### Diagram Elements

1. **Check Valve**
   Located at the top of the pump to prevent back flow into pump and hold the head of water in the system.

2. **Torque Arrestor**
   Installed directly above Submersible Pump to protect pump and well components from starting torque damage.

3. **Safety Rope**
   A safety line from the top of the well to the pump.

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

5. **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.

6. **Well Seal**
   Provides a positive seal inside casing in above-ground installations.

7. **Check Valve**
   Installed near the tank inlet to hold water in the tank during pump installation when the pump is idle.

8. **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, Sniffer Valve, etc.

9. **Drain Valve**
   Drain easy draining of the system.

10. **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.

11. **Pressure Gauge**
    Measures water pressure in Pressure Tank.

12. **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.

13. **Safety Switch**
    For electric control and distribution to the pump.

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

15. **Lightning Arrestor**
    Protects pump motor and controls from voltage surges caused by lightning, switching loads and power line interference.

16. **Ball Valve**
    Acts as a shutoff valve on the supply line from tank to house.

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**Clean Water Store**

Have questions? Call us at 888-600-5427 and speak with one of our WQA Certified Master Water Specialists. Visit us online [www.CleanWaterStore.com](http://www.CleanWaterStore.com). Email us at [info@cleanwaterstore.com](mailto:info@cleanwaterstore.com)