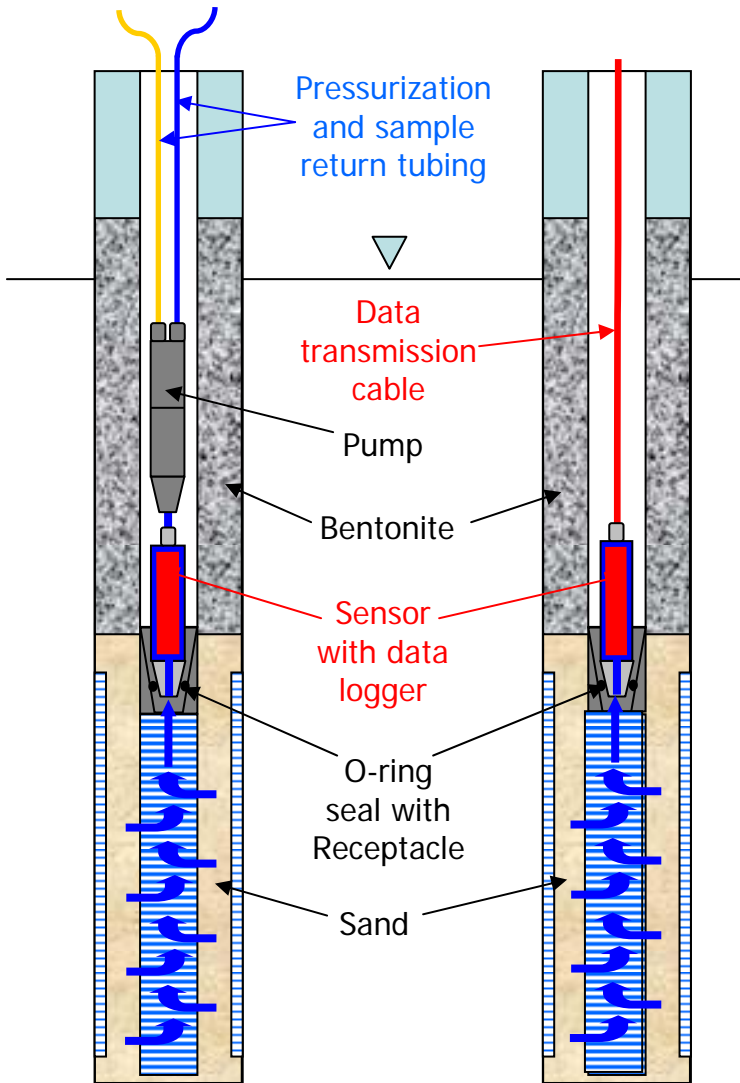


Zone Isolation Technologies ZIST™ Sensor Integration System



BESST's ZIST™ (patent pending) is a newly developed groundwater sampling system for isolating the well screen, eliminating drawdown, and reducing purge volume.

While intelligently designed for low-flow sampling, ZIST™ can integrate various sensor technologies for pressure and chemistry in groundwater monitoring.

Sensors placed in-line with the ZIST™ pump create a down-hole flow cell when the pump is operating. When the pump is not operating, the sensor detects parameters under static conditions in the Well Screen and groundwater formation only.

Electronic down-hole sensors with data loggers, or fiber optic sensors, are integrated with ZIST™ Wells for pore pressure, temperature, conductivity, and other monitoring. Only parameters within the Well Screen and formation are monitored. Riser pipe water does not come into contact with the sensors.

ZIST™ Features

- The pump docks with the receptacle and does not sample water from the riser pipe above the receptacle.
- Drawdown does not need to be monitored.
- The pump can easily be removed from the well for maintenance or use of other monitoring devices.



ZIST™ Can Be Easily Integrated into 3/4-Inch, 1-Inch, 2-inch, 4-Inch and Any Other Well Diameter.

2 inch Receptacle filled with water by ZIST™