STEAM DISTRIBUTION AND CONDENSATE COLLECTION MANIFOLDS

A typical chemical or petro-chemical plant employs countless amounts steam supply and condensate recovery lines with huge numbers of valves and steam traps for steam tracing purposes

The modern method of manifolding is to apply all-in one compact manifold as a standard piece of equipment. The forged distribution bodies have integral piston valves providing easy isolation of your tracing lines. The steam distribution manifolds come standard with integral piston valves, enabling isolation, depressurization and maintenance to be performed safely and efficiently. In order to prevent corrosion, steam distribution manifolds are most commonly sold with a bottom drain valve.

The standard condensate collection manifolds include an internal siphon pipe to promote even temperature distribution and ensure single-phase discharge of condensate. This will also help prevent corrosion, freezing and damage to the manifold.

The compact manifold can be complemented with a mounting frame/kit or insulation for tracing applications.

When designing a new steam heat tracing system, we prefer to consider the ‘manifold to manifold’ approach and take all components into consideration. Since the performance of the heating system heavily depend on the resistance and pressure drop over the circuit, the influence and selection of components is crucial.

When designing a new plant or system we focus on:

-optimizing heat tracing circuit design

-optimization of heating performance and even temperature distribution

-reducing amount of manifold connections

-reduction of amount of steam traps

-standardize on designs and increase efficiency

-ease of installation