WATER HAMMER ARRESTERS

650 SERIES

HydraRester™

ITEM # SUBMITTED_____

JOB NAME_____

LOCATION _____

ENGINEER_____

CONTRACTOR_____

PO#_____ TAG _____

SPECIFICATION

Sioux Chief 650 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.

652-A

MATERIALS

Arrester body: type L copper tube
Piston: poly piston with two EPDM o-rings
Male thread fitting: copper MIP thread
Piston lubrication: Dow-Corning, 111 FDA approved silicone compound
PEX F1960 fitting: No Lead EcoBrass 69300

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, PEX F1960).

INSTALLATION

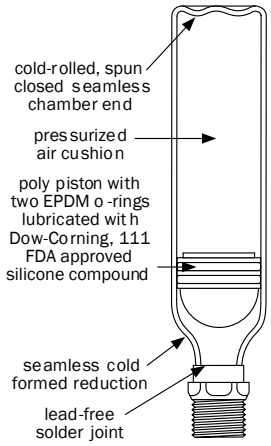
Angle: May be installed at any angle
Access panels: No access panels required
Sweat connection: Compatible with Press Fittings or Push Fittings

SIZING & PLACEMENT

Refer to instructions on product package, catalog or website.

CERTIFICATIONS/APPROVALS

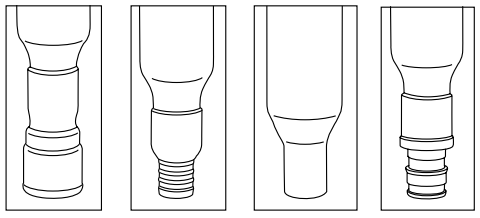
Certified by ASSE to the ANSI/ASSE 1010-2004 standard



MIP

DIMENSIONS

Arrester size	A	B	C	D	E	F
Overall height						
male thread	6½"	8¾"	11"	10⅛"	12⅝"	15⅛"
male sweat	8¼"	10"	12½"	11"	13½"	16"
CPVC	7½"	9½"	12"	—	—	—
PEX F1807	6½"	8¾"	11"	—	—	—
PEX F1960	6½"	8¾"	11"	—	—	—
Chamber width	1⅜"	1⅜"	1⅜"	2⅛"	2⅛"	2⅛"
Connection size	½"	¾"	1"	1"	1"	1"
Volume (cu. in.)	5	7	11	20	29	36
Fixture units	1–11	12–32	33–60	61–113	114–154	155–330



CPVC | PEX F1807 | Male Sweat | PEX F1960

PRESS-FITTING COMPATIBLE | NO LEAD | ASSE 1010

Choose Item Number

- ☐ **652-A** = A size, MIP
- ☐ **652-AS** = A size, sweat
- ☐ **652-AX** = A size, PEX F1807
- ☐ **652-AC** = A size, CPVC socket
- ☐ **653-B** = B size, MIP
- ☐ **653-BS** = B size, sweat
- ☐ **653-BX** = B size, PEX F1807
- ☐ **653-BC** = B size, CPVC socket
- ☐ **654-C** = C size, MIP
- ☐ **654-CS** = C size, sweat
- ☐ **654-CX** = C size, PEX F1807
- ☐ **654-CC** = C size, CPVC socket
- ☐ **655-D** = D size, MIP
- ☐ **655-DS** = D size, sweat
- ☐ **652-AWG** = A size, PEX F1960
- ☐ **656-E** = E size, MIP
- ☐ **656-ES** = E size, sweat
- ☐ **653-BWG** = B size, PEX F1960
- ☐ **657-F** = F size, MIP
- ☐ **657-FS** = F size, sweat
- ☐ **654-CWG** = C size, PEX F1960