A double pipe heat exchanger, in its simplest form is just one pipe inside another larger pipe. One fluid flows through the inside pipe and the other flows through the annulus between the two pipes. The wall of the inner pipe is the heat transfer surface. The pipes are usually doubled back multiple times as shown in the diagram at the left, in order to make the overall unit more compact. We are also providing the fins type spiral arrangement around the inner pipe for more heat transfer. Which provide the more contact time and better heat Transfer compare to other double pipe heat exchanger.

Features:

- Best suited in applications where high thermal performance and a compact foot print is required
- Provides true counter current flow that permits temperature crossing and a close temperature approach
- Can handle wide temperature differentials without the use of an expansion joint
- Can be used when application calls for process fluids on both the shell and tube sides with temperature cross
- Ease in maintenance – Long radius U-Bend

Advantages:

- Compact Footprint
- Lower Weight
- Ease in Maintenance – Long radius U-Bends
- True Counter Current Flow for High Heat Recovery
- Eliminates Differential Thermal Expansion Concerns

Applications:

- Space restricted areas
- Viscous, abrasive fluids or where suspended solids in a flow stream
- Situations where flow induced vibration may be a problem
- High flow rate ratios between shell side and tube side fluids