SHOKTROL® OFFERS UNLIMITED CAPACITIES FOR AN INFINITE RANGE OF APPLICATIONS

Zurn Shoktrols are available in a variety of sizes to fill a variety of needs. Their 3-1/2" maximum diameter makes possible ready concealment between 2" x 4" studs without furring. Full range provides complete protection against water hammer in common pipe diameters for varying pipe lengths wherever flow velocity is subject to sudden change – in quick closing, solenoid-actuated valves used with lavatories and sinks, dishwashers, and residential automatic washers; in improperly adjusted water closet flush valves; in pumping systems, and in drinking fountains or similar installations where water flow is valved for intermittent operation.

Superior Quality

Each Shoktrol has its shock-absorbing air cushion hermetically sealed within the unit. Unlike piston or O-ring type shock absorbers, there is no loss of air from the Shoktrol due to leakage past worn elastomeric sealing surfaces nor due to permeation through elastomeric features. In addition, the Shoktrol's 18-8 stainless steel construction makes it virtually immune to attack and degradation by high levels of chloramine and other common waterborne chemicals which quickly degrade elastomeric components.

Note: For applications requiring larger capacity units, such as commercial laundry equipment, specify Zurn Accumutrol Z1712 on the following pages.

Regularly Furnished

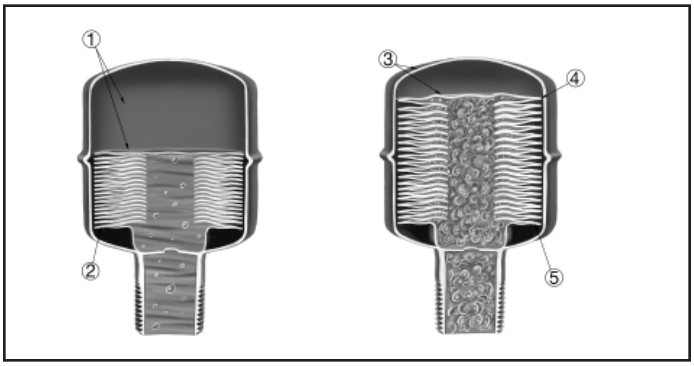
Zurn Shoktrols are regularly furnished in all-stainless steel construction. Pipe threads are accurately machined to assure tight connection. 1" male I.P.S inlet is standard for all capacities except the 100 and 200 sizes, which use 3/4" male I.P.S. inlet.

Recommended Specification

Where required in piping systems, properly sized water hammer arrestors shall be Zurn Z1700 (specify size) with nesting type bellows contained within casing having sufficient displacement volume to dissipate the calculated kinetic energy generated in the piping system. Both casing and bellows are constructed of 18-8 stainless steel.

In Normal Position

Water enters interior of all-welded nesting bellows. Energy displacement area shown in upper chamber.



① **All-Stainless-Steel Construction –** When sized properly, the Shoktrol's bellows cannot take a permanent set even if expanded by static line pressure for prolonged periods, nor split or tear under stress. Exterior requires no additional treatment to blend with surroundings on exposed installations.

② **All-Welded Bellows –** Fusion-welded under argon-gas shield with controlled constant conditions. Resultant weld stronger than parent metal.

Under Shock Pressure

When sized properly, the Shoktrol's bellows expand to absorb shock revealing no stress points and no danger of flexing bellows beyond elastic limit.

③ **No Corrosion –** Non-corrosive properties permit use in many systems handling liquids other than water. Unaffected by hot water temperatures up to 300° Fahrenheit, or atmospheric corrosion in all localities.

④ **Pressure and Temperature Requirements**

Max. Working Pressure: . . . . . 125 psi
Max. Static Pressure: . . . . . 250 psi
Max. Temperature: . . . . . 300°F

Conditions beyond these limits will cause a decrease to Shoktrol life expectancy.

Zurn Shoktrol Water Hammer Arrestors are approved by P.D.I. to Standard WH201 and by A.S.S.E. to Standard 1010.