

# WATER HAMMER ARRESTERS

## 650 & 660 SERIES

## Hydra-Rester™ & Mini-Rester™

|                  |                 |
|------------------|-----------------|
| ITEM # SUBMITTED | _____           |
| JOB NAME         | _____           |
| LOCATION         | _____           |
| ENGINEER         | _____           |
| CONTRACTOR       | _____           |
| PO#              | _____ TAG _____ |

### SPECIFICATION

Sioux Chief 650/660 Series piston-type water hammer arresters shall be required in piping systems. Water hammer arresters shall have sufficient volume of air to dissipate the calculated kinetic energy generated in the piping system. Arresters shall be effective when installed at any angle. Arresters shall be approved for installation with no access panel required. Water hammer arresters shall be ANSI/ASSE 1010 2004 certified. Arresters shall be sized and placed per manufacturer's instructions.

### MATERIALS

- Arrester Body:** Type L copper tube
- Piston:** Poly Piston with two EPDM O-rings
- Male Thread Fitting:** No-lead brass or copper MIP thread
- Piston Lubrication:** Dow-Corning, 111 FDA approved silicone compound

### WORKING LIMITS

- Max. Working Temperature:** 250°F
- Max. Working Pressure:** 350 PSIG
- Burst Tested:** to 2,900 PSIG

\*PEX and CPVC connection specifications are limited to those called out in their respective ASTM Standards for Fittings (CPVC D2846, PEX F1807).

### INSTALLATION

- Angle:** May be installed at any angle
- Access Panels:** No access panels required

### SIZING & PLACEMENT

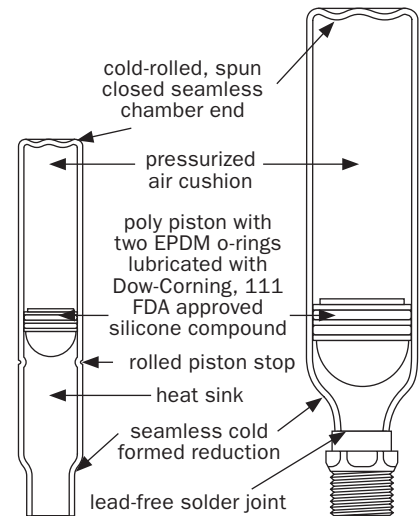
Refer to instructions on product package or in catalog

### CERTIFICATIONS/APPROVALS

- 650 Series:** Certified by ASSE to the ANSI/ASSE 1010 standard
- 660 Series:** Certified by ASSE to the ANSI/ASSE 1010 standard

### DIMENSIONS

| Arrester Size:           | AA     | A      | B      | C       | D       | E       | F       |
|--------------------------|--------|--------|--------|---------|---------|---------|---------|
| <b>Overall Height:</b>   |        |        |        |         |         |         |         |
| Male Sweat               | 6-1/2" | 8-1/4" | 10"    | 12-1/2" | 11"     | 13-1/2" | 16"     |
| Male Thread              | 3-3/8" | 6-1/2" | 8-3/4" | 11"     | 10-1/8" | 12-5/8" | 15-1/8" |
| CPVC                     | 4-1/4" | 7-1/2" | 9-1/2" | 12"     | —       | —       | —       |
| PEX Crimp                | 4-1/4" | 6-1/2" | 8-3/4" | 11"     | —       | —       | —       |
| <b>Chamber Width:</b>    | 7/8"   | 1-3/8" | 1-3/8" | 1-3/8"  | 2-1/8"  | 2-1/8"  | 2-1/8"  |
| <b>Connection Size:</b>  | 1/2"   | 1/2"   | 3/4"   | 1"      | 1"      | 1"      | 1"      |
| <b>Volume (cu. in.):</b> | 1.4    | 5      | 7      | 11      | 20      | 29      | 36      |
| <b>Fixture Units:</b>    | 1-4    | 4-11   | 12-32  | 33-60   | 61-113  | 114-154 | 155-330 |



- |   |   |   |
|---|---|---|
| <input type="checkbox"/> 660-G2B AA size, MIP         | <input type="checkbox"/> 652-AX A size, PEX crimp   | <input type="checkbox"/> 654-CX C size, PEX crimp |
| <input type="checkbox"/> 660-SB AA size, sweat        | <input type="checkbox"/> 653-B B size, MIP          | <input type="checkbox"/> 655-D D size, MIP        |
| <input type="checkbox"/> 660-V82B AA size, male CPVC  | <input type="checkbox"/> 653-BS B size, sweat       | <input type="checkbox"/> 655-DS D size, sweat     |
| <input type="checkbox"/> 660-V2B AA size, CPVC socket | <input type="checkbox"/> 653-BC B size, CPVC socket | <input type="checkbox"/> 656-E E size, MIP        |
| <input type="checkbox"/> 660-X2B AA size, PEX crimp   | <input type="checkbox"/> 653-BX B size, PEX crimp   | <input type="checkbox"/> 656-ES E size, sweat     |
| <input type="checkbox"/> 652-A A size, MIP            | <input type="checkbox"/> 654-C C size, MIP          | <input type="checkbox"/> 657-F F size, MIP        |
| <input type="checkbox"/> 652-AS A size, sweat         | <input type="checkbox"/> 654-CS C size, sweat       | <input type="checkbox"/> 657-FS F size, sweat     |
| <input type="checkbox"/> 652-AC A size, CPVC socket   | <input type="checkbox"/> 654-CC C size, CPVC socket |   |