# Herculan ConstaBoost™ Static Storage Systems

**● Overcome very low pressure, undersized or intermittent water service ● Great performance from Low Yield Wells ● Eliminates competition and provides consistent pressure in Well Shares ● Many sizes & shapes to fit tight spaces**

Tank sizes in gallons normally in stock: 95, 160,165, 210, 220. Other tank sizes available including 315, 425 Slim tanks and others - ask

The pump delivery rate of your choice in a PumpChamber™ or our new ½ HP end suction pump installed inside the tank you order. Factory wired and tested.

Consistent Pressure Module controls the delivery pump, regulates pressure and eliminates air from PumpChamber™ when used


Model shown SSPB-160WS50-LPCEF
28" Diameter system goes through small doors

- Easy to install – manual included
- Fully automatic
- Electric fill shut off with meter to set fill rate
- Low water cut off protects delivery pump
- Delivers consistent pressure
- Expand building or section of building using undersized water service
- Deliver needed flow rate to intermittent uses from undersized lines & systems
- Restore plumbing performance lost to undersized or elaborate water treatment
- Restore full service to buildings with intermittent water supply. Works in open or closed systems
- Provide retention time for treatment
- Vented tank can be used for odor treatment
- When used with low yield well flow control on tank inlet prevents over pumping of well.
- Use as local storage for a Distributed Storage System or Well Share
- Tanks made of HDPE resin meeting FDA regulation 21 CFR 177.1520 © 3.1 & 3.2
- Level controls NSF 61
- Pipe & fittings NSF 61
- Check & Cycle Stop of Low Lead Brass
- Pump contains no brass

Sold By:

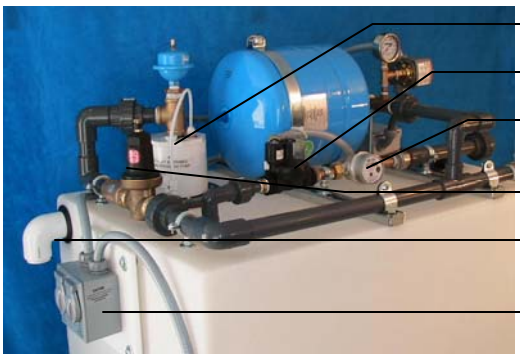

Reid Plumbing Products, LLC
371 Route 31N, Hopewell, NJ 08525
800-211-8070 Outside the US 609-466-4347
www.wellmanager.com

***"The water you need***
***The performance you want"***

## Save Money on Treatment Equipment or Regain Performance Lost to Undersized Equipment.

Often plumbing performance is seriously degraded when several pieces of water treatment equipment are installed. Sometimes it is because the equipment was not sized for the proper flow rate and sometimes it is because the treatment cannot be done at high flow rates. A Herculan ConstaBoost™ Static Storage System will restore plumbing performance when incoming flow rates are inadequate for any reason.

Many customers have used this equipment to save money on treatment equipment knowing that the installation of an HCB system after the equipment would restore plumbing performance. For example, remove radon or arsenic with a 5 gpm system or use a less expensive UV system installed on the inlet of an HCB and still get good gpm peak demand flow rates at consistent pressure to the plumbing.



Model shown: SSPB-210WSV 50-EF

- Patented PumpChamber™ makes most of stored water usable
- Electric solenoid fill has fill rate adjustment stem and manual activation lever.
- Built in water meter shows even smallest water movement. Use to set fill rate, verify solenoid fill shuts off completely and keep track of water use
- Cycle Stop® Valve provides consistent pressure
- 1 ½" Over flow must be piped to drain, sump or other area where water can do no harm
- Water proof electrical disconnect for pump and fill circuits

### Single Well

A well of moderate yield can be used to supply a large home or even an irrigation system with much less storage than you might imagine. With the tank fill rate restricted to less than the well yield the well is protected from the damage caused by over pumping while the plumbing connected to the output side of the system benefits from high flows at consistent pressure so you would think you were connected to city water. It is possible to run high volume showers, use several bathrooms at the same time or even operate a properly designed irrigation system using a well that would be inadequate using a standard pump/pressure tank system.

### Well Share

These arrangements can become a problem, particularly when well yield is barely or less than adequate. A running toilet, stuck stock tank fill or loss of control at any outlet can result in an empty well and everyone out of water.

If each home on the well share has a Herculan ConstaBoost Static Storage System with the fill rate restricted to their share of the water nobody can empty the well. If a toilet runs at their house, their tank could be pumped empty but the well will not be affected, other users will still have water and there will be water to refill the empty tank once the problem is fixed. Built in water meter reveals abusers.

If others on the well share are not interested in an HCB, a single user can install one. The well can still be emptied by someone else's negligence but the family with the HCB will still have water long after everyone else has run out.

### Community Well Systems

Community well systems may have many homes connected. Any well can be affected by drought or competition from other wells so well yield can change. In addition the peak demand need of the system can change depending on the number and age of people who live in the community and by changing times.

Homes that are remodeled are likely to have water saving toilets, faucets and even clothes washers but there is also the possibility that the master bath shower will have body sprays and multiple shower heads. The net result could be a higher required peak demand flow rate so a system that once provided adequate peak demand pressure may not be doing so now.

If well yield has been affected by increased development in the area or drought, the well may be over pumped frequently. Over pumping can strain the well pump and damage the well, further diminishing its yield.

When an HCB System with restricted fill is installed in one of the homes on a Community Well System, strain on the system is reduced and system storage increases. If a 210 gallon HCB were installed in each of 15 houses on such a system the result would add 3,150 gallons of distributed storage and 150 gallons per minute or more of peak demand delivery capacity.

In this way, it is possible to convert a Community Well System that cannot now meet peak demand flow requirements into one that can, even with the addition of several more homes!

| Pump Installed | Delivery Rates at Outlet of CP Models | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | @35 PSI | @40 PSI | @45 PSI | @50 PSI | @55 PSI | @60 PSI | @65 PSI | @68 PSI | @72 PSI | @75 PSI | @80 PSI |
| ½ HP 10 GPM | 13 | 12.5 | 12 | 11.0 | 9.0 | 8.0 | 4.25 | 1.5 | Off | | |
| ¾ HP 10 GPM | 14 | 13.5 | 13 | 12.5 | 12 | 10.5 | 7.0 | 1.5 | Off | | |
| 1 HP 10 GPM | 14.5 | 14.2 | 14 | 13.5 | 13 | 12 | 7.5 | 1.5 | Off | | |
| 1 HP 20 GPM | 23.0 | 23.0 | 22.5 | 20.0 | 18.0 | 13.0 | 8.0 | 4.0 | | 1.5 | Off |
| 1.5 HP 20 GPM | 27.0 | 26.0 | 25.0 | 24.0 | 21.0 | 19.0 | 13.5 | 1.5 | Off | | |