

TECHNICAL BULLETIN

Line : : **Electric or gas-powered Water Heaters**

Technical Notice No. 2

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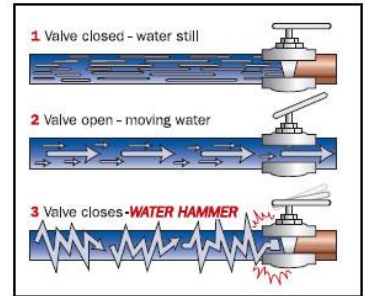
WATER HAMMER

SYMPTOMS

Probably you have experienced with your water heating and plumbing system a loud noise - banging or thumping noise when you turn off hot or cold water tap. This problem is known as water hammer and it can affect both new and old houses.

CAUSE

Water Hammer is the result of the vibration in the plumbing, and it develops when you close the tap fast which stops the flowing water abruptly. Either you have a single lever faucet or faucet with the solenoid valve, this problem might happen. Repetitive loud bang noise happens because the high-pressure shock wave travels through the plumbing system and banging against the walls and from one to other end.



FIX

The fix is simple. Turn the tap off slowly and there will be no loud noise coming from the plumbing, as the water inside the system will slow down gradually.

If the above suggestion does not solve the problem, you might need an arrestor, also called an air cushion or air chambers. This device is filled with the air which is connected to the plumbing so the vibrations will dissipate into this cushion of air, protecting the system from high-pressure shocks. If the arrestor fails, it might be clogged with the accumulated scale and will need proper cleaning.



Arrestor

Elaborated By: _____

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