



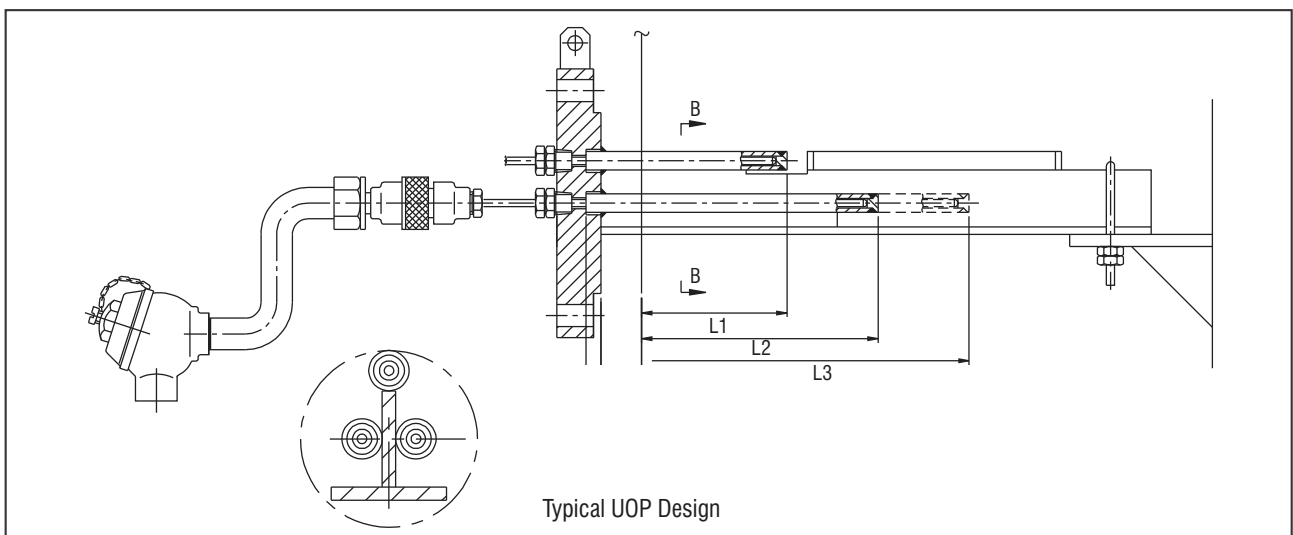
Features

- Ideal for measuring temperature at various elevations
- Fully tailormade
- Proven track record in cross section of industries
- Can be offered with practically any length
- Cost effective & overcomes space limitation
- Different thermocouples with varied MOC possible.
- Construction enables user to remove thermocouple for maintenance

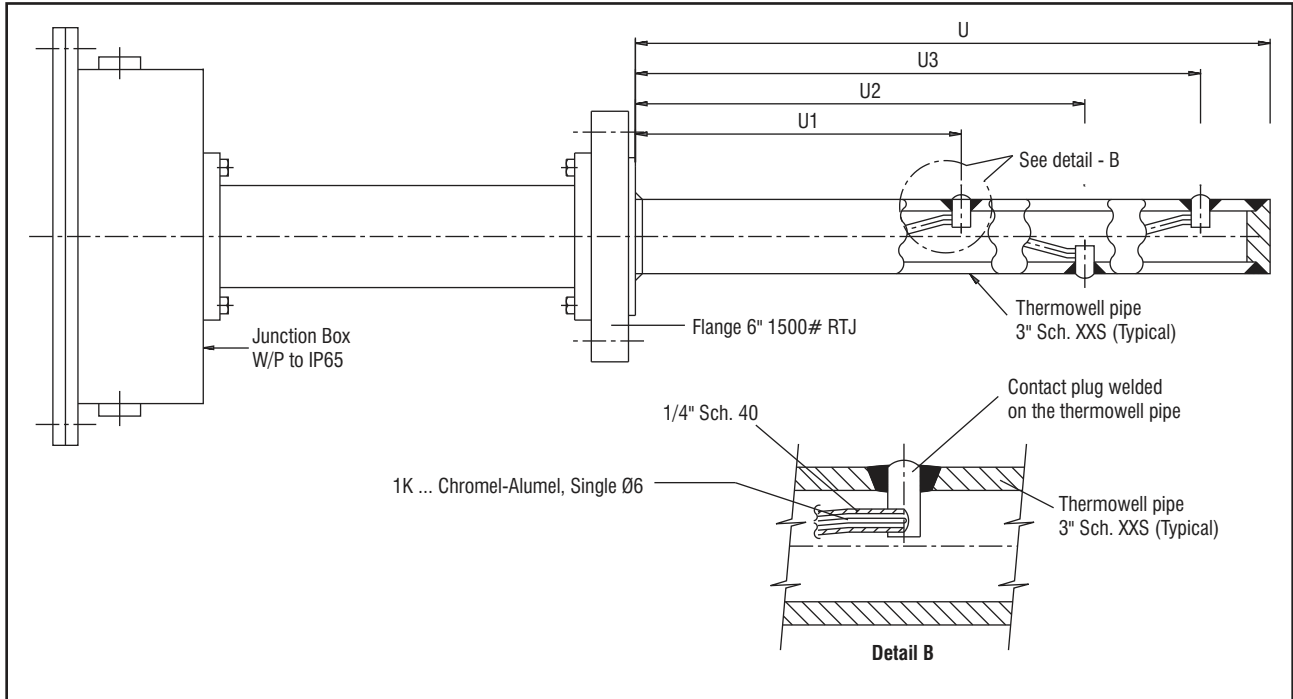
Where space limitations and cost consideration are of prime importance, multi-point thermocouple assemblies come into picture which are used for measuring and controlling temperature in a reactor having different temperature zones. Any thermocouple assembly with measuring junctions located at more than a one-immersion depth is commonly referred to as a multi-point. As the number of variations possible in multi-point assemblies is virtually limitless they are generally designed and manufactured to meet the requirements of individual applications. As different multi-point designs vary tremendously, careful consideration should be given to such variables as the positive location of measuring junctions and the ease/cost of replacement.

General with its vast experience has designed and developed several types of multipoint assemblies, which are performing satisfactorily at hundreds of installations in several parts of world. Some designs allow for replacement of individual elements while others require replacement of the entire assembly. In either case, complete shut down of the process line may not be required depending upon important design considerations. Testing of multipoint is another specialised area. Our manufacturing set-up is equipped with all latest testing equipments to perform all stringent tests.

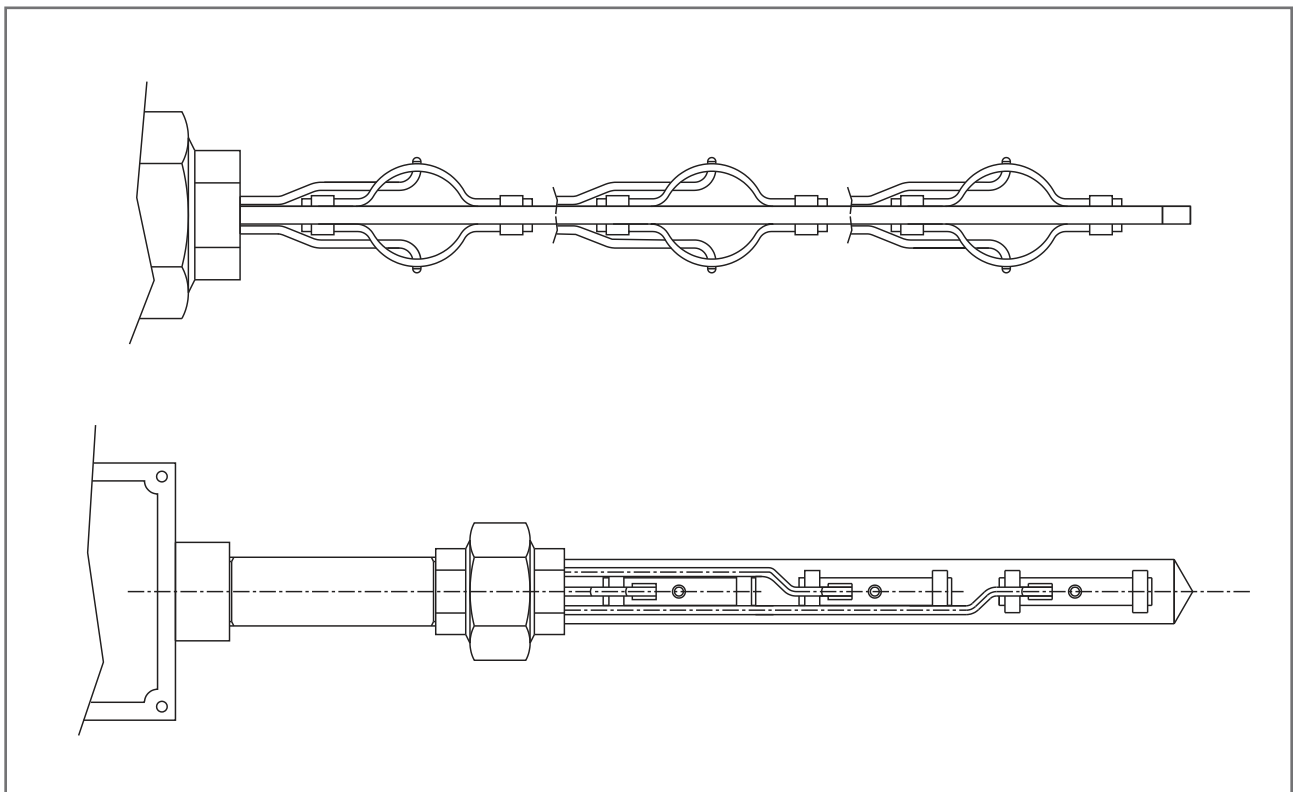
Major user industries: Refineries & Petrochemical, Oil & Gas, Chemical & Fertiliser.



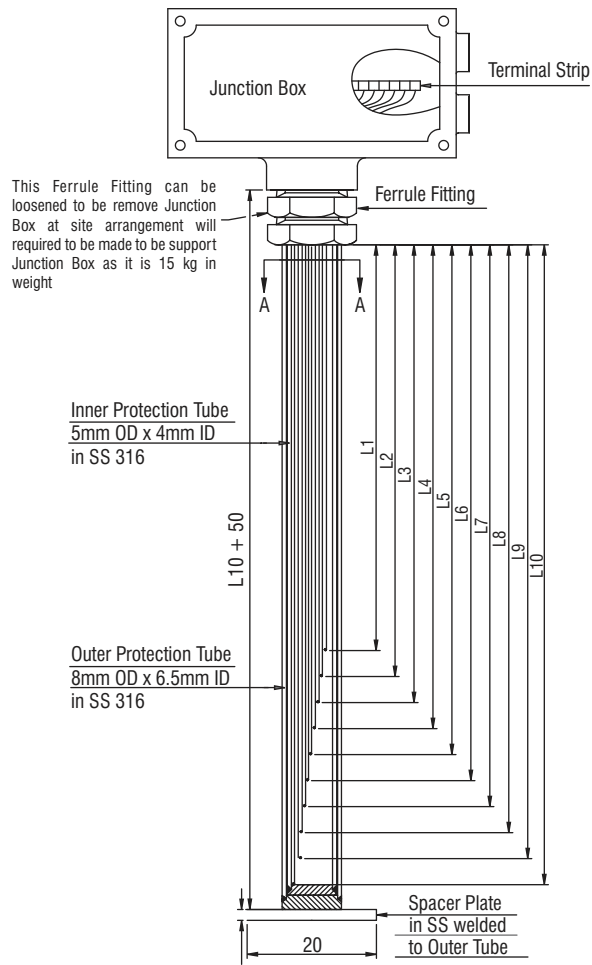
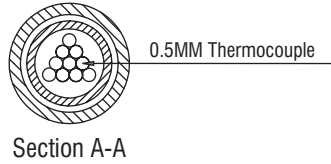
Typical Constructions



Thermocouples at various levels inserted in individual guiding tubes which in turn are welded to outer protecting tube as shown.



Spring loaded (with the help of 'S' spring or leaf spring) thermocouples located at various points mounted on a plate enclosed in a protecting tube as shown above. The springs ensure proper contact with the protecting tube. As many as 33 points assembly was supplied as import substitution for a reputed fertiliser plant.



**Miniature Multipoint
Thermocouple Assembly
with 0.5 mm OD Thermocouple**

