

Column Tray-Moving Valve Tray without Cage
Product Coding
P1103.....
Introduction

Moving valve trays consist of perforated tray decks with movable valve discs. These discs are either equipped with integrated legs or enclosed in cages that restrict vertical movement. At low vapor rates, the valves remain closed against the tray, minimizing open area and preventing weeping. As vapor flow increases, the valves lift to allow more flow, adapting dynamically to the load.


Features

- Low pressure drop
- Up to 10% higher capacity than sieve tray
- Excellent efficiency
- Wide operating turndown ration up to 10:1
- Cost effective
- Uniform vapor distribution
- Moderate entrainment at high vapor rates

Applications

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


HDV

Heavy Dyna Valve

Product Coding: P110316XXX


HCV

Heavy Circular Valve

Product Coding: P110322XXX


LDV

Light Dyna Valve

Product Coding: P110317XXX


LCV

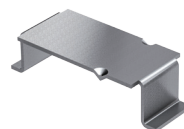
Light Circular Valve

Product Coding: P110322XXX


MDV

Mini Dyna Valve

Product Coding: P110319XXX


HRV

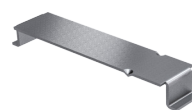
Heavy Rectangular Valve

Product Coding: P110320XXX


HCV

High Capacity Valve

Product Coding: P110322XXX


LRV

Large Rectangular Valve

Product Coding: P110321XXX


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