

Method for arranging packing elements in a heat and mass transfer apparatus, in which packing elements with longitudinal channels are used and arranged in a vertical position in horizontal layers, with adjacent packing elements in each horizontal layer in contact with one another. Then, longitudinal inserts are placed between the packing elements within the horizontal layer. The packing elements are placed in line within the horizontal layer, and each longitudinal insert - which has a cross-section in a shape of an eight-point star with alternating long and short arms,- is placed between four adjacent packing elements in contact with them, each of them has an outer shell in the form of eight identical open straight cylindrical shells inscribed in a hypothetical straight circular cylinder, uniformly spaced in the circumferential direction, and connected to one another at every other edge by their edges, with a cross-section in the form of the convex part of a rectangular oval. Wherein, inside the outer shell, an inner shell is coaxially arranged in the form of a straight circular annular cylinder with open ends and mutually perpendicular internal longitudinal partitions, the longitudinal edges of which are located at the junctions between the unclosed straight cylindrical shells comprising the outer shell.