Invention relates to liquid aerosol generators that can be used to create water curtains, precipitate smoke, and extinguish fires with finely atomized extinguishing liquid. Aerosol generator comprises nozzles and a pulsed shock wave generator containing a detonation tube. According to invention, the nozzles are arranged in a circle at the open end of the detonation tube, on the outside of the tube. Wherein, the axes of the nozzle orifices are directed toward the exit of the detonation products from the detonation tube at an angle of 0 to 45 degrees relative to the axis of the tube. Invention provides a significant increase in the intensity of the shock wave acting on the liquid and removes limitations on the expansion of the shock wave and the propagation of detonation products. This ensures an increase in the generator's performance, an improvement in its energy efficiency, and a reduction in the size of droplets in the aerosol.