

Dividing wall columns

Separation technology takes off

The unfixed dividing wall has proved to be very advantageous and versatile. The patent pending design (cooperation agreement with BASF AG) offers significant advantages over fixed, welded-in walls.

Advantages of the unfixed dividing wall

- Insensitive to poor manufacturing tolerances of the column shell
- Fewer manholes and lower weight
- Faster and more precise assembly and installation of internals
- Minimised welding
- Simple and low-cost revamping of conventional columns to dividing wall technology
- The dividing wall can be removed during revamping and inspections

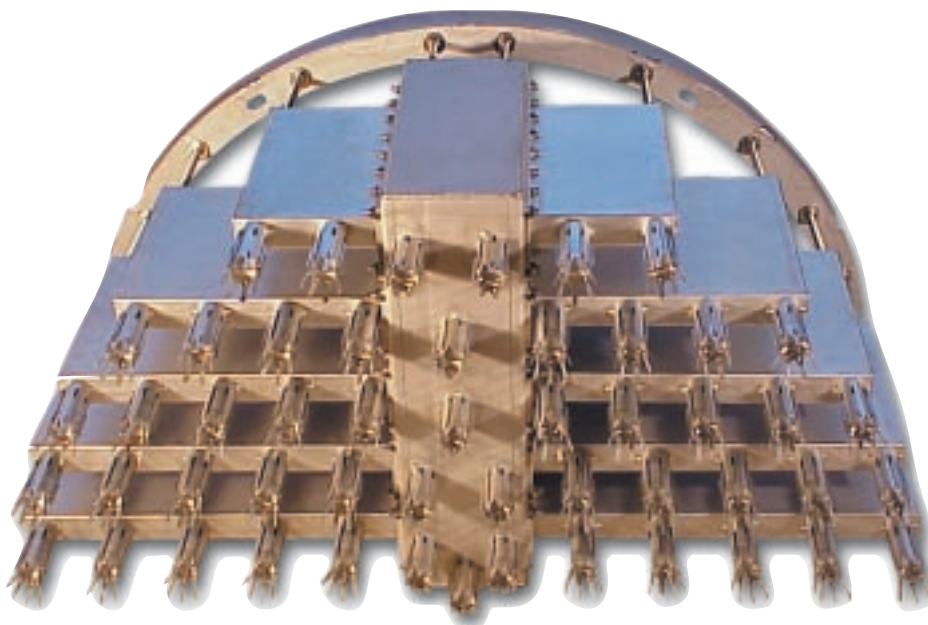
Possible problems such as eccentric arrangement of the dividing wall during welding, irregularities in the wall after welding, liquid wall bypass and installation difficulties, are avoided.

Internals for the dividing wall column

Montz have significantly improved the planning and operational reliability of the columns, particularly in the field of the internals for the dividing wall sections, by adapting the proven

delivery program of structured packings over the past years. Thus, all Montz packings have a patented wall wiper system that offer a self-adjusting and centering of the

packing layers, minimised liquid wall bypass and thus an improved separation efficiency in conjunction with the unfixed dividing wall. Wire mesh packings of the type A3-500 and metal sheet packings in a standard design as well as Type M high-performance packings are in successful operation. Adapted liquid collection and distribution systems completes off the range of internals.



◀ Type S liquid distributor for dividing wall columns



