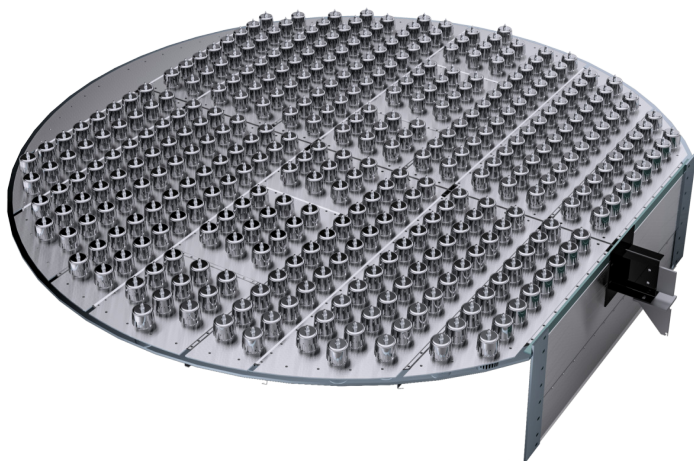


Column Tray-Bubble Cap Tray
Product Coding
P11050.....
Introduction

Bubble cap tray is a perforated plate with risers and inverted caps that guide vapor through slots, causing it to bubble through the liquid on the tray. The liquid level, typically equal to the weir or riser height, allows for excellent gas/liquid contact, though with higher pressure drop and lower capacity compared to other tray, making it suitable for reaction or high contact applications.


Applications

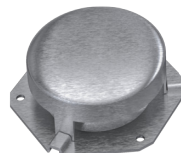
- Crude oil distillation
- Where leakage needs to be minimized
- Ethylene oxidation and absorption
- Foaming services
- Low liquid or gas rate services


Bubble Cap A4

Product Coding: P11050201X


Bubble Cap B4

Product Coding: P11050601X


Bubble Cap O3

Product Coding: P11050501X


Bubble Cap S3

Product Coding: P11050401X


Bubble Cap V6

Product Coding: P11050101X

Features

- Lower capacity than valve or sieve trays (10-20%)
- Higher pressure drop than a sieve tray
- High cost approx. 2-3 times that for sieve trays
- Very high turndown ratio (can handle very low liquid rates)
- High fouling tendency
- Suitable for low liquid loads


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