

## Section 31: Protective Devices

- A. Protective Devices in General: The owner or occupant of premises receiving water supply shall apply and maintain suitable means of protection of the water supply, and all appliances thereof, against damage arising in any manner from the use of the water supply, variation of water pressure, or any interruption of water supply. Particularly, such owner or occupant must protect water cooled compressors for refrigeration systems by means of high and/or low pressure safety cutout devices. There shall likewise be provided, means for the prevention of the transmission of water ram or noise of operation of any valve or appliance through the piping of their own or adjacent premises.
- B. Relief Valves: On all "closed systems" (i.e., systems having a check valve, pressure regulator, or reducing valve, water filter or softener), an effective pressure relief valve shall be installed either in the top tapping or the upper side tapping of the hot water tank, or on the hot water distributing pipe connection at the tank. No stop valve shall be placed between the hot water tank and the relief valve or on the drain pipe.
- C. Air Chambers: An air chamber or approved shock absorber shall be installed at the terminus of each riser, fixture branch, or hydraulic elevator main for the prevention of undue water hammer. The air chamber shall be sized in conformance with local plumbing codes. Where possible, the air chamber should be provided at its base with a valve for water drainage and replenishment of air.
- D. Weatherization: Seasonal users shall make provision for the water system to be drained to avoid freezing of service pipes by installing a valve stem or quick couple air line fitting and appropriate valves and draining the system as is necessary to prevent freezing. Such installation shall conform in all material respects to specifications on file with the District.