

The combined jet propulsion engine comprises a housing where air intake is placed, with streamlined movable valve; behind it there is combustion chamber, this has nozzles for fuel and oxidizer and has at the end a nozzle with varying cross section, this changes in accordance with the position of the valve having streamlined shape, this can move along the axis of the engine. In the air intake there is installed a gas-distribution mechanism, it makes it possible for the engine to operate in two main modes: the direct flow one and the liquid one.