

A device for producing gas-mechanical foam comprises a cylindrical casing with canals supplying the aqueous solution of the foaming agent and the compressed gas, a foam-generating grid, a sprayer, and a splitter of the flows of the aqueous solution of the foaming agent and the compressed gas. The splitter of the flows is placed between the canals before the mesh. The splitter of the flows and the foam-generating grid are designed as the hollow truncated cones. The sprayer represents the spring-loaded valve mounted in the outlet of the splitter of the flows. The canal supplying the compressed gas is located between the splitter of the flows and the grid. The device is equipped with additional the foam-generating grid designed as a hollow truncated cone with its lesser base attached to the locking element of the valve. The bigger base of the cone is disposed within the cylindrical casing with the circular gap remaining between them.