

Column Tray-Disc and Donut Tray**Product Coding**
P1203.....**Introduction**

Disk and donut trays are type of baffle trays located inside a column. Liquid and vapor are brought in to direct contact by forcing vapor through falling liquid. Tray decks are slightly sloped that allow the liquid to splash from inner circle ring to outer circle ring. These types of trays offer a higher capacity and lower pressure drop compared with conventional sieve and valve trays. In contrast, the contacting efficiency in this type is much lower. They have extremely high open area, which makes them suitable for dirty services and heavy fouling applications.

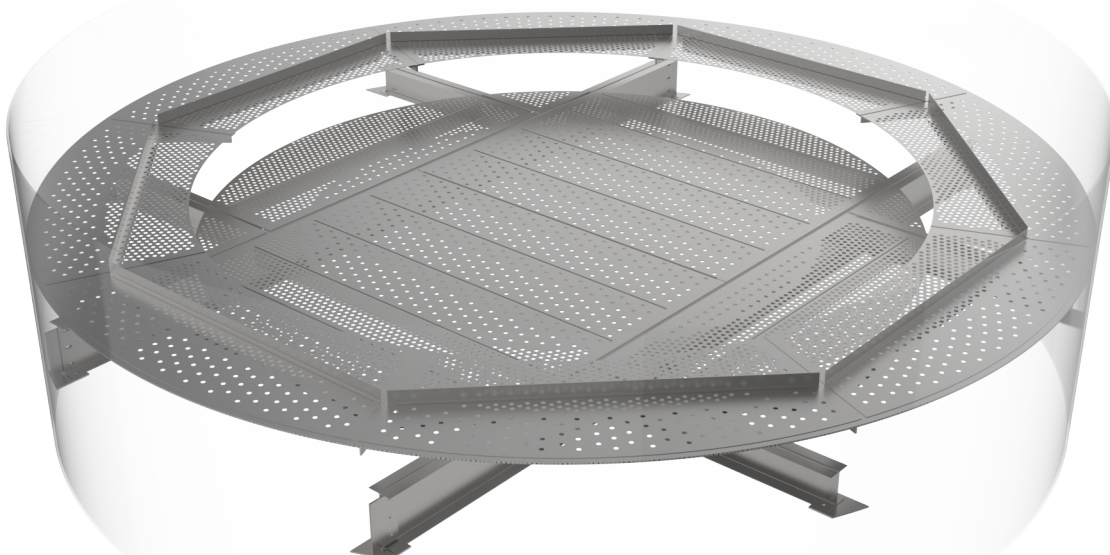
Features

- **Simple and robust design:** Minimal moving parts for easy installation and maintenance
- **High turndown capability:** Performs efficiently under variable vapor and liquid loads

- **Effective liquid distribution:** Alternating tray geometry ensures even liquid flow and mixing
- **Low pressure drop:** Open design promotes smooth vapor passage with minimal resistance
- **Material options:** Available in carbon steel, stainless steel, or special alloys for corrosive environments

Applications

- Distillation columns for refining and petrochemicals
- Absorber and stripper towers
- Gas dehydration and sweetening units
- Solvent recovery systems
- Chemical and fertilizer production plants
- Excellent structural integrity across the enormous diameters



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