How To Hook Up A Residential Water Tap

Regtrol XT Series

Thermal Expansion Tanks

A pre-pressurized steel tank with an expansion membrane that prevents contact of the water with the air in the tank. This prevents loss of air to the water and insures long and trouble free life for the system. There tanks may be used with all types of Direct Fired Storage Tanks – gas, oil, or electric. Designed to absorb excessive pressure due to thermal expansion. Plumbing codes define excessive pressure as "over 80 PSI." Used to prevent system or heater damage and unnecessary relief valve discharge from excessive pressure. Max. temperature 210 F. Precharge 55 PSI. Connection ¾" male.

Model No.	Maximum Water Temperature 140°F	160°F	180°F
	Max. Storage Tank Size (Gallons)		
XT 80	50	38	27
XT 190	100	80	52

Above data is based on average conditions for tank sizes shown.

Conbraco SERIES 4P-300 In-Line Dual Check Valve or Industry Equivalent

If you have any questions, feel free to call us at 919-989-5060 and we will get you in touch with an inspector who can help you.

Conbraco Hose Connection Vacuum Breaker or Industry

Conbraco Series 36 Water Pressure Reducing Valve or Industry Equivalent

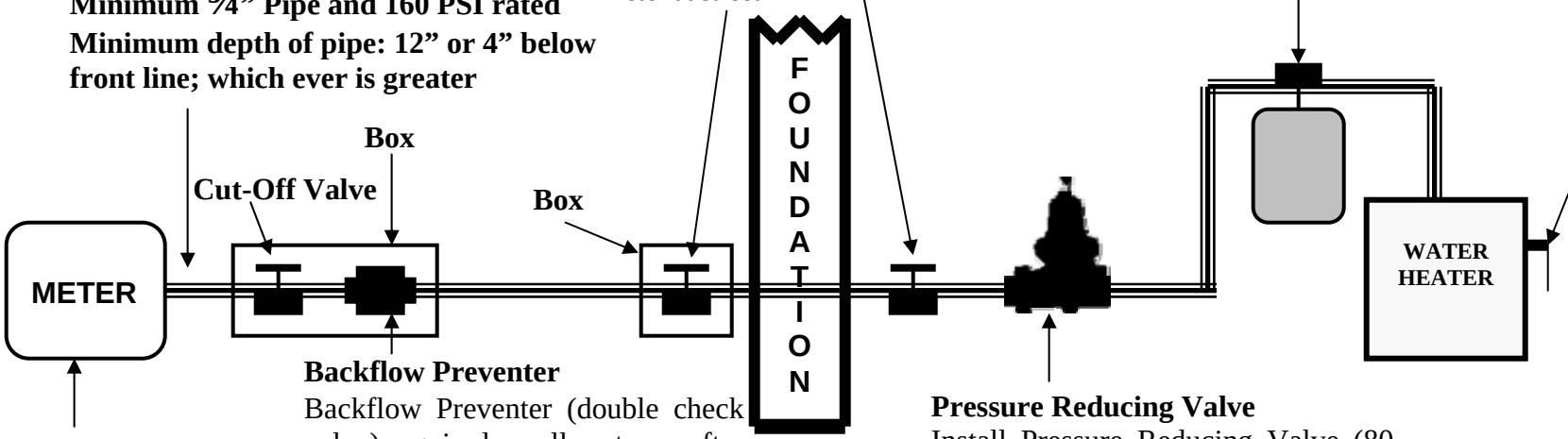
Cut-Off
(Only 1 Required)

Cut-Off within 2' of the building or within 3' inside crawlspace from access door and one first fitting out of meter at street

Thermal Expansion Tank

Install thermal expansion tank on cold water side of system.

Minimum ¾" Pipe and 160 PSI rated
Minimum depth of pipe: 12" or 4" below front line; which ever is greater



Temperature & Pressure Relief Valve

Backflow Preventer

Backflow Preventer (double check valve) required on all systems, after the meter and the cut-off valve as near the street as possible (Equal to or better than Watts #7 for residential).

Pressure Reducing Valve

Install Pressure Reducing Valve (80 PSI excessive by code). There are times this system could exceed 80 PSI low-use hours