

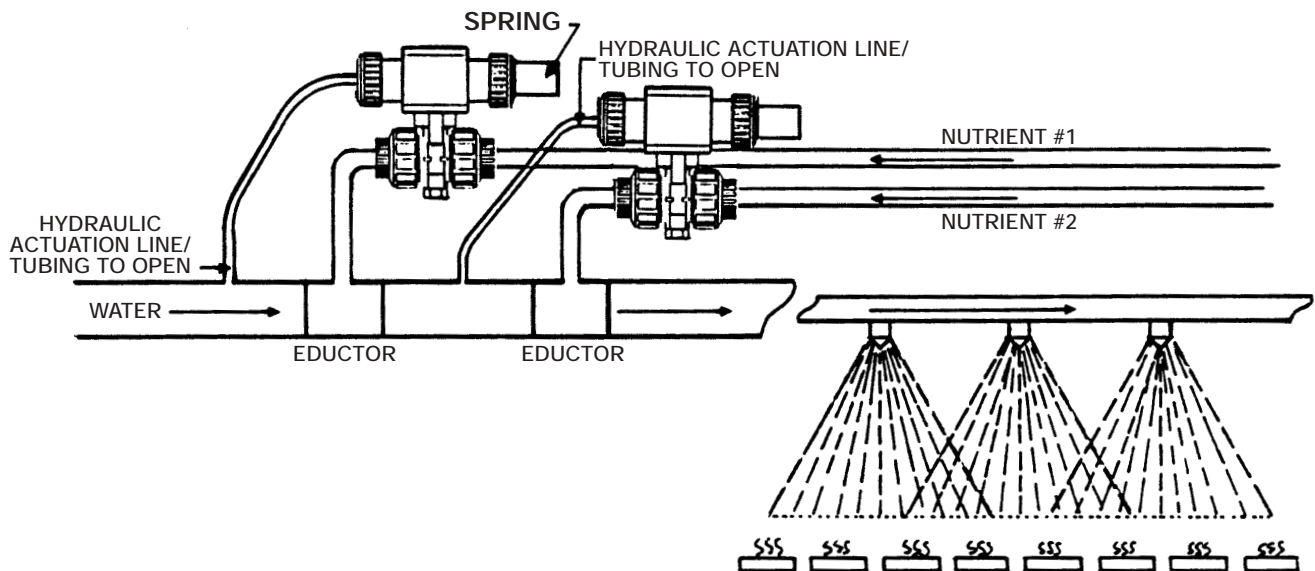
MARKET Chemical Feed – Horticulture

PRODUCT(S) Series ABVS Air (Water) to Open by Spring to Close Actuated Ball Valves

REQUIREMENT To provide automatic low pressure shutoff of liquid nutrient/fertilizer lines.

PROCESS FLUID(S) Water and Liquid Nutrients/Fertilizer

INLET PRESSURE/TEMPERATURE Vacuum to 80 PSI / Ambient



A major southern horticulturist needed a “Fail-Safe” method of automatic shutoff of liquid nutrients when his water pressure would drop below 40 PSI. This was necessary to prevent adding too much nutrient to the plants as a percentage of water. Since electricity was not readily available,

customer substituted his water pressure for air pressure directly (no use of “air” solenoid) to the “air” side of the actuator. Therefore, once the water pressure dropped to 40 PSI (below minimum required to open) the spring closes the valves and protects the plants.