

Liquid Distributor-Multi Flow Type

Product Coding
P180101XXX

Introduction

Multi flow distributor is an advanced liquid distribution device used in packed towers to deliver highly uniform, multiple point liquid irrigation across the entire column cross section.

Unlike single path distributors (such as simple trays or single troughs), the multi flow distributor divides the incoming liquid into several parallel and balanced flow paths, each supplying a network of distribution points. This ensures excellent liquid spreading, superior wetting efficiency, and stable hydraulic performance, even at high flow rates and large tower diameters.

Multi flow distributors are specifically engineered for large diameter columns, high liquid loads, and applications requiring very low maldistribution, such as high efficiency mass transfer operations.

Features

- Excellent distribution
- High turndown capability (1:10)
- High hydraulic capacity
- High mechanical strength
- Low pressure drop for vapor flow
- Scalable for large diameter towers
- Insensitive to sedimenting contaminants

Applications

- Packed towers
- Scrubbers and absorbers
- High capacity absorption and stripping columns
- Distribution of liquids with viscosity, e.g. 700 cP

