FLUID HAMMER ARRESTORS





then refer to charts for proper devices.

done with an appropriate sized wrench on the nipple.

The fixture unit valves shown in Table II represent the standard rat-

LONG RUNS OF PIPING TO REMOTE EQUIPMENT When long runs of piping are employed to serve a remote item of equipment, the Water Hammer Arrestor should be located as close

The size and quantity of Water Hammer Arrestor to be installed in branch lines is shown in Table III. Ideally, the flow pressure in branch lines serving fixtures should never exceed 55 PSIG. Pressure reduc-

ing valves should be installed to maintain proper pressure. When,

however, flow pressures of 65 to 85 PSIG are used, the next larger size Water Hammer Arrester should be selected (see Table III).

Nominal Pipe Diameter

1'

С С

В

С

1 1/4'

**

Table III

FOR FLOW PRESSURES UP TO 85 PSIG

3/4

в

С

A

В

С

as possible to the point of quick closure (see Fig. 4).

Precision Plumbing Products

"Specify with Confidence - Install with Pride"

Stainless Steel Bellows Model SBHA

Water Hammer Arrestor (sizes A thru F)®

INSTALLATION 1. Flush lines thouroughly prior to installation of Model SBHA.

EXAMPLE - Fig 1 C.W. = 22 Fixture Units Needs - SBHA-750B

H.W. = 6 Fixture Units

Needs - SBHA-500A

LENGTH

OF PIPE

25

50

75

100'

125'

Installation

Fig. 1

1

SIZING AND SELECTION

- 1. Determine number of fixture units from Table II. 2. Determine size of Water Hammer Arrestor based on fixture units
 - 2. Determine shock arrestor size from Table I.





TABLE II FIXTURE UNITS SIZING INFORMATION

FIXTURE	TYPE OF SUPPLY CONTROL	FIXTURE-UNITS				
		PUE	BLIC	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	Mixug Valve	-	-	1	2	
Service Sink	Faucet	3	3	-	-	
Laundry Tubs (1-3)	Faucet	-	-	3	3	
Combination Fixture	Faucet	-	-	3	3	

MULTI-FIXTURE BRANCH LINES

Rule 1 - Branch lines of 20 feet or less.

Water Hammer Arrestor should be placed at the end of the branch line between the last two fixtures served (see fig. 2). Select required model using fixture unit sizing.

Rule 2 - Branch lines exceeding 20 feet.

An additional Water Hammer Arrestor should be placed as shown (see fig. 3). Select required models using fixture unit sizing. The sum of the fixture unit ratings of units X and Y shall be equal to or greater than the demand of the branches.



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1/2"

A

A

в

С

С

**

в

в

С

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Maintenance Instructions

- 3. Finally, match arrestor to size and length of pipe run from Table III

3. The Model SBHA should be located as close to the source of	3. Finally, match arrestor to size and length of pipe run							
shock as possible; one each on the hot and cold water lines. Use	TABLE 1							
only Teflon Tape to seal pipe threads.	MODEL SBHA	5004	750B	10000	12500	1500E		
4. To insure proper performance, the Model SBHA should be installed	(SIZES)	500A	1000	10000	12300	TOUCE	Ĺ	
so that there is an unobstructed path to the arrestor.	FIXTURE UNITS	1 TO 11	12 TO 32	33 TO 60	61 TO 113	114 TO 154	15	
5. Threading the Model SBHA into the determined location should be								



* Flow Pressure up to 65 psig ** Flow Pressure over 65 psig and up to 85 psig

LEAD-FREE