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IMPROVED RANGE OF ANTI-RIOT SEDATIVE GAS FACILITIES FOR ADDRESS-LOCAL SUPPLYING

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The method for increasing the range of the anti-riot facilities used for the address-local supply of irritants in the mass-riot zone is offered. The method is based on forming the gas or aerosol turbulent vortex rings (TVRs) moving in series, which are characterized by a higher range as compared to the flooded streams and substantially less losses in irritants during its supply. The structural arrangement of the vortex rings generator (VRG) is proposed. The methodic basics are developed for calculating the basic project and structural parameters of the VRG, which ensures the generation of TVRs with the characteristics to promote the efficient and safe applications of the irritants in the mass-riot zone while resolving the problems for preventing the negative tendencies in its development.

Keywords: *mass riot, crowd, negative phenomena, irritant, turbulent vortex ring, generator of vortex rings, effectiveness, safety.*

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