 10



Reactor Elevation Showing Nozzles for Multipoint Thermocouples



Reactor Section A'-A' Showing HJ Locations A1 to A4



Reactor Section B'-B' Showing HJ Locations B1 to B4 and C1 to C4