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## SOUTHINGTON WATER WORKS DEPARTMENT SPECIFICATIONS FOR BOOSTER PUMPS

### General Information

Home booster pumps have been used in the past on water lines in customers' premise who feel they need to boost water pressure. Under normal operating conditions, it imperative for the Water Department to maintain pressures in the distribution system between 25 and 125 p.s.i. Customers who want to boost their pressure must review their intentions with the Water Department and follow all Regulations and Specifications set forth by the Department.

The Southington Water Department uses the State of Connecticut Public Health Water Design Guidelines and the State Plumbing Codes as references for Booster Pump installations.

### Standards and Specifications

Individual home booster pumps are to be used as a special provision in specific individual cases where:

1. The building to be served is an excessive distance from the street main or its elevation precludes adequate water pressure and, there is at least 25 psi in the street main or;
2. Water pressure in the main is more than 25 but less than 35 psi.
3. Customers request to boost their pressure by means of a booster pump.

Where an individual booster pump is used the installation shall:

- a. Have an air vent type backflow preventer installed on the line to the booster pump, unless the public water system determines that conditions warrant the installation of a reduced pressure principle backflow preventer and;
- b. Have low water cut-off switches.
- c. Follow all Cross Connections regulations pertaining to approved devices used for the installation of Booster Pumps.
- d. Pressures are not to exceed 80 p.s.i. per State Plumbing Code,

All such special provisions pursuant to 19-13-B 102(0)(1) shall be reviewed and approved by the Department before installation.