

# 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 MIP thread (see tables)
- 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

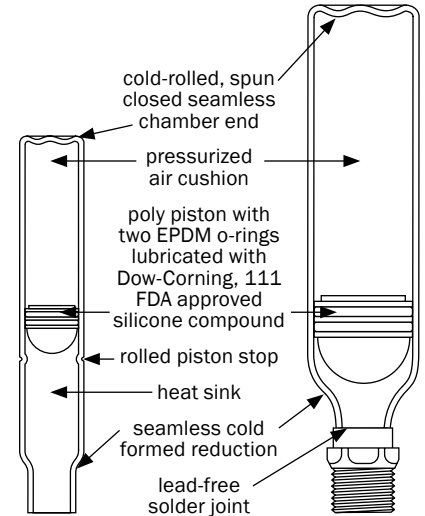
Refer to instructions on product package or in catalog.

## 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
Overall height							
male sweat	3 <sup>3</sup> / <sub>8</sub> "	6 <sup>1</sup> / <sub>2</sub> "	10"	12 <sup>1</sup> / <sub>2</sub> "	11"	13 <sup>1</sup> / <sub>2</sub> "	16"
male thread	3 <sup>3</sup> / <sub>8</sub> "	8 <sup>1</sup> / <sub>4</sub> "	8 <sup>3</sup> / <sub>4</sub> "	11"	10 <sup>1</sup> / <sub>8</sub> "	12 <sup>5</sup> / <sub>8</sub> "	15 <sup>1</sup> / <sub>8</sub> "
CPVC	4 <sup>1</sup> / <sub>4</sub> "	7 <sup>1</sup> / <sub>2</sub> "	9 <sup>1</sup> / <sub>2</sub> "	12"	—	—	—
PEX crimp	4 <sup>1</sup> / <sub>4</sub> "	6 <sup>1</sup> / <sub>2</sub> "	8 <sup>3</sup> / <sub>4</sub> "	11"	—	—	—
Chamber width	7 <sup>8</sup> / <sub>8</sub> "	1 <sup>3</sup> / <sub>8</sub> "	1 <sup>3</sup> / <sub>8</sub> "	1 <sup>3</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "
Connection size	1/2"	1/2"	3/4"	1"	1"	1"	1"
Volume (cu. in.)	1.4	5	7	11	20	29	36
Fixture units	1-4	4-11	12-32	33-60	61-113	114-154	155-330



## NO-LEAD PRODUCT

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

## STANDARD

<input type="checkbox"/> 652-A A size, MIP
<input type="checkbox"/> 653-B B size, MIP
<input type="checkbox"/> 654-C C size, MIP
<input type="checkbox"/> 655-D D size, MIP
<input type="checkbox"/> 656-E E size, MIP
<input type="checkbox"/> 657-F F size, MIP