

Herculan ConstaBoost™ Storage Systems

- Overcome low pressure, undersized or intermittent water service
- Regain pressure lost to undersized treatment equipment
- Great performance from Low Yield Wells or Springs

SSPB-210WSV available with electric fill
SSPB-210LFV without fill controls

- Complete, fully automatic Turn Key System
- More water in less space through 24" doors
- Increase storage by connecting several tanks using specially designed frames
- Comprehensive manual included
- -EF models have electric solenoid valve controlled fill with manual activation feature
- Low water cut off protects delivery pump
- Quietly delivers consistent pressure
- Deliver needed flow rate to intermittent uses from undersized lines & systems
- Restore full service to buildings with intermittent water supply.
- Works in open or closed systems
- Optional Spray Boom to remove Radon, Hydrogen Sulfide and other gases from well water
- When -EF models are used with low yield well adjustable fill rate controls over pumping of well
- In Community well systems -EF models' restricted fill rate relieves strain on community well and pump.
- -LPC Models use an end suction pump instead of a PumpChamber but are available in ½ HP Only.
- Tanks made of LLDPE resin meeting FDA regulation 21 CFR 177.1520 © 3.1 & 3.2
- Level controls NSF 61 compliant
- CycleStop Valve is Stainless Steel
- Check valves and fittings are 304 SS on RO systems
- Pump is stainless steel and synthetic materials
- Use with chemical feed systems to adjust pH, disinfect, etc
- Use with whole house RO system or any time you need a repressurizer



Tank footprint is 23.5"x37" At frames 27.25"x40"Ht is 74"
Shown is repressurizer for well or city water
Systems for RO storage have stainless steel fittings

Sold By:

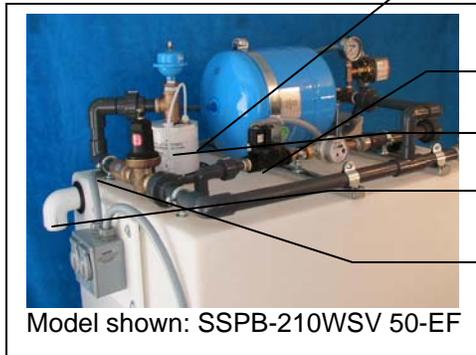
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***"The water you need
The performance you want"***

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

Plumbing performance can be 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 Herculon ConstaBoost™ 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 peak demand flow rates at consistent pressure.

This unit also makes a great storage and repressurizer for use with whole house R.O. or any other system that deposits treated water in an unpressurized tank.



Model shown: SSPB-210WSV 50-EF

Patented PumpChamber™ makes most of stored water usable.
-LPC Models use end suction pump instead of PumpChamber™

-EF models: Electric solenoid fill has fill rate adjustment stem and manual

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 -EF models also have a switch for the tank fill circuit

Single Well: A well of moderate yield can be used to supply a large home or even an irrigation system with 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.

Springs and Flowing Wells: An HCB can turn a gravity spring system into one that produces wonderful pressure or turn a flowing well – even one with modest yield - into a great system to capture water that would normally flow away and be lost – often without the use of a well pump.

Well Share: These arrangements can become a problem when well yield is barely or less than adequate. A running toilet 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 Herculon 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. Well output can diminish for many reasons or 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 peak demand flow rate requirement 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 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!

These systems can do wonders whenever the community system delivery pressure is less than required, even in cases where service is intermittent. Systems are available in single tank sizes that hold 160 to 425 gallons and will fit through a door. Larger storage capacities can be provided by adding tanks.

Delivery Rates at Outlet of CP Models

Pump Installed	@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 DOM	12.0	12.0	11.2	10.2	8.5	6.0	2.5	1.5	Off		
½ HP 20 GPM DOM	18.0	16.0	13.0	9.0	6.0	2.75	Off				
1 HP 20 GPM	23.0	23.0	22.5	20.0	18.0	13.0	8.0	4.0		1.5	Off

Also available with Constant Pressure VFD Controlled pumps with higher single pump delivery rates, two similar systems connected together doubles delivery rates shown