

Montz Structured Packings

Synonymous for quality in the field of thermal fractionating

Structured packings are characterised by a very efficient technique and a versatile range of applications. The packings offer a high separation efficiency, good wettability and a low pressure drop and can be exactly adapted to the respective fractionation problem. They are used in the fields of distillation, absorption and liquid-liquid extraction.



The special features of Montz packings include: the variable geometric dimensions and the choice of different surface structures. This flexible concept allows the solution of any problem in the field of fractionation.

The packing types A3, B1, BSH, C1 and M feature a very special structure: these packings represent an assembly of corrugated lamellae.

The waves are inclined towards the vertical and together with the adjacent lamellae they form intersecting flow ducts. This packing structure results in large interfacial areas and an intimate contact between the gas and liquid phase.

An exact adaptation to the respective requirements is ensured by special internals such as: liquid distributors, flash equipment, liquid collector trays and vapour distributors. All these internals are carefully adapted to the packings and to the problem to be solved and are subject to a permanent quality control.



▶ Packing element of Montz-Pak Type BSH-400 with wall wipers

▼ New generation of structured packings: Montz-Pak Type M



These internals include:

- exactly operating liquid distributors
- low pressure drop collectors for the liquid phase
- uniformly operating vapour and gas distributors
- wall wipers to avoid bypass flows and compensate manufacturing tolerances
- flash equipment for an overheated feed
- support systems with large net free areas

A basic requirement for the high efficiency of Montz structured packings is their precise manufacturing.

The packings are manufactured on computer-controlled lines to ensure maximum accuracy and mechanical stability.

The high accuracy of fit and stability of Montz products are essential criteria for an economic and problem-free installation of the packings in existing or newly built columns.

All Montz packings are manufactured in segments and are mounted through manholes or shell flanges.