

## Shell and tube type Heat Exchanger (type-1)

Working fluid	Tubes- steam, shell- Brine solution (water + glycol). Objective is heating of brine solution.
Quantity	1 nos.
Leg length of cooler u-tubes	1100 mm
Top Plate dia.	320 mm
Top Plate thickness	23 mm
Outer dia. Of cooler u-tubes	13.5 mm
Tube material	IS 1914 (Indian Standard- carbon steel seamless tubes for heat exchangers) or equivalent foreign grades
Tube wall thickness	2 mm
Thickness of baffle plates	4 mm
Number of baffle plates	5 nos.
Material of baffle plates	SS 304 (Indian Standard, austenitic high temperature stainless steel) or equivalent foreign grades

## Shell and tube type Heat Exchanger (type-2)

Working Fluid	Tubes- steam, shell- Brine solution (water + glycol). Objective is heating of brine solution.
Quantity	1 nos.
Leg length of cooler u-tubes	1270 mm
Outer dia. Of cooler u-tubes	12.5 mm
Top Plate dia.	320 mm
Top Plate thickness	23 mm
Tube material	IS 1914 (Indian Standard- carbon steel seamless tubes for heat exchangers) or equivalent foreign grades
Tube wall thickness	2 mm
Thickness of baffle plates	4 mm
Number of baffle plates	5 nos.
Material of baffle plates	SS 304 (Indian Standard, austenitic high temperature stainless steel) or equivalent foreign grades

### Note

The vendor must visit Block-2 Bay-9 LEM VPI Plant to take any extra measurements if required. The above details are indicative only and shall be verified by the vendor after purchase order for finalizing all dimensions. These details aptly serve the purpose of making the vendor able to give budgetary offer.

The vendor must provide material test certificates during delivery. The vendor will be required to perform leakage test of the heat exchanger at our facility.