



Fig. 601, 602



Fig.603a, 604

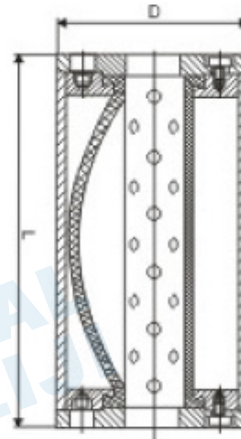


Fig.603b

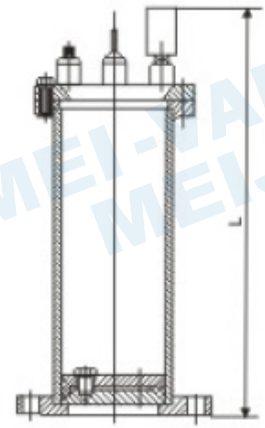


Fig. 603a

## WHAT IS WATER HAMMER?

Water hammer is pressure surge or wave caused by the energy of water in motion when it is forced to stop or Change direction suddenly. This sudden stop results in a tremendous spike of pressure behind the valve which acts like a tiny explosion inside the pipe. This pressure spike reverberates through cut the plumbing system rattling and shaking pipe, until it is absorber. Air traps or star pipes are sometimes added as dampers to the system to provide a cushion to absorb the force of moving water in order to prevent damage. But if no air traps or stand pipes are present, expensive fixtures and appliances within the plumbing system will be damaged as they are left to absorb this pressure spike.

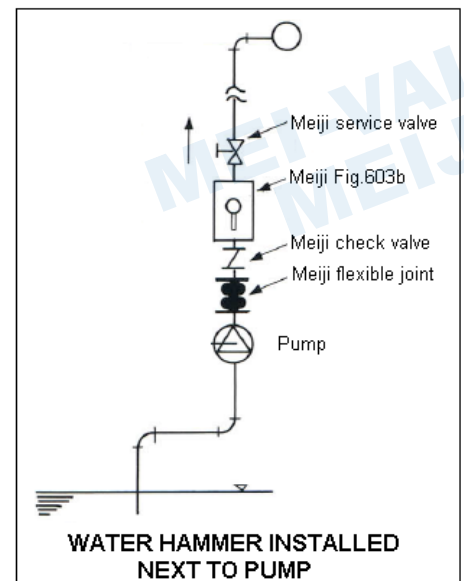
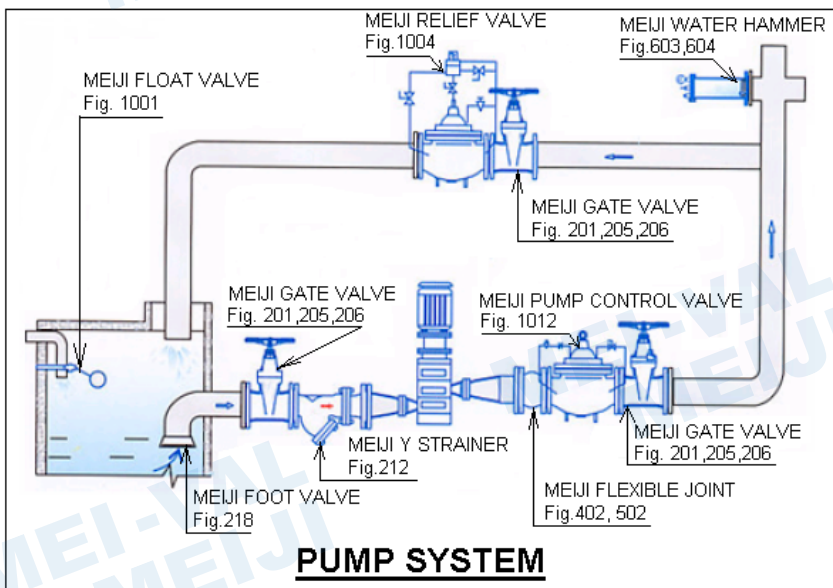
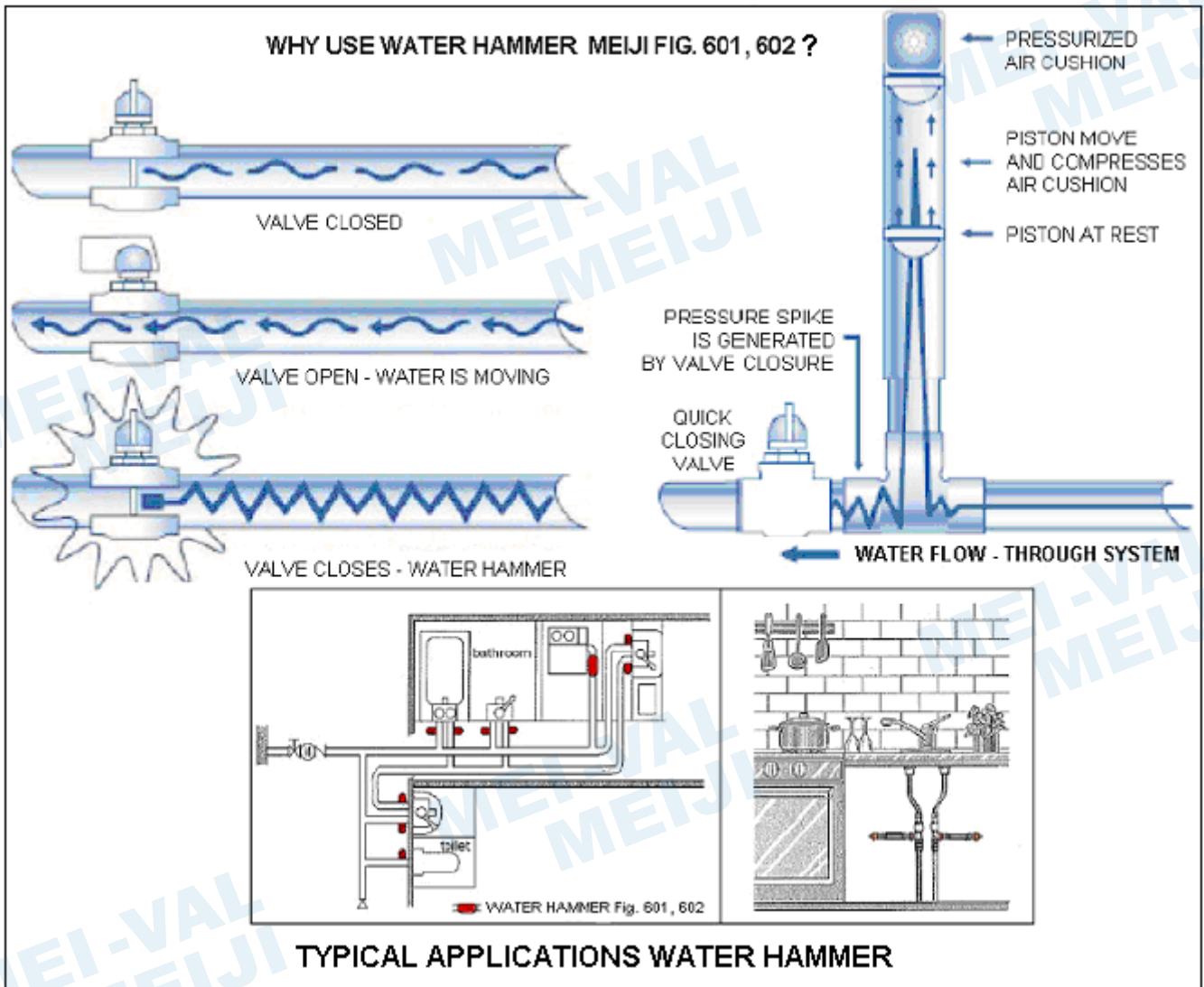
## WHY USE WATER HAMMER ARRESTERS?

To prevent damage to the plumbing system due to excessive water pressure. This pressure creates a potential for failure of plumbing connections, fixture and applications! The use of water hammer arresters is a plumbing code requirement in many jurisdictions.

## CONTROLLING WATER HAMMER

The most common effective economical means of controlling water hammer is a measure, compressible cushion of air which is permanently separated from the water system. Water hammer arresters apply a pressurized cushion of air and two "O" ring piston, which permanently separates this air cushion from the water system. When the valve closes and the water flow is stopped, the pressure spike pushes the piston up the arrester chamber against the cushion of air. The air cushion is the arrester react instantly, absorbing the pressure spike that causes water hammer. Water hammer arresters are guaranteed to control water hammer problems for the life of your plumbing system.

## INSTALLATION OF WATER HAMMER



## SPECIFICATION

1. Fig.601, 602: Brass body, size: 15 mm, threaded to BS21, ISO7, ASMEB1.20.1
2. Fig.603a, b: SS400, SUS304/316 body, size 15~300mm, flanged to BS4504 PN16/25, ANSI #150, JIS10/16K
3. Fig.604: SUS304/316 body, size: 15~50mm, threaded to BS21, ISO7, ASMEB1.20.1

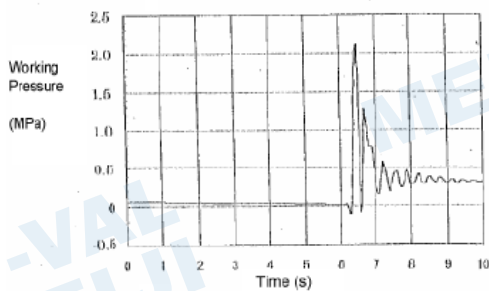
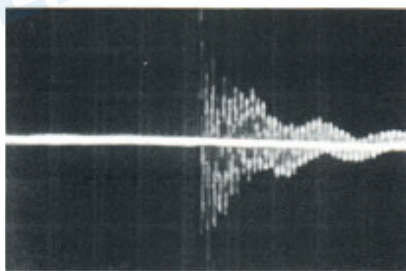
### PRESSURE/TEMPERATURE RATINGS

Working pressure	10/16/25 bar
Testing Pressure	15/24/37.5 bar, Hydrostatic
Pressure Efficiency	50~70% off water hammer arrester
Suitable Media	0° ~ 80°

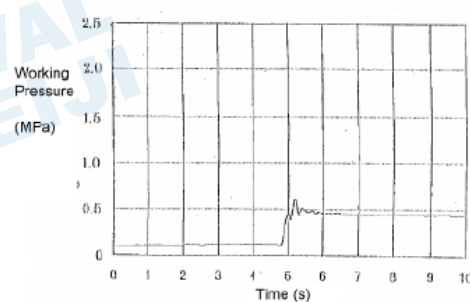
### Specifications:

Size mm	L (mm)					
	Fig. 601, 602		Fig. 604		Fig. 603a,b	
	PN10	PN16	PN16	PN25	PN16	PN25
15	130	150	200	220	200	220
20			300	320	300	320
25			320	340	320	340
32			340	360	340	360
40			350	380	350	380
50			365	385	365	385
65					465	485
80					510	520
100					580	590
150					600	650
200					730	760
250					820	860
300					920	960

Before installation water hammer



After installation water hammer



**Note:**

1. Design and specifications are subject to change without prior notice.
2. Other flanged standards available upon request.