

Mixed Phase Distributor-Flash Chamber**Product Coding**
P180101...**Introduction**

Flash chamber is a specialized mixed phase feed device designed to handle flashing liquid feeds entering a distillation or absorption tower through a radial inlet connection. Within the chamber, the feed is centrifuged, causing rapid and effective separation of phases: vapor is directed upward, while the liquid phase exits downward to a distributor or pre-distributor installed below.

This device is typically used as a standalone feed redistributor. The separated liquid may fall directly onto the distributor below or into a predistributor for further flow stabilization prior to entering the packed bed.

The device is recommended for towers up to 1200 mm internal diameter for most mixed phase feed services and is capable of handling all liquid-to-vapor ratios. For larger diameter towers, this device may also be applied when operating flow rates are suitable.

Features

- Efficient two phase separation by centrifugal action
- Upward gas and downward liquid flow path design
- Wide liquid-to-vapor ratio handling capability

Applications

- Distillation and separation towers
- Refining
- Petrochemical and chemical processing
- Condensate stabilization



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