



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

Over 40 Years of Outstanding Performance



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: 32° F to + 212° F (0° C to + 100° C)

CONSTRUCTION: Barrel-fabricated of type "L" hard drawn copper.

Cap: Copper or free turning brass.

Piston: Composite Material

Threaded Adapter: Machined of C69300 ECO Brass

Seals: "O"rings: EPDM.

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

OPERATING PRESSURE: Designed to operate on all domestic and commercial systems. Max static pressure 250 PSI. Max spike pressure 400 PSI. 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

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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