



**Precision Plumbing Products**

*"Specify with Confidence - Install with Pride"*

**LEAD FREE**

**THREADED WATER HAMMER ARRESTORS**

www.pppinc.net

**ONLY ONE MOVING PART!**

**WATER HAMMER ARRESTORS ARE SPECIFIED FOR COMMERCIAL, INDUSTRIAL AND RESIDENTIAL USES.**

**PPP WATER HAMMER ARRESTORS SPECIFIED FOR MANY INSTALLATIONS!**



A maintenance-free installation is assured when using this type of arrestor...the only moving part is the free-moving piston furnished with "O"ring seals which have been tested for reliability in excess of normal operating ranges.

**SC-500A - SC-2000F**

**FLUID HAMMER IN FLUID TRANSMISSION LINES** – a definition.

Fluid Hammer is a series of hydraulic shock waves generated within the confines of a piping system due to the sudden stopping of fluid flow. This condition is caused by fast closing of positive valves incorporated within the system. The effect of fluid hammer is damaging if allowed to exist for any length of time and will result in broken pipes and damage to other components in the system.

U.S. Patent No. 3,633,627

**40 Years of outstanding performance**



Low Lead



Complies with low lead law.



Made in the U.S.A. We do not export jobs.



## SPECIFICATIONS & INSTALLATIONS



**INSTALLATION:** May be installed in new or existing plumbing systems with a standard pipe tee.

**MAINTENANCE:** Maintenance free – the piston is the only moving part.

**TEMPERATURE RANGE:** -40° F to + 212° F (-4.4° C to + 100° C)

**CONSTRUCTION:** Barrel-fabricated of type “L” hard drawn copper.

**Cap:** Copper or free turning brass.

**Piston:** Machined of Composite Material

**Threaded Adapter:** Machined of C69300 Low Lead Brass

**A Seals:** “O”rings: EPDM.

**Seal Lubricant:** Dow-Corning Silicone Compound #111, FDA listed for use in potable water systems.

**Nickel Plated:** For Salt Water Application.

**OPERATING PRESSURE:** Designed to operate on all domestic and commercial systems.

Normal operating pressure 0 to 80 PSIG. Max spike pressure 400 PSIG. System Pressures above 80 PSI consult factory.

## SIZING INFORMATION

For equipment and fixtures not listed below, size in accordance with load values (WSFU) assigned the same.

Extract from: PDI WH201-06

FIXTURE	TYPE OF SUPPLY CONTROL	WEIGHT IN FIXTURE UNITS			
		Public		Private	
		C.W.	H.W.	C.W.	H.W.
Water Closet	Flush Valve	8	-	5	-
Water Closet	Flush Tank	5	-	2.5	-
Pedestal Urinal	Flush Valve	4	-	-	-
Stall or Wall Urinal	Flush Valve	4	-	-	-
Lavatory	Faucet	1 1/2	1 1/2	1	1
Bathtub	Faucet	2	3	1 1/2	1 1/2
Shower Head	Mixing Valve	2	3	1	2
Bathroom Group	Flush Valve Closet	-	-	8	3
Bathroom Group	Flush Tank Closet	-	-	6	3
Separate Shower	Mixing Valve	-	-	1	2
Service Sink	Faucet	3	3	-	-
Laundry Tubs (1-3)	Faucet	-	-	3	3
Comb. Fixture	Faucet	-	-	3	3

## PDI SIZING AND SELECTION TABLE

PIPE SIZE	FIXTURE UNITS	CROSS REF. PDI
1/2"	1-11	A
3/4"	12-32	B
1"	33-60	C
1 1/4"	61-113	D
1 1/2"	114-154	E
2"	155-330	F

Extract from: PDI WH201

**B**

**NO ACCESS PANEL REQUIRED  
(CONSULT LOCAL CODES)**

## DIMENSIONAL AND AIR LOADING DATA

PART NUMBER	A OAL	B NPT	NITROGEN PRELOAD PSI
SC-500A	6 1/4"	1/2" brass	60
SC-750B	7 1/4"	3/4" brass	60
SC-1000C	9 1/4"	1" brass	60
SC-1250D	9 1/2"	1" brass	60
SC-1500E	11 1/4"	1" brass	60
SC-2000F	12"	1" brass	60

## PROJECT SUBMITTAL

Project: \_\_\_\_\_

Contractor: \_\_\_\_\_

Engineer: \_\_\_\_\_

Date Submitted: \_\_\_\_\_

Prepared By: \_\_\_\_\_

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