

# WFC 427 Cover Page

Voltage Wave-Guide

Propagating “Resonant Action”

By Voltage Tickling of State Space

The “Mode of Operability” of determining the “Operational Parameters of adjusting thermal explosive energy (gtnt) exiting Water Fuel Injector nozzle-port is directly related to the type of Voltage Pulse Train being used and the geometrical configuration of the Resonant Cavity.

In terms of Voltage Pulse Wave-form, several Electrical Operational Parameters exists: Dynamic State Space which varies Electrical Stress Intensity continually during Unipolar Voltage Pulse formation and Static State Space being an electrical condition by which Electrical Stress is being held constant during a certain time-period.

In reference to Resonant Cavity design configuration to bring-on Energy Vectoring of the Hydrogen Gas Flame Front, the following Water Fuel Injectors are utilized: Linear Cylindrical Resonant Cavity; Taper Cylindrical Resonant Cavity; and Non-Linear Cylindrical Resonant Cavity.

Combining “Electrical Voltage Parameters” with “Physical Design Parameters” of a given type of Resonant Cavity allows the energy-yield of the Hydrogen Gas Flame Front to be either more or less Thermal Explosive Energy (gtnt) over thermal heat energy and herein is called “Energy Vectoring” ... and is performed in the following way:

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