

Method for arranging nozzle elements in a heat and mass exchange device includes nozzle elements with longitudinal channels taken and arranged in a vertical position in horizontal layers, with adjacent elements in each layer in contact with one another. After the nozzle elements have been arranged within the horizontal layer of the heat and mass transfer device contact section, longitudinal inserts are placed between them. The nozzle elements within the horizontal layer of the heat and mass exchange device contact section are arranged in-line. The longitudinal inserts are cross-shaped and positioned so that their arms pass through the longitudinal axes of adjacent nozzle elements, each of which has an outer shell in the form of four identical open shells, each in the shape of a sector of a straight circular ring cylinder, inscribed in a straight circular cylinder, evenly spaced in the circumferential direction, parallel to one another, and connected to one another by their edges. At least one inner shell of similar shape is arranged coaxially inside the outer shell. In this design, all the shells of each nozzle element are connected to one another by radial longitudinal baffles.