

Q
DRAWING NUMBER
S5200-SC Series
SIZE
A
SCALE:
NONE
DATE:
1-5-04
APPROVED BY:
SJM
CHECKED BY:
JM
DRAWN BY:
TBW
FIGURE NUMBER
5200-SC SERIES

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

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ASPE **PDI** **ASSE**
 MEMBER OF:

LOCATION

PISTON TYPE WATER HAMMER ARRESTER

Jay R. Smith Mfg. Co.® HYDROTROL JUNIOR

Maximum working pressure - Designed to keep residential, commercial, and industrial water lines @ 350 p.s.i. maximum working pressure during pressure surges following quick valve closure. Working TEMPERATURE RANGE - From 33° to 250° F.

INSTALLATION

The piston unit can be installed in new construction or renovation/remodel construction. It can be installed at any angle to accommodate structural limitations, and should be placed as close to the shut-off valve as possible, one on each hot and cold line. The piston unit is seamless, factory charged with nitrogen and is maintenance free and does not require access panels. It cannot be charged in the field.

TYPICAL INSTALLATIONS

- Properly sized and placed) the piston unit can be set in a multiple fixture branch for commercial/institutional/industrial/residential applications.

NOTE: Systems exceeding 60 PSI(414 kPa) shall have a pressure reducing valve installed upstream of the WHA units per ASSE 1010 WHA Standard. PDI WH-201 states the pressure should not exceed 55(379 kPa) psig.

Listed:

 STD 1010

 FILE NO. 4785

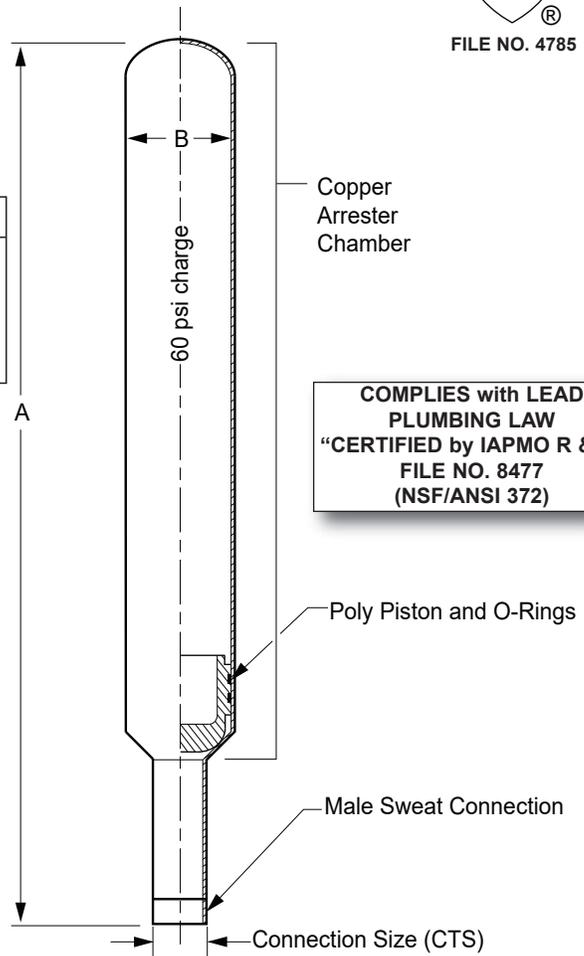
PISTON UNITS Comply with the following:
 ASSE/ANSI 1010 Water Hammer Arrester Standard
 PDI WH-201 Water Hammer Arrester Standard

Connection Size	Sizing Symbol	Smith Fig. No.	Air Charge	Dimensions		Fixture Unit Capacity
				A	B (DIA)	
1/2"(13) CTS (5/8" OD)	AA	5201	60 psig	5 5/8"(143)	7/8"(22)	1 to 3
1/2"(13) CTS (5/8" OD)	A	5205	60 psig	6 9/16"(167)	1 1/8"(29)	1 to 11
3/4"(19) CTS (7/8" OD)	B	5210	60 psig	10 13/16"(275)	1 3/8"(35)	12 to 32
1"(25) CTS (1 1/8" OD)	C	5220	60 psig	14"(356)	1 3/8"(35)	33 to 60
1 1/4"(32) CTS (1 3/8" OD)	D	5230	60 psig	13 1/2"(343)	2 1/8"(54)	61 to 113
1 1/2"(38) CTS (1 5/8" OD)	E	5240	60 psig	13 1/4"(337)	2 5/8"(67)	114 to 154
2"(50) CTS (2 1/8" OD)	F	5250	60 psig	14 1/8"(359)	2 5/8"(67)	155 to 330

◆AA Size for use in residential applications only.

WATER HAMMER ARRESTER SIZING
 REFER TO PDI WH-201 (2017) WATER HAMMER ARRESTER STANDARD, TABLES IV AND V FOR FIXTURE UNIT VALUES AND SIZING.
www.pdionline.org

NOTE: Dimensions shown in parentheses are in millimeters.



COMPLIES with LEAD PLUMBING LAW
 "CERTIFIED by IAPMO R & T"
 FILE NO. 8477
 (NSF/ANSI 372)

Q	1-29-24	Revised INSTALLATION	HS	CL	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 5200-SC SERIES
P	9-15-20	Removed Table	MW	JM			
N	2-21-19	Revised Title	TBW	JM			
M	1-14-19	Revised Text, Added Notes	TBW	JM			
REV.	DATE	DESCRIPTION	BY	CKD. BY			