

DESIGN AND APPLICATION CONSIDERATIONS FOR JAEGER INTERNALS SELECTION

Jaeger Products offers a wide variety of internals for a given function. The selection among different types of internals (i.e., liquid distributors) is made based on the characteristics of the application. Some internals operate better at high loads, some at low. Some exhibit better turn-down than others. The following list summarizes the points to be considered in the selection of the proper internal.

Liquid Distributors

- tower diameter
- pourpoint density
- geometric coverage
- turndown
- presence of solids
- pressure drop
- liquid pressure
- liquid condition
- entrainment
- type and size of packing
- feed inlets
- space to top of packing
- material selection

Packing Supports

- tower diameter
- pressure drop and capacity
- packing type and size
- combinations with collector/redistributors
- load limitations
- material selection

Mist Eliminators

- efficiency/capacity
- presence of solids
- gas velocity and properties
- pressure drop
- liquid load
- mist size and properties

Liquid Collector/Redistributors

- same as for liquid distributors
- total and effective mixing
- gas redistribution

Gas Distributors

- column size
- inlet nozzle design
- available pressure drop
- turndown
- space availability
- material selection