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“TAJFUN-F” THE SMALLEST LIQUID FUELLED ROCKET MISSILE OF WWII

Abstract

The German Rocket Development Center Pennemunde in the WWII is the born place of the biggest in most sophisticated liquid fueled rocket to this time A4-V2 and the smallest in extreme simplified liquid fueled rocket missile Tajfun F for mass production.

This paper discussed the design, development and evolution the TAJFUN F concept at the end of WWII and after in the other countries. Tajfun F (F-liquid germ.) version of unguided air defense missile is originated of the last part of the WWII. The design concept of Tajfun F is later very well known as the pre-packaged liquid rocket system. At this point it is worth clear that by prepacking is meant other sailing the propellants in their tanks when the motor is made in the first instance or at least sealing them in their tanks at some later stage, still well before use to give a storable, transportable and instantly available device.

After the WWII we traced Tajfun F follower to the East and to the West. The Loki, Guardian, LAR, NALAR, LANCE in the US, the Spartan and MTV SeaSlug in the UK, VR-35 Sweden, VE 121 Emerande France and R-103, R-110 Cheeroc , R 101 PAD, Kurshum, Russia are only a few relative well known as a Tajfun follower. The size had from small original Tajfun to the V2 size in the sixties. The great progress of solid propellants in the sixties the sealed fate of prepacked liquid rocket motors.