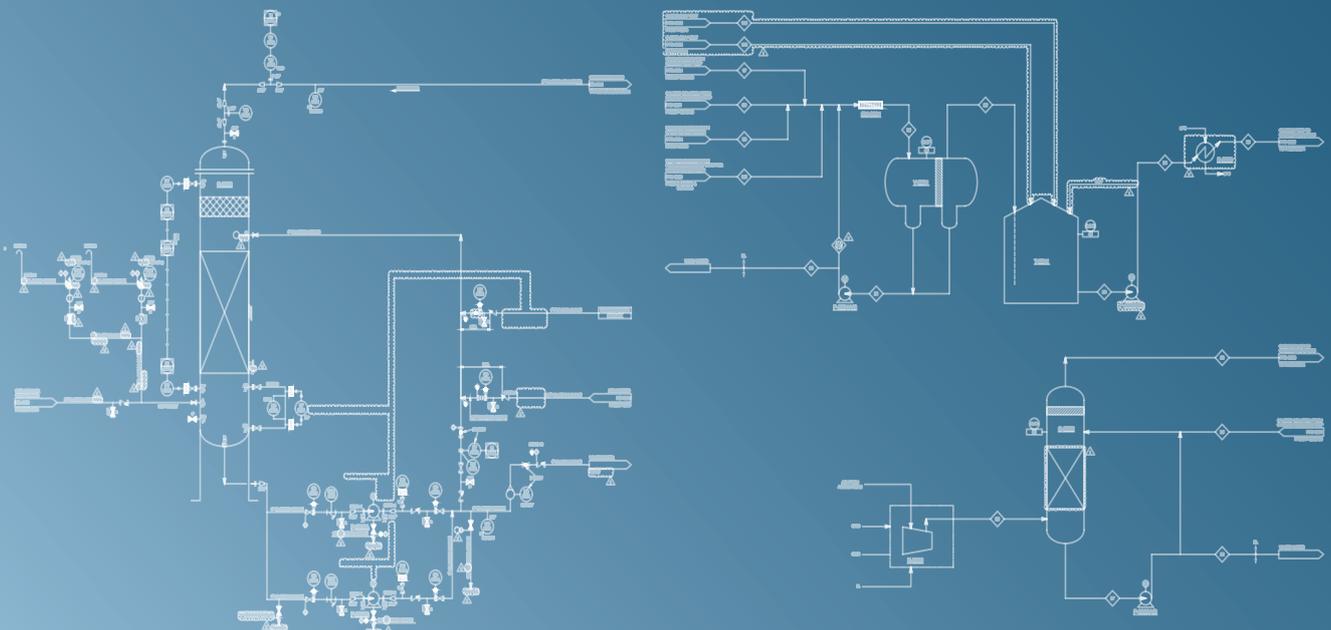
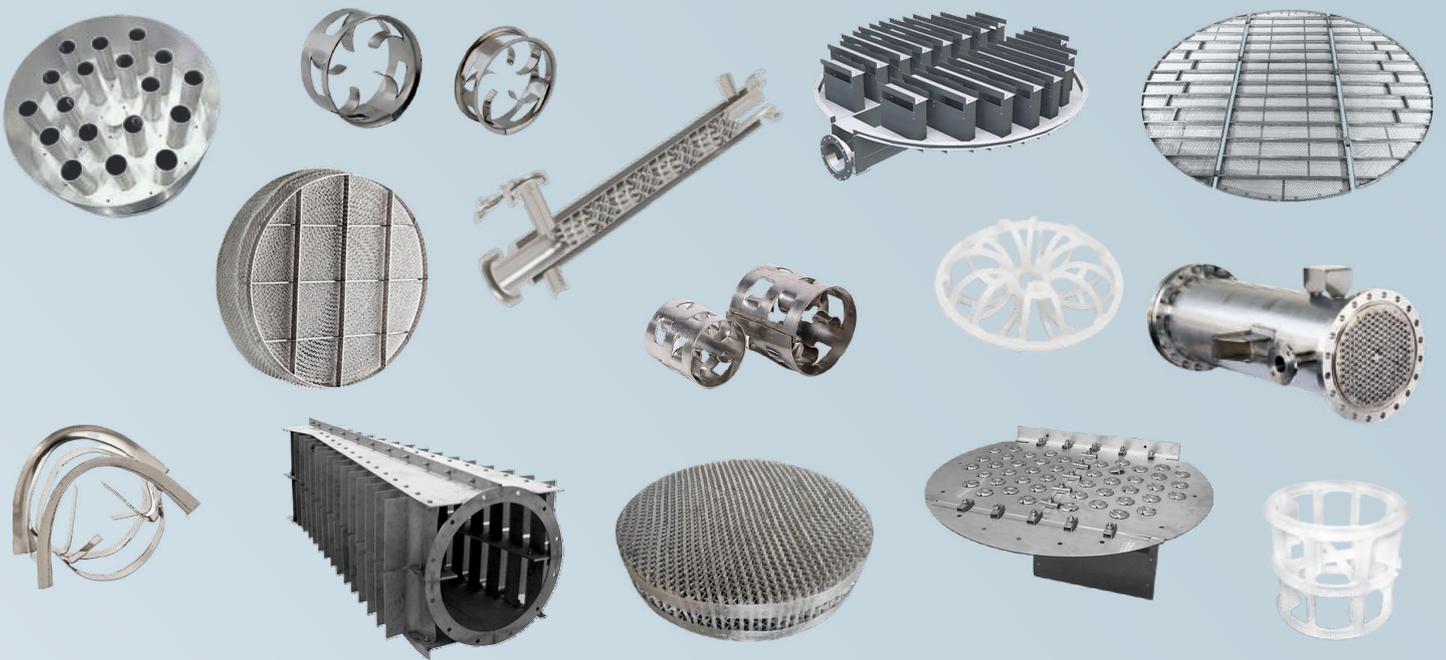




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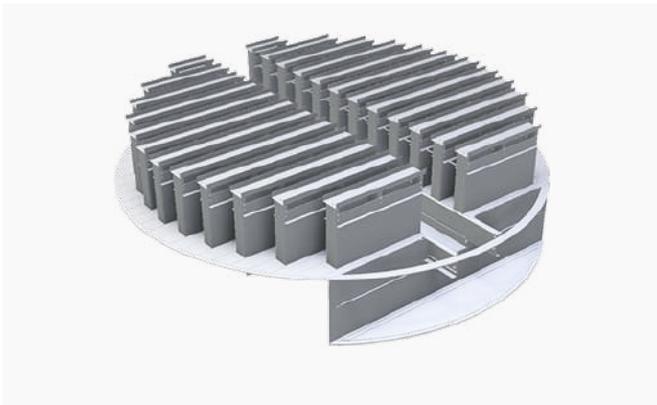


Liquid Collector

This type of liquid collector is used in towers that are greater than 800 mm ID and that process high vapor loads and low liquid loads. The size of the sump varies, depending on the hydraulic needs of each application. The collector has 50% open area in small towers and 80% in larger towers.



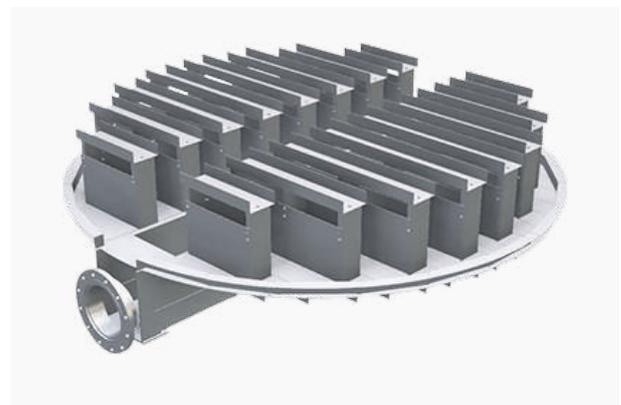
Trough Liquid Collector



This type of liquid collector is used for a wide variety of applications in towers greater than 1400 mm ID. The center sump is usually sealed to a seat at only one end, where the liquid is drawn from the tower, which frees the opposite end to expand or contract. The collector has 25 to 40 % open area depending on the tower sump size.

Deck Liquid Collector

This is a versatile type of collector used in towers of all sizes. Tall risers can be provided to allow a large volume of liquid on the deck. Sumps can be added on one side, both sides or across the center. This collector has 25 to 40% open area depending on the needs of the application.



Bubble Cap Tray

The bubble cap tray is designed for efficient separation and vapor-liquid contact in distillation columns. The bubble caps that are present, facilitate the rise of vapor bubbles through the liquid, promoting enhanced mass transfer. This tray achieves its purification and separation precisely.



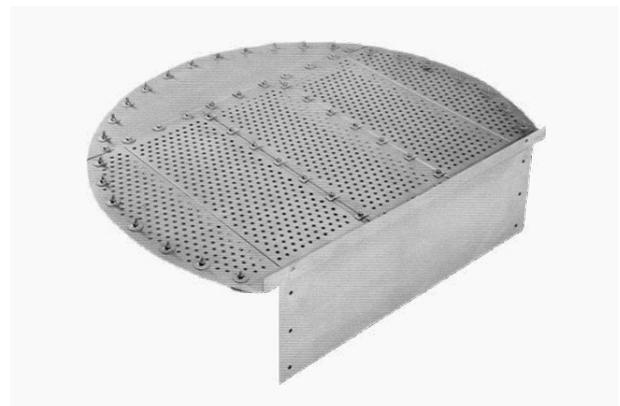
Valve Tray



The valve tray has an effective efficiency in distillation processes, with its valve design, it facilitates controlled vapor-liquid contact, ensuring precise separation and enhanced mass transfer in distillation columns.

Sieve Tray

The sieve tray has optimal performance in distillation processes because of the sieve openings. This tray facilitates efficient vapor-liquid contact, promoting enhanced mass transfer and separation in distillation columns.



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