



As Seen On



# WELL-X-TROL® Professional Pre-Pressurized Water System Tanks

# Well-X-Trol® Professional revolutionized the industry

Well-X-Trol® redefined the industry in 1963 with the first pre-pressurized diaphragm well tank; featuring innovation elements like a sealed air charge and corrosion-proof water reservoir. With proven performance for nearly five decades, Well-X-Trol Professional remains the industry's most trusted brand, continuing to deliver unparalleled reliability. Well-X-Trol Professional offers unique design features that provide consistent performance while promoting pump longevity and reduced energy use.

## Features and Benefits



Exclusive butyl diaphragm, along with the 100% corrosion-proof virgin polypropylene liner, are secured by a positive hoop ring seal for added strength and reliability. This totally integrated system outperforms other types of water chamber designs. The plated steel air valve is welded rather than threaded to prevent loss of air pressure. The finest quality, custom mill steel is used in the deep drawn dome for extra strength while keeping tank weight to a minimum.

## More choices mean more flexibility

Well-X-Trol Professional offers more options and sizes than any other well tank manufacturer, including both vertical and horizontal designs, and sizes ranging from 2 gallons to 119 gallons so you can configure a system that's right for any application.

## First in Industry Safety Standards

Well-X-Trol Professional tanks were the first to meet all industry standards for quality and safety. The butyl diaphragm in all models meets EPA requirements for potable water as defined in the Safe Drinking Water Act of 1986. All parts, including the polypropylene liner, butyl diaphragm, and stainless acceptance fittings are listed by NSF® International Standard 61.



# Advanced design features continue to set industry standards

- Welded air valve is permanently attached rather than mechanically threaded to prevent loss of air pressure and to minimize stress on the well's pump system. It also carries a tamper-evident warning label.
- Deep-drawn steel domes offer twice the strength of rolled steel while minimizing weight.
- Unique positive hoop ring seal secures diaphragm and liner for added strength and reliability.
- Heavy duty butyl diaphragm is the thickest in the industry and features seamless construction for uniform strength and flexibility. It conforms exactly to the shell configuration without stretching, creasing, or forming bubbles or corners that could trap water or sediment. Butyl is the best known elastomer to prevent air loss.
- Heavy duty butyl diaphragm is extremely resistant to bacterial growth and meets FDA requirements for potable water supply.
- Polypropylene liner provides a 100% corrosion resistant, non-metallic rigid water reservoir that is listed by NSF® International Standard 61.
- Stainless-steel system connection withstands aggressive water.
- Exclusive welding process eliminates interior rough spots and sharp edges that can damage the diaphragm and liner.
- Each finished tank is pressure tested for safety.
- Each finished tank is pre-pressurized to the most common pump cut-in pressure.
- Exterior appliance-like finish looks attractive while protecting the tank from the elements.



Dome



Hoop



Diaphragm



Liner



Dome

Stainless-steel System Connection



Stand

# esp (Effective System Protection): maximum system output with minimal pump starts

The ESP sizing procedure covers modern residential water-use habits, increased off-peak demands and the general increase in water use that have occurred over the past twenty-five years.

ESP sizing is designed to reduce pump wear and tear, and reduce energy consumption by keeping pump starts to a minimum.

## Choose the amount of protection you need.

**ESP I:** Tank selection is based on approximately one minute minimum pump running time. This is recommended for pumps up to 3/4 H.P.

**ESP II:** Tank selection is based on approximately two minute minimum pump running time. This is recommended for 3/4 H.P. or larger pumps.

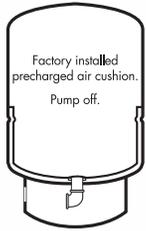


ESP Sizing Table						
PUMP DISCHARGE RATE GPM (Approx.)	PRESSURE SWITCH OPERATING RANGE - PSIG					
	20/40	ESP I		ESP II		
		30/50	40/60	20/40	30/50	40/60
5	WX-202	WX-202	WX-202	WX-203	WX-205	WX-205
7	WX-202	WX-202XL	WX-203	WX-205	WX-250	WX-251
10	WX-203	WX-205	WX-205	WX-251	WX-251	WX-255
12	WX-205	WX-250	WX-250	WX-251	WX-255	WX-255
15	WX-250	WX-250	WX-251	WX-255	WX-302	WX-350
20	WX-251	WX-251	WX-255	WX-350	WX-350	(2) WX-255
25	WX-251	WX-255	WX-302	(2) WX-251	(2) WX-255	(2) WX-302
30	WX-255	WX-302	WX-350	(2) WX-255	(2) WX-302	(2) WX-350
35	WX-302	WX-350	WX-350	(2) WX-302	(2) WX-350	(2) WX-350
40	WX-350	WX-350	(2) WX-255	(2) WX-350	(2) WX-350	(3) WX-302

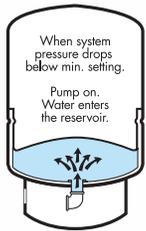
# Well-X-Trol® Professional

## tank operation

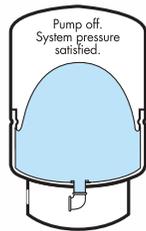
## time tested design



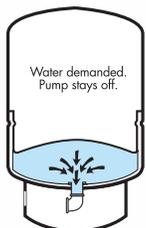
Well-X-Trol Professional has a sealed in air chamber that is pre-pressurized before it leaves our factory. Air and water do not mix.



When the pump starts, water enters the Well-X-Trol Professional. Only usable water is stored.



When the pressure in the chamber reaches cut-out pressure, the pump stops. The Well-X-Trol Professional is filled.

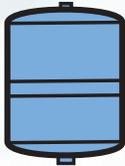


When water is demanded, pressure in the air chamber forces water into the system. Since Well-X-Trol Professional consistently delivers the maximum usable water, minimum pump starts are assured.



# Well-X-Trol® Professional residential models

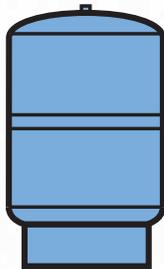
## In-Line Models



Model No.	Dimensions		Total Volume (gals)	Max. Accept. Factor	System Drawdown			Shipping Wt. (Vol.) lbs (cu ft)
	Diameter (ins)	Height (ins)			20/40 (gals)	30/50 (gals)	40/60 (gals)	
WX-101	8	12 5/8	2.0	0.45	.8	.7	.6	5 (0.6)
WX-102	11	15	4.4	0.55	1.8	1.5	1.3	9 (1.2)
WX-103	11	22 1/4	7.6	0.42	3.1	2.6	2.2	15 (1.8)
WX-104	15 3/8	17 3/4	10.3	1.00	4.1	3.5	3.0	20 (2.6)
WX-200	15 3/8	22	14.0	0.81	5.6	4.8	4.1	22 (3.3)

Precharge Pressure for WX-101 & WX-102 is 18 PSIG and Sys. Conn. is 3/4" NPTM.  
 Precharge Pressure for WX-103 is 28 PSIG and Sys. Conn. is 3/4" NPTM.  
 Precharge Pressure for WX-104 and WX-200 is 38 PSIG and Sys. Conn. is 1" NPTM.  
 Maximum Working Pressure is 125 PSIG and Maximum Working Temperature is 200° F.  
 WX-101 and WX-102 models available with Ultra TUF-KOTE™ exterior coating option.

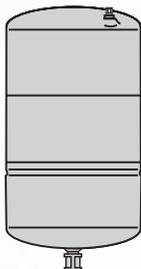
## Stand Models



Model No.	Dimensions		Total Volume (gals)	Max. Accept. Factor	System Drawdown			Shipping Wt. (Vol.) lbs (cu ft)
	Diameter (ins)	Height (ins)			20/40 (gals)	30/50 (gals)	40/60 (gals)	
WX-104-S	15 3/8	19 1/4	10.3	1.00	4.1	3.5	3.0	23
WX-201	15 3/8	25 1/8	14.0	0.81	5.6	4.8	4.1	25
WX-202	15 3/8	31 5/8	20.0	0.57	8.0	6.8	5.9	33
WX-202XL	15 3/8	38 1/4	26.0	0.44	10.5	8.8	7.6	36
WX-203	15 3/8	46 1/2	32.0	0.35	—	10.9	9.4	43
WX-205	22	29 5/8	34.0	1.00	13.7	11.6	10.0	61
WX-250	22	36	44.0	0.77	17.7	15.0	12.9	69
WX-251	22	46 3/4	62.0	0.55	24.9	21.1	18.2	92
WX-255	22	56 3/8	81.0	0.41	32.6	27.5	23.8	103
WX-252	22	62 1/4	86.0	0.39	34.6	29.2	25.3	114
WX-302	26	47 1/4	86.0	0.54	34.6	29.2	25.3	123
WX-350	26	61 7/8	119.0	0.39	43.6	40.5	35	166

Precharge Pressure for WX-104-S thru WX-203 is 38 PSIG and Sys. Conn. is 1" NPTF.  
 Precharge Pressure for WX-205 thru WX-350 is 38 PSIG and Sys. Conn. is 1 1/4" NPTF.  
 Maximum Working Temperature is 200° F. Maximum Working Pressure for all models except WX-252 is 125 PSIG.  
 Maximum Working Pressure for WX-252 is 100 PSIG.  
 All models available with Ultra TUF-KOTE™ except WX-104-S, WX-201, and WX-252.  
 All models except, WX-104S, WX-201, WX-252 are available with Pro-Access.

## Underground Models



Model No.	Dimensions		Total Volume (gals)	Max. Accept. Factor	System Drawdown			Shipping Wt. (Vol.) lbs (cu ft)
	Diameter (ins)	Height (ins)			20/40 (gals)	30/50 (gals)	40/60 (gals)	
WX-200-UG	15 3/8	22	14.0	0.81	5.6	4.8	4.1	22
WX-202-UG	15 3/8	30	20.0	0.57	8.0	6.8	5.9	30 (4.9)
WX-250-UG	22	33 3/8	44.0	0.77	17.7	15.0	13.0	60 (9.8)
WX-251-UG	22	44 1/8	62.0	0.55	24.9	21.1	15.3	83 (13.9)

Precharge Pressure for WX-202-UG is 38 PSIG and Sys. Conn. is 1" NPTF Coupling.  
 Precharge Pressure for WX-205-UG and WX-251-UG is 38 PSIG and Sys. Conn. is 1 1/4" NPTF Coupling.  
 Maximum Working Pressure is 125 PSIG and Maximum Working Temperature is 200° F.

# Well-X-Trol® Professional specialty residential models

## Pump Stand Models

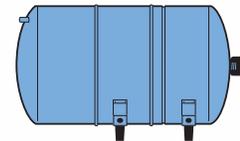
Model No.	Height (ins)	Dimensions			Total Volume (gals)	Max. Accept. Factor	System Drawdown			Shipping Wt. (Vol.) lbs (cu ft)
		Width (ins)	Length (ins)				20/40 (gals)	30/50 (gals)	40/60 (gals)	
WX-105-PS	11	10 9/16	18 1/4	5.3	0.80	2.1	1.8	1.6	13 (1.5)	
WX-200-PS	16	15 3/8	20 7/8	14.0	0.81	5.6	4.8	4.1	29 (4.0)	
WX-102-PS*	12 1/2	9 1/4	14 1/4	4.4	0.55	1.8	1.5	1.3	13 (1.4)	



Precharge Pressure is 18 PSIG and Sys. Conn. is 3/4" NPTM Fitting for 102-PS and 105-PS; and 1" NPTF Coupling for 200-PS.  
Precharge Pressure for WX-200-PS is 28 PSIG.  
Maximum Working Pressure is 125 PSIG and Maximum Working Temperature is 200° F.  
\*WX-102-PS includes Universal VFD Mounting Bracket.

## Space Saver Model

Model No.	Height (ins)	Dimensions			Total Volume (gals)	Max. Accept. Factor	System Drawdown			Shipping Wt. (Vol.) lbs (cu ft)
		Width (ins)	Length (ins)				20/40 (gals)	30/50 (gals)	40/60 (gals)	
WX-202-H	28 5/8	15 3/8	15 1/4	20.0	0.57	8.0	6.8	5.9	33 (4.9)	



Precharge Pressure is 38 PSIG. System connection is 1" NPTF (straight coupling connection).  
Maximum Working Pressure is 125 PSIG. Maximum Working Temperature is 200° F.

## Specialty Options

### Ultra TUF-KOTE™

A new improved paint finish available only on WELL-X-TROL tanks. This new paint has been re-formulated for outdoor applications where acids, salts and moisture can harm regular paint. It is crack proof and impermeable to moisture.

### PRO Access®

PRO Access® Stainless Steel System Connection piped through the stand is available on most WELL-X-TROL models. Indicate PRO Access when ordering.



# Well Above The Rest™

New for 2009, AMTROL is proud to introduce the Well Above The Rest™ Program. Not all well tanks are created equal, and we're ready to demonstrate the value, features, and benefits that have proven Well-X-Trol® as the most trusted well tank for generations.

To learn more about the Well Above The Rest Program, contact your local representative or visit [www.amtrol.com/wellabovetherest.htm](http://www.amtrol.com/wellabovetherest.htm) to learn more.



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NSF/ANSI 61



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US English