

A method for generation of the combined jet of the foam involves supplying the directed jet of the foam-generating solution to the foam-generating grid under the pressure to obtain the single foam jet. The jet of the foam-generating solution is supplied to the foam-generating grid under the pressure of 0.05 MPa. Concurrently, the non-flammable gas is supplied to the foam-generating grid at a rate of 0.5 m/s using gas-compressing devices to generate the mixed foam jet. A device for jet generation contains the housing with installed jet-generation appliance and the foam-generating grid, the supplying and fitting pipes, the sprayers for the directed jet of the foam-generating solution, gas-supplying appliances, the device for re-distribution of the density of the flow of foam-generating solution and the flow of the non-flammable gas, and the grid for generating the single foam jet within the housing or outside the housing. The inlet to outlet diameter ratio for the openings in the housing is within the range of 0.25 to 4.0. The ratio between the diameter of the foam-generating grid and the distance between the foam-generating grid and the device for generating the jet of the foam-generating solution is within the range of 0.2-2.0. The distance from the foam-generating grid to the outlet is more than zero. The unit for the generation of the combined foam jet comprises the devices for the formation of the foam jet with various expansion ratio of the foaming and various distance of jet delivery. One or several devices for generation of the combined jet of the foam are installed.