

**DESCRIPTION**

**The GEFCO #SE9500 Series Air Propelled Jet Principle of Operation**

The "to-be-propelled" water is stored in the jet chamber. Water enters the jet chamber through the inlet valve. Water, seeking its equilibrium, fills the jet chamber to the static water level in which the jet sits. When all air is removed from the jet chamber the inlet valve closes and the jet is ready for presentation.

A ample supply of air, the quantity of which must be delivered at the pressure and volume desired for the presentation enters via the air supply line. The systems pressure will fill the auxiliary air tank to equal the systems pressure. This volume of air provides the approx. volume of air needed to discharge the jet until empty and with a decreasing pressure as time passes. The process is controlled from the show computer via an electrical signal to trigger the solenoid and release the air into the chamber. Once all water is expelled the air supply is turned off and the inlet valve opens and chamber begins the refill process.

GEFCO #SE950 jets can be connected to conventional plumbed fountain systems so that the jets can be used as conventional presentation of water in a steady stream or in bursts controlled by air. Consult the factory for assistance

