

HydroBooster™ Deep Well Purging and Sampling

BESST HydroBooster systems provide the most cost effective and reliable low-flow purging system in the industry for deep monitoring applications between 100 feet and 3000 feet. HydroBoosters can be dedicated to monitoring wells, or moved from well to well as a mobile system. BESST also provides purging and sampling with the HydroBooster as a service.

HB for Deep Well Applications

The HydroBooster is used for sampling deep monitoring wells, including Westbay™ wells to enhance purging and sampling capabilities. HydroBoosters quickly and effectively remove old, non-representative water from wells and draw in fresh formation water for sampling.

HydroBoosters may be operated with timer control units, allowing for automated “walk-away” operation. Depending on groundwater formations, typical HydroBooster purge rates are between 20 and 40 liters per hour.

Options

- Fiber Optic Sensors for continuous data logging
- Automated timers
- Solar panels in remote locations for long-term projects
- Single or straddle packers



BESST HydroBooster Timer Control Unit.



HydroBooster in Westbay™ MP 38 at NASA JPL site.



Dedicated 2-Zone HydroBooster at DOE Los Alamos National Lab.



HydroBooster sampling a production well without removing production well pump.

Three HydroBoosters are delivered to NASA JPL site for purging Westbay™ MP 38 wells.



Examples of HydroBooster Applications

- Deep Well Sampling at DOE Nevada Test Site for Radionuclides to 2,520 feet (768 m).
- Deep Westbay™ sampling at DOE Los Alamos National Laboratory inside Westbay™ Well to 1,204 feet (378 m) for VOCs and radionuclides.
- Deep Westbay™ sampling at NASA Jet Propulsion Laboratory (JPL) for perchlorate contamination 660 feet (201 m).
- Deep water production wells throughout U.S.