

Sr. No	Description	Qty
01	Glass Lined Condensers (Area: 5m <sup>2</sup> Each)  (Specification Sheet attached at page-2)	02

## General

- Heat transfer area 5 m<sup>2</sup>
- Type Shell and Tube
- Glass Lining Standard Blue (2mm thickness)
- Compatibility Glass lining should be compatible with all acids, alkalis especially with HCl and H<sub>3</sub>PO<sub>3</sub>

## Shell Side:

- Medium / Gas Process Vapor
- Temperature Range 40-70°C
- Glass Lining Inside Shell, Standard Blue (2mm thickness)
- Shell Material SS304
- End Connections Flanged, ASME B16.5 Class150
- Nozzle Sizes 100mm (vapor inlet) and 40mm (liquid outlet)
- Test Pressure 3 bar

## Tube Side

- Fluid Cooling Water ( 10-35°C)  
Chilled Air (-10 to 10°C)
- End Connections Flanged, ASME B16.5 Class150
- Nozzle sizes 65 mm for both inlet and outlet
- Test Pressure 5 bar
- Glass lining Tube Outside, Standard Blue (2mm thickness)
- Base Material of tubes SS 304
- No of tubes To be specified by Supplier
- Tube Length Preferably 1-meter ( Other also acceptable )

## Documents

- Offers shall include technical literature, drawings, operational, installation and maintenance manual
  - Pre-shipment inspection will be carried at supplier's premises for the following, document testing, standard conformance, Area conformance, hydraulic test and glass thickness test.
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