

Jonam offers Shell and Tube Heat Exchangers with Smooth Tube and Augmented Tube through its fixed sized ranges and customized ranges of heat exchangers for applications such as pre-heaters, hot water generators, condensers, re-boilers. The heat exchangers are designed on the basis of our extensive thermal and mechanical experience acquired over the period of time through successful installation of units.

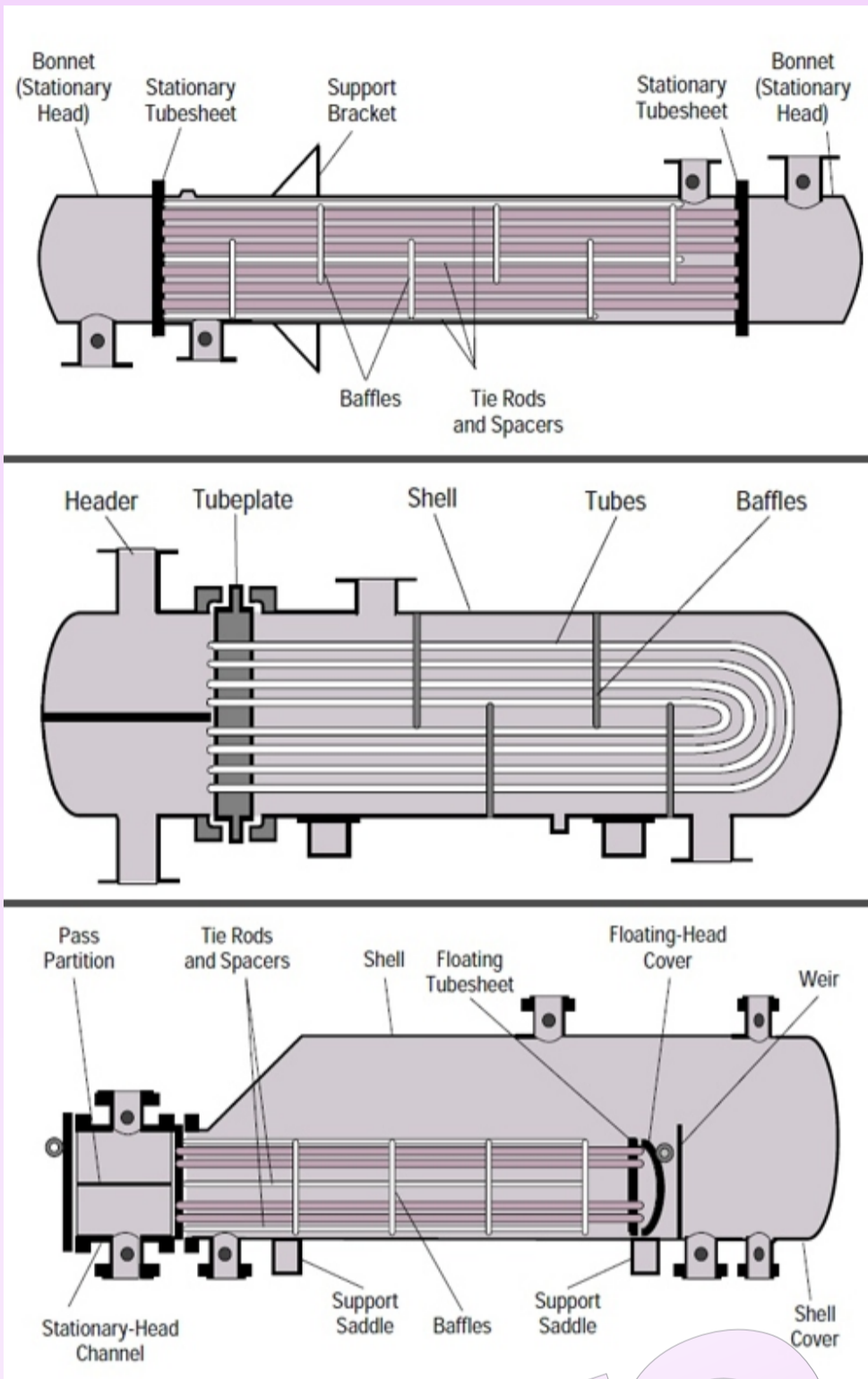
Main Features

Jonam can perform the thermal and mechanical designs for heat exchangers applications such as Condensers, Chiller, Cooler, Re-boilers (Thermo-siphon and Forced circulation) and Pre-heaters. The heat exchangers are designed for both the thermal and mechanical consideration and integration between these two aspects the design, be it tube sheet layout or baffle spacing and selection, Jonam has the expertise to apply the knowledge to design the heat exchanger optimally and in entirety.

The heat exchanger design does not end at providing sufficient heat transfer area for the given duty but to consider the design configuration in totality in the aspects of Impingement plates, Bellow requirements, Gasket selection and arrangement and also the suitability of the tube to tube sheet joint for the application. The heat exchanger are designed as per GEP, TEMA, ASME, B S5500 etc and as per PED / CE.

Pre-Engineered Heat Exchanger :

Jonam has engineered heat exchangers to meet the needs of the customer With high level of standardization Jonam has ready in stock semi finished components of heat exchanger such as Tubes, Plates and Flange. A comprehensive inventory of pre-engineered and stock ed components ensures timely product delivery. The heat exchanger can be assembled in the quickest possible time to meet the customer requirement. The heat exchanger are standardized to pass all the international standards and designs. The Standard model range includes the BEM-fixed tube sheet and BEU- Removable tube bundle and the BEU- U tube heat exchanger. Jonam offers standard range of heat exchangers from 1 m² to 120 m² in single and multi-pass configuration in SS 304 L and 316 L material of construction



Diameter (mm)	Lengths (mm)	Heat Transfer Area	MOC
80 NB to 300 NB	750,1000,1500,2000,3000,4500,6000	1m ² to 120 m ²	SS304,SS304L,SS316,SS316L

Customized Heat Exchanger :

Customized range heat exchangers are designed and manufactured to suit the specific requirement of the enduser based on the thermal heat duty requirement and the specification of the heat exchangers. For the Pharmaceutical Industry the heat exc hanger can be designed as per GMP standard with polished internal surfaces .For Petrochemical industry bas ed on the API and TEMA standard etc. The heat exchangerc an be manufactured from size 80 NB to 1200 mm OD and up to 6000mm long.

Type of Duty	Applications	Industry
Liquid - Liquid	Preheating, Heating, Cooling and Heat Recovery	Petrochemicals, Refinery, Steel Making, Textile, Pulp and Paper, Metal / Ore Processing, Waste Water Treatment, Veg. Oil Refining, Compressor, Pharmaceutical , Distillery and Fruit Processing.
Vapor -Liquid	Process Condensers , Reflux Condensers , Vacuum Condensers, Vent Condensers, Reboilers, Gas Coolers	
Vapor	Air Coolers, Steam Condensers	