

Active flow nozzle consists of a convergent, a flow-through and a diffuser supersonic sections. The diffuser supersonic section has a profiled surface of a parabolic shape, the geometry of which is described by the formula $r_i = 1073 \cdot x_i^2 - 4$, where r_i is the current value of the radius, and x_i is the current value of the axial coordinate of the diffuser supersonic section of the nozzle.