

# Water Hammer Arrester, Hydrants and Accessories

## 500 Series

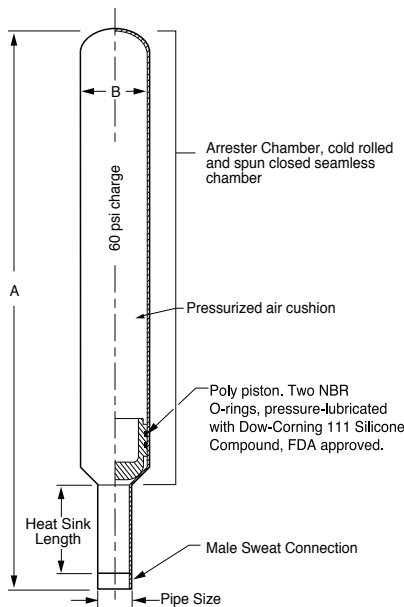
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## Piston Type Water Hammer Arresters, Series 520-SC \_\_\_\_\_

**Product Description:** Recommended for plumbing fixtures in office buildings, retail, schools, hospitals, correctional facilities, and public buildings. Sweat connection piston type water hammer arresters consists of seamless, cold rolled and spun closed copper; pressurized arrester chamber; poly piston with two NBR O-rings.

### Features and Benefits:

- Seamless, factory charged and maintenance free
- Does not require an access panel
- Designed to absorb and control shock pressure in water lines from surges during quick valve closure
- Maximum rated surge pressure: 350 P.S.I.G.
- Operating line flow pressure up to 60 P.S.I.G.
- Working temperature range: 33° to 250°F
- Listed by the American Society of Sanitary Engineers to ASSE 1010 Standard
- IAPMO Listed, File No. 4785



Sweat Connection Piston Water Hammer Arrester  
Series 520-SC

### WATER HAMMER ARRESTER SIZING CHART

Smith Fig. No.	Pipe Size	Size	Air Charge	Dimensions		Fixture Unit Capacity
				A	B (DIA)	
520-SC-AA	1/2"	AA*	60 psig	5.62"	.875"	1 to 3
520-SC-A	1/2"	A	60 psig	6.56"	1.125"	4 to 11
520-SC-B	3/4"	B	60 psig	10.81"	1.38"	12 to 32
520-SC-C	1"	C	60 psig	14.03"	1.38"	33 to 60
520-SC-D	1-1/4"	D	60 psig	13.53"	2.13"	61 to 113
520-SC-E	1-1/2"	E	60 psig	16.84"	2.13"	114 to 154
520-SC-F	2"	F	60 psig	14.122"	2.63"	155 to 330

Length of Pipe	For flow pressures up to 60 P.S.I.G.					
	Nominal Pipe Diameter					
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
25'	A	A	B	C	D	E
50'	A	B	C	D	E	F
75'	B	C	D	AE	F	EF
100'	C	D	E	F	CF	FF
125'	C	D	F	AF	EF	EFF
150'	D	E	F	DF	FF	FFF

NOTE: Dimensional data is subject to manufacturing tolerances and change without notice

\* NOTE: AA size for residential applications only.

NOTE: Per ASSE Standard, systems exceeding 60 P.S.I.G.

shall be installed with a pressure reducing valve upstream of the unit

**Note: The wetted surface of the product contacted by consumable water contributes less than one quarter of one per cent of lead by weight.**



A Product of:  
**JAY R. SMITH MFG. CO.**  
DIVISION OF SMITH INDUSTRIES, INC.

**SERIES 520-SC**

SPM 1013

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