

For Light Commercial and Residential Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series 05

Mini Water Hammer Arrestors

Sizes: 1/4" – 3/4" (8 – 20mm)

What is Water Hammer?

The noise from banging pipes is caused by shocks of high speed water flowing in the piping system when a fixture is suddenly closed. Sudden stoppage of the water (a non-compressible liquid) flowing at a given pressure and velocity causes a surge or spike of water and is called water hammer. When this occurs, a pressure wave travels back through the piping until it finds a point of relief.

Dishwashers, clothes washers, fast closing positive shutoff valves incorporated in the plumbing system all contribute to creating water hammer which is not only annoying but damaging to pipes and appliances. Series 05 water hammer arrestors provide economical and effective single fixture protection from the destructive and annoying problem of water pressure shock. Utilizing piston style construction, factory charged and sealed, the Series 05 provides automatic, repetitive control of water hammer when properly installed.

Features

- May be installed in concealed locations without access panels. They are factory air charged and are not rechargeable.
- May be installed in new or existing plumbing systems vertically, horizontally or at any angle.

Pressure – Temperature

Operating Pressure

Designed especially for use in light commercial or residential applications on lines up to 150psi (10.6 bar) working pressure.

Temperature Range

33°F to 180°F (0.5°C - 82°C)

Air Preload

60psi (4.2 bar)



Model 05-QC



Model 05-C



Model 05H-M1



Model 05-C-T



Model 05-CXT



Model 05-PEX-T

Models

- 05** For NPT threaded applications.
- 05-QC** Arrestor offered with Quick-Connect Tee.
- 05-C** For installation on 1/2" CTS for new or retrofit applications.
- 05H-M1** For in-line use with washing machines.
- 05-C-T** For either 1/4" icemaker or 3/8" lav supply tube installation.
- 05-CXT** For installation directly on supply stop either between stub out and stop or between stop and supply tube.
- 05-PEX-T** For either 3/8" or 1/2" in-line PEX installation.
- See reverse side for complete list of models.

IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

WATTS®

Standards

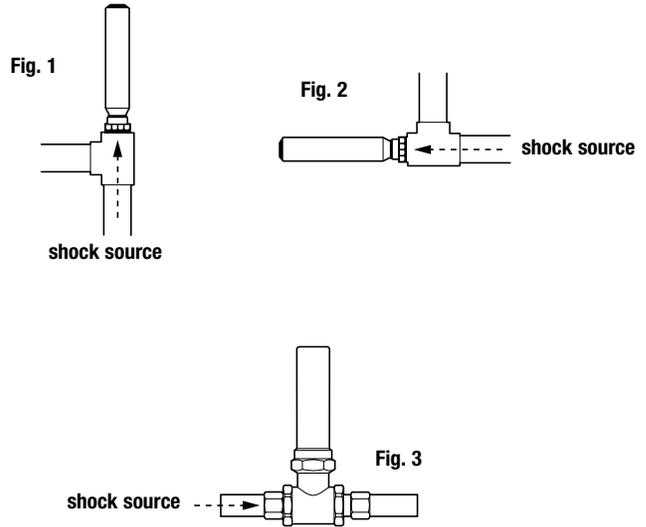


Meets requirements of ASSE Standard 1010 and listed by IAPMO.

Installations

Watts Series 05 water hammer arrestors should always be installed as close to the source of shock as possible - one unit on each hot and cold water line.

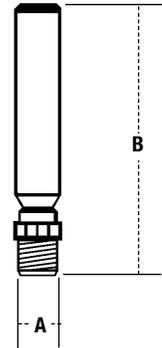
Although they function in any orientation, Figure 1, 2 and 3 show the proper installation where the shock would be absorbed most effectively.



Dimensions - Weight

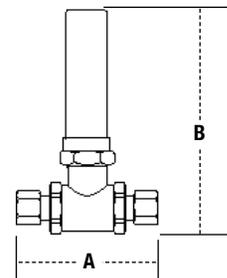
Straight Models

MODEL	SIZE (DN)		CONNECTION TYPE	DIMENSION				WEIGHT	
	in	mm		A		B		lbs	kgs
				in	mm	in	mm		
05	3/8	10	NPT	1 1/4	32	5 1/4	133	0.34	0.15
05	1/2	15	NPT	1 1/4	32	5 1/2	140	0.36	0.16
05-CPVC	1/2	15	CPVC	1 1/8	29	4 11/16	118	0.10	0.05
05-H	3/4	20	Hose	2	50	6 3/8	162	0.48	0.20
05H-M1	3/4	20	Hose	3 3/16	81	6 11/16	170	0.60	0.27
05-S	1/2	15	Sweat	1	25	5 1/2	140	0.30	0.14
05-S	3/4	20	Sweat	1	25	4 7/8	124	0.08	0.04
05-C	5/8	16	OD Comp.	1 1/4	32	5 5/8	143	0.40	0.18



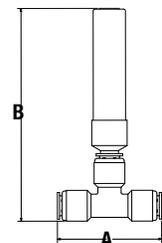
Tee Models

MODEL	SIZE (DN)		CONNECTION TYPE	DIMENSION				WEIGHT	
	in	mm		A		B		lbs	kgs
				in	mm	in	mm		
05-C-T	1/4	8	OD Comp.	2 3/4	70	4 13/16	122	0.17	0.07
05-C-T	3/8	10	OD Comp.	3	77	4 13/16	122	0.17	0.07
05-CXT	3/8	10	OD Comp. x Reverse Comp. Nut	2 13/16	72	4 13/16	122	0.17	0.07
05-CXT	5/8	16	OD Comp. x Reverse Comp. Nut	3 1/16	78	4 13/16	122	0.18	0.08
05-PEX-T	3/8	10	PEX	2 1/4	58	4 11/16	119	0.12	0.05
05-PEX-T	1/2	15	PEX	2 1/4	58	4 11/16	119	0.12	0.05



Quick-Connect

MODEL	SIZE (DN)		CONNECTION TYPE	DIMENSION				WEIGHT	
	in	mm		A		B		lbs	kgs
				in	mm	in	mm		
05-QC	1/2	15	Quick-Connect	3 5/8	93	7 3/8	187	.4	.18
05-QC	3/4	20	Quick-Connect	3 3/32	104	9 1/4	247	.57	.26



A Watts Water Technologies Company



USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca