

WATER HAMMER ARRESTER

650 SERIES

HydraRester™

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 when valves are quickly closed. 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 certified. Arresters shall be sized and placed per manufacturer's instructions.

MATERIALS

Arrester Body: Type L copper tube

Piston: Polypropylene with two EPDM o-rings

Piston Lubricant: Dow-Corning 111, FDA-Approved silicone

Male Thread Fitting: Copper

F1960 PEX Fitting: 69300 Brass

CERTIFICATIONS/APPROVALS

Certified by ASSE to the ANSI/ASSE 1010 standard

WORKING LIMITS¹

Temperature: 250°F Max

Pressure: 350 PSIG Max

Burst Tested: to 2,900 PSIG

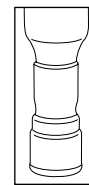
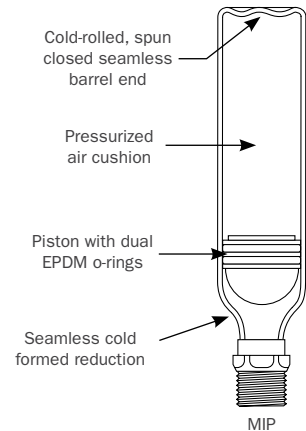
DIMENSIONS

Arrester Size	A	B	C	D	E	F
Overall Height						
Male Thread	6-1/2"	8-3/4"	11"	10-1/8"	12-5/8"	15-1/8"
Male Sweat	8-1/4"	10"	12-1/2"	11"	13-1/2"	16"
CPVC	7-1/2"	9-1/2"	12"	n/a	n/a	n/a
F1807 PEX	6-1/2"	8-3/4"	11"	n/a	n/a	n/a
F1960 PEX	6-1/2"	8-3/4"	11"	n/a	n/a	n/a
Barrel Width	1-3/8"	1-3/8"	1-3/8"	2-1/8"	2-1/8"	2-1/8"
Connection Size	1/2"	3/4"	1"	1"	1"	1"
Volume	5 in ³	7 in ³	11 in ³	20 in ³	29 in ³	36 in ³
Fixture Units	1-11	12-32	33-60	61-113	114-154	155-330

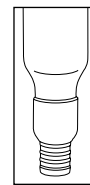
¹ PEX and CPVC connection specifications are limited to those called out in their respective ASTM Standards for Fittings (CPVC D2846, PEX F1807, PEX 1960).



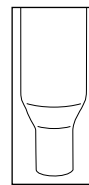
652-A



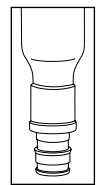
CPVC



F1807



Male
Sweat



F1960

Choose Item Number

Unit Size | Connection Type

- | | | | |
|---|---|--|---|
| ☐ 652-A = A Size MIP thread | ☐ 652-AS = A Size Male sweat ² | ☐ 652-AX = A Size F1807 PEX | ☐ 652-AC = A Size CPVC socket |
| ☐ 653-B = B Size MIP thread | ☐ 653-BS = B Size Male sweat ² | ☐ 653-BX = B Size F1807 PEX | ☐ 653-BC = B Size CPVC socket |
| ☐ 654-C = C Size MIP thread | ☐ 654-CS = C Size Male sweat ² | ☐ 654-CX = C Size F1807 PEX | ☐ 654-CC = C Size CPVC socket |
| ☐ 655-D = D Size MIP thread | ☐ 655-DS = D Size Male sweat ² | ☐ 652-AWG = A Size F1960 PEX | |
| ☐ 656-E = E Size MIP thread | ☐ 656-ES = E Size Male sweat ² | ☐ 653-BWG = B Size F1960 PEX | |
| ☐ 657-F = F Size MIP thread | ☐ 657-FS = F Size Male sweat ² | ☐ 654-CWG = C Size F1960 PEX | |

² Male sweat connection is compatible with Press/Push fittings