

Column Tray-Moving Valve Tray with Cage**Product Coding**
P1104.....**Introduction**

Moving valve trays with cage are engineered to provide controlled and stable valve operation within distillation and absorption towers. In this design, the valve disc operates inside a precisely formed cage mounted on the tray deck, ensuring guided vertical movement and preventing lateral displacement under demanding flow conditions. This structure enhances operational reliability, improves mass-transfer efficiency, and extends the service life of the valve assembly in challenging environments.

Applications

- Refinery columns with feed variations
- Servicing of auxiliary equipment necessitates operating the entire unit at low rates
- Revamps to increase capacity or flexibility

Features

- High strength cage structure
- Superior performance in unstable or fluctuating operating conditions
- Minimizes mechanical stress on valve components and reduces leg fatigue
- Compatible with Venturi style tray openings and customized cut patterns
- Cage configuration tailored to specific process requirements and service conditions
- Enhanced operational stability at high vapor rates and wide turndown ranges
- Improved liquid and vapor distribution for higher tray efficiency



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