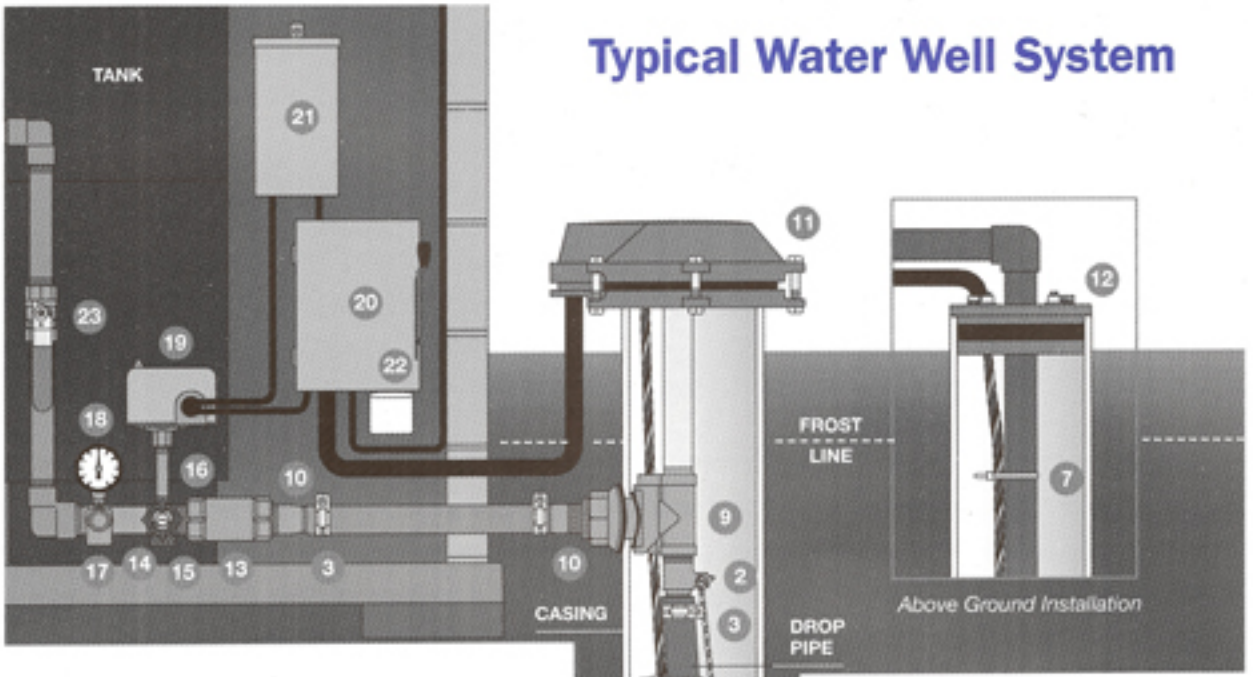
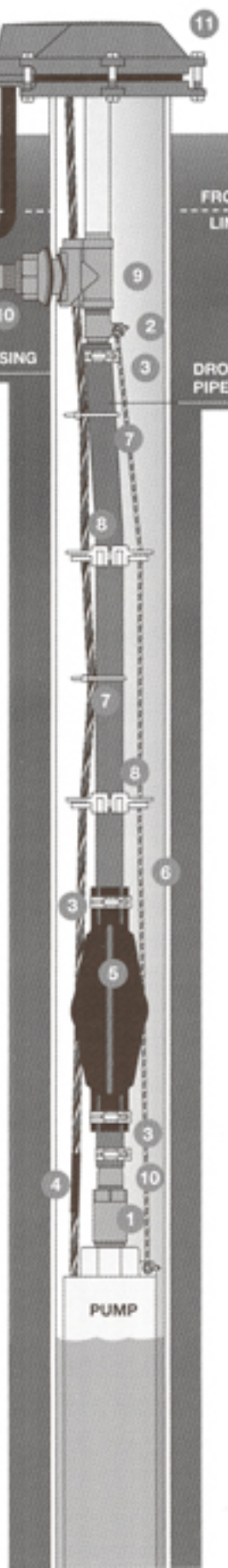
Typical Water Well System





(1) Check Valve
Located at the top of the pump to prevent backflow into the pump and hold the head of water in the system.

(2) Brass Rope Adapter
Connects the Pitless Adapter and Submersible Pump with Safety Rope.

(3) Ideal Clamps
Provide connections between Pipe and Insert Fittings or Torque Arrestor.

(4) Heat Shrink Splice Kit
Enables waterproof electric cable splices in submersible pump installations.

(5) Torque Arrestor
Installed directly above Submersible Pump to protect pump and well components from starting torque damage.

(6) Safety Rope
A safety line from the top of the well to the pump.

(7) Cable Tie
Fastens cable to drop pipe.

(8) Cable Guard
Protects submersible cable wires from abrading against sides of well.

(9) Pitless Adapter
Provides a watertight sanitary removable connection between pump and house. Installed in casing below the frost line to prevent freezing.

(10) Brass Insert Fitting
Connects poly pipe and pipe thread of Pipeless Adapter.

(11) Watertight Well Cap
Provides a watertight seal when its inner gasket compresses to outside diameter of casing. Top of cap removes easily to access well for service.

(12) Well Seal
Provides a positive seal inside casing in above-ground installations.

(13) Check Valve
Installed near the tank inlet to hold water in the tank during pump installation when the pump is idle.

(14) Tank Tee
Connects water line from pump to pressure tank and service line from tank to house. Taps are provided to accept Pressure Switch, Pressure Gauge, Drain Valve, Relief Valve, Snifter Valve, etc.

(15) Drain Valve
Promotes easy draining of the system.

(16) Brass Nipple
Male threads allow attachment of Pressure Switch to Tank Tee.

(17) Relief Valve
Protects against pressure build-up. Should be used on any system where the pump could develop pressure that exceeds the maximum system rating.

(18) Pressure Gauge
Measures water pressure in Pressure Tank.

(19) Pressure Switch
Signals the pump to start when the water system drops to a pre-set low pressure, and to stop when the high-pressure mark is reached.

(20) Safety Switch
For electric control and distribution to the pump.

(21) Pump Saver
Adjustable, solid state control monitors system load conditions to protect pump motor from dry well, flow loss, rapid cycling, slow recovery, air lock and locked rotor problems.

(22) Lightning Arrestor
Protects pump motor and controls from voltage surges caused by lightning, switching loads and powerline interference.

(23) Ball Valve
Acts as a shutoff valve on the supply line from tank to house.