

Sioux Chief Manufacturing

Technical Report #704

Water Hammer Arresters

Subject: Arrester Sizing & Placement on Roman Tub Fillers/Irrigation Valves

Roman Tub Fillers:

Sizing:

For whirlpool and roman tub filler valves with a flow rate in excess of six (6) gallons per minute, install a "B" size arrester (Sioux Chief 653-B or 653-BS) on both the hot and cold supply lines serving the valve.

Placement:

Each arrester should be placed as close as possible to the valve, within six (6) feet upstream of the valve.

Lawn Irrigation System Zone Valves:

Sizing:

For zone valves, supplied by either 3/4" or 1" supply line:

- 3/4" supply line: install one (1) "B" size arrester (Sioux Chief 653-B or 653-BS).
- 1" supply line: install one (1) "C" size arrester (Sioux Chief 654-C or 654-CS).

Placement:

Each arrester (sized as above) should be placed as close as possible to each and every zone valve in the system, within six (6) feet upstream of the valve.

Note: If lawn irrigation system zone valves are grouped closely together (within six (6) feet), just one arrester (sized as above) should be placed directly upstream of the valves, within six (6) feet of the valves. This one arrester will control water hammer for all the valves in the group.

1-800-821-3944 • www.siouxchief.com



Hangers & Brackets



Preformed Copper



Arresters & Trap Primers



Drainage Products



Plumbing Specialties

