

# Management/Storage/Delivery Systems for Domestic Fire Sprinklers

- New Design • More Storage in Less Space • Through Narrower Doors
- Turn Key Systems • Impressive Performance • Obvious Quality



System above is a WM210CPV-100-20 Well Manager® coupled with an SSPB210WSVLF-100-20 Herculan ConstaBoost Storage System™ working together to deliver 40 gpm @50 psi using a 2 gpm well. System has two delivery pumps that alternate at each start & a lead/lag setup that brings the 2<sup>nd</sup> pump on when 1<sup>st</sup> can't keep up. Higher flow rates available

## Install Home Fire Sprinklers Using an inadequate well!

- ✓ Complete Turn-key systems
- ✓ Well Manager® controlled systems manage water harvesting from one or more wells
- ✓ Protects the well & pressure pumps
- ✓ Provides expandable storage
- ✓ Uses your existing well pump
- ✓ Easy to install slide into place, pipe inlet, outlet, make wiring connections and turn it on
- ✓ Provide Consistent Pressure
- ✓ Pumps inside tanks quieter than centrifugals
- ✓ Available with multiple pumps for redundancy
- ✓ Alternating Lead/lag systems available
- ✓ VFD Pumps Available
- ✓ Delivery pump(s) won't become inoperative due to lack of use without owner knowing as they supply both fire and domestic water needs
- ✓ Rectangular Storage Tanks of PE resin meeting FDA regulation 21 CFR 177.1520 © 3.1 & 3.2, for potable water storage
- ✓ Tank air vents filtered
- ✓ Compact Units will fit through 24" door with metal support frame removed – tank is 23 ½" wide
- ✓ Tanks come with everything installed on them:
  - System Controls are UL/cUL Listed
  - All penetrations water tight
  - Low water cut off protects PumpChamber™
  - Everything can be unbolted from tank
  - Tank level controls pass NSF 61
  - Optional Stop Loss control prevents draining fire storage
  - Delivery Pump sized to your need in our patented PumpChamber™ mounted vertically inside tank
  - Automatic Air Eliminator for PumpChamber
  - Overfill Shutoff stops overflows
  - Inlet & outlet connections sized for flow
- ✓ All field wiring by wire nut in one box
- ✓ Service or replace pump without draining or opening tank – overhead clearance permitting
- ✓ Installation, set up and maintenance Manual

Available Through:

### N C Water Management

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Well Manager® Systems are protected by  
US Pat 6077044 & Canadian Patent 2257743  
Well Manager® & Herculan ConstaBoost are protected  
by US patent 6682309  
Made in the USA by Reid Plumbing Products, LLC Hopewell, NJ  
800-211-8070 from US and Canada. Outside the US +1 609-466-4347  
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## Expandable Storage & Delivery System

As shown this system stores 630 gallons and delivers 60 gpm @ 50 psi.

This system can use an inadequate water service or well and power a large intermittent use and/or Domestic Fire Sprinkler System. The control operates up to four SSPB210WSV100-20EF Herculon ConstaBoost™ Systems which would produce 80 gpm @ 50 psi when all 4 HCBs are installed. The control picks a different pump as lead at each start and turns other pumps off and on as demand increases or declines. System reports pump overload and other failures. Telephone speech auto-dialers available to report many parameter problems including individual motor failure, low water, low pressure, activation of the fire system, etc.



Move components through a 24" door & assemble a large system with limited floor space

## Example of Systems Available

**SSPB-210WSV100-150VFD-EF:** One 1 HP 20 gpm 3 ph pump controlled by a Variable Frequency Drive. This system will maintain 22 gpm @70 psi and tapers off to **50 PSI @ 30 gpm**. Is very quiet - Add as many storage tanks as necessary to get the storage you need

**Two SSPB-210WSV100-20-EF:** each with a 1 hp 20 gpm single phase pump to produce **40 gpm @ 50 psi** with additional tanks as necessary

**Two SSPB-210WSV100-150VFD-EF:** Connect the VFD controllers together and get consistent pressure of 70 psi at delivery rates of 1-44 gpm and **60 gpm @ 50 PSI** with alternating lead at very low noise levels.

## Modular Approach with Specialized Controls Produces Amazing Results

Water supply problems can be among the most difficult to solve when the need seems to exceed the supply. Often this difference can be resolved by managing the source and by providing some storage. These principals can be used for high peak demand uses like landscape irrigation, high intermittent domestic flow rates and for Domestic (home) Fire Systems that require water for a limited duration. Whether the problem is a limited source or limited water rights, there is an engineered solution that will do more with the water you have.

For example, run a 7 bath house with custom shower and 24 zones of landscape irrigation on a 4 gpm well; operate a private resort designed for 18 visitors that has 2 lodges with Domestic Fire Sprinklers, a private bath for each room and landscape irrigation on a 4 gpm well; operate a community water system with two 15 gpm wells and supply fire hydrants and 30-60 homes or more.

Reid Plumbing Products LLC specializes in water supply problems and has ready made solutions available. These solutions are available in North America through our dealers or factory direct in areas where there is no dealer.

**When the code requires Fire Sprinkler for new home construction and the well does not seem adequate** it is often possible to use a single system that will improve domestic plumbing performance and provide for a Domestic Fire Sprinkler System at the same time. Since these systems use the same delivery pump(s) for potable and fire supply there is no need to test the fire pump regularly to insure it will be working when needed. Pump failure is revealed immediately by lack of water for the plumbing or by alarm in multiple pump systems with that feature. Automatic speech dialers are available to report various system problems or Fire System activation and all of the Well Manager® controlled systems have automatic over fill protection to prevent tank over flows. System can be ordered with a Stop Loss Control which shuts off domestic use if tank levels fall low enough to endanger fire storage.

**Pre-engineered systems are available for water treatment, irrigation, community well systems, well share arrangements, multiple source management, rainwater and many other uses.**