

LORENTZ Well Set up

Placement Order (From the Top of the Well to the Pump Connection)

1. **Well Seal** – Secures the wellhead and prevents contaminants from entering.
2. **Drop Pipe** – Runs from the well seal down to the pump.
3. **Submersible Pump** – Positioned at the appropriate depth inside the well.
4. **Rising Main Pipe** – Carries water from the pump up to the wellhead.
5. **Check Valve (at the Pump Outlet)** – Prevents water from flowing back into the well.
6. **T-Fitting (Near the Wellhead, After the Check Valve)** – This is where the **Liquid Pressure Sensor** is installed.
7. **Shut-Off Valve (After the Sensor and T-Fitting)** – Used for maintenance and flow control.
8. **Pipeline to Storage or Distribution System** – Carries pressurized water to tanks, troughs, or other destinations.

Key Installation Points:

- The **pressure sensor must be installed after the check valve** to ensure it accurately reads system pressure and not well pressure.
- The **T-fitting** is the ideal mounting point, allowing pressure readings without restricting flow.
- The **shut-off valve should be downstream** of the sensor to allow isolation during maintenance.
- Ensure all connections are watertight and protect wiring from exposure to the elements.

This setup ensures accurate pressure readings, proper pump control, and reliable system performance. Let me know if you need any refinements!