



**Precision Plumbing Products**

*"Specify with Confidence - Install with Pride"*

**LOW LEAD**

## 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.



## 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 C69300 Eco low lead brass or polycarbonate DOW Calibre 2016-15MFR.

**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 200 P.S.I.G., Max spike pressure 400 P.S.I.G.

## 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                       | -     | -       | -     |
| Stall or Wall Urinal | Flush Tank             | 2                       | -     | -       | -     |
| 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

## NO ACCESS PANEL REQUIRED (CONSULT LOCAL CODES)

## DIMENSIONAL AND AIR LOADING DATA

| PART NUMBER | A O.A.L. | B N.P.T.   | NITROGEN PRELOAD PSI |
|-------------|----------|------------|----------------------|
| SC-500A     | 6 1/4"   | 1/2" brass | 60                   |
| SC-750B     | 7 1/4"   | 3/4" brass | 60                   |
| SC-1000C    | 9 1/2"   | 1" brass   | 60                   |
| SC-1250D    | 9 1/4"   | 1" brass   | 60                   |
| SC-1500E    | 11"      | 1" brass   | 60                   |
| SC-2000F    | 12"      | 1" brass   | 60                   |

## PROJECT SUBMITTAL

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

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

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

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

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

## Precision Plumbing Products

Division of JL Industries, Inc.

Airport Business Center  
6807 NE 79th Court, Suite E  
Portland, Oregon 97218

T (503) 256-4010  
F (503) 253-8165

www.pppinc.net



Low Lead



Complies with low lead law.