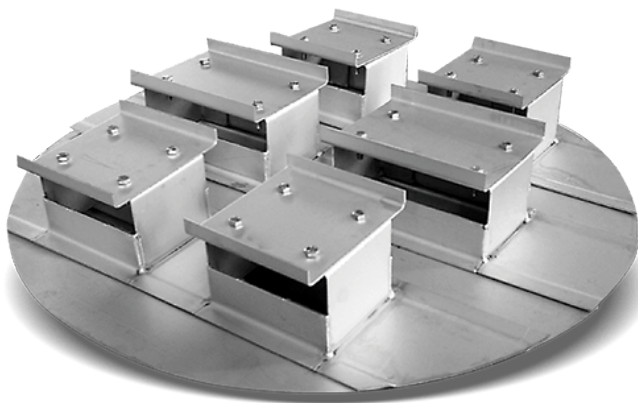


Total Draw Off

Introduction

Total draw off is a tower internal collector used to completely remove liquid from a specific tray or section of a distillation, absorption, or stripping column. Unlike partial draw systems, which withdraw a controlled side stream while maintaining liquid on the tray, a total draw off removes 100% of the liquid inventory exiting that stage.



Applications

- Oil and gas refineries column
- Distillation towers
- Absorption and stripping towers
- Solvent recovery systems
- Heavy and light hydrocarbons

Chimney Type

- Wide variety of applications
- Recommended in towers larger than 1000 mm diameter
- Offered in two chimney type: rectangular channel and pipe riser, with different hat type

Features

- **Complete liquid removal:** Withdraws 100% of tray liquid, ideal for side product recovery or process flows requiring precise separation.
- **Stable hydraulic operation:** Prevents liquid accumulation on the tray and maintains accurate tray performance.
- **Low vapor entrainment:** Anti vortex features ensure clean liquid draw without gas carry-under.
- **Wide operating range:** Functions reliably under varying flowrates and composition changes.
- **Easy integration:** Connects seamlessly with external pump-around or product systems.
- **High reliability:** Simple, open construction minimizes fouling and plugging risks.
- **Customizable geometry:** Sump depth, nozzle size, and orientation are tailored to tower conditions.

