



# WELLXTROL®

Next Generation Well Tanks &  
Constant Pressure Systems



Well Above The Rest®



# WELLXTROL®

AMTROL Inc. has a long tradition of innovative product design, uncompromisingly high quality and outstanding customer service. Well-X-Trol has been the industry's most trusted brand of well tanks for over 45 years. Today, AMTROL is proud to introduce the Next Generation of well tanks featuring higher performance and the industry's only 7 year warranty. All Well-X-Trol tanks are Made in the USA at our ISO 9001:2008 registered facilities. The Best Just Got Better.



American Tube Products founded in West Warwick, Rhode Island

1946



1963

Invented the pre-pressurized well tank

1980

Invented the indirect fired water heater



1992

AMTROL registered ISO 9001



2005

Invented composite metal LP tank



AMTROL registered ISO 9001:2008



2009



20 millionth well tank shipped

1 millionth composite metal tank shipped



1954

Invented the diaphragm expansion tank



1967

Invented the refrigerant gas cylinder



1991

Invented the thermal expansion tank



2003

AMTROL registered ISO 9001:2000



2008

Introduced Well-X1® Constant Pressure System



2010

Introduced the Next Generation Well-X-Trol®



# The Best Just Got Better.

## NEW The Industry's Longest Warranty: 7 Years

- Installer research identified the desire for a longer warranty.
- Required a redesign that included a number of product enhancements.

## Projection Welded Air Valve

- Eliminates threaded valve leak paths.
- Tamper-evident warning label for added safety.

## NEW High Strength Steel (HSS) Construction

- Deep-drawn dome for double the strength of rolled steel.
- Multi-dome construction for internal bracing.

## Positive Hoop Ring and Groove Seal

- Secures diaphragm and liner for added strength and reliability.
- Exclusive welding process eliminates interior rough spots and sharp edges that can damage the diaphragm and liner.

## Seamless Heavy Duty Butyl Diaphragm

- The Industry's thickest diaphragm for extra strength and flexibility.
- Conforms exactly to the shell without stretching, creasing or forming bubbles that could trap water or sediment.
- Meets stringent FDA requirements for potable water.

## Polypropylene Tank Liner

- Provides 100% corrosion resistant, non-metallic water reservoir.
- NSF® International Standard 61 listed for clean, safe water storage with no taste or odor.

## Stainless Steel System Connection

- Withstands aggressive water conditions.

## NEW Turbulator™ Water Circulation Device

- Patent pending design agitates water as it enters tank.
- Helps reduce sediment build-up and extends tank life.

## NEW Best-in-Class 150 psig Pressure Rating

- 20% higher working pressure performance.
- Each tank is pressure tested for added safety.
- Pre-pressurized to the most common pump cut-in pressure.

## NEW Tuf-Kote™ Indoor/Outdoor Coating Technology

- Now standard on all models in AMTROL blue, tan or gray.
- Stands up to the most severe environments.

## NEW DuraBase™ Composite Tank Stand

- Patent pending design is engineered for strength; allows tank to be rolled into place.
- UV resistant material is rugged and will never corrode.
- Available separately as a spacer for Well-X-Trol® models.



*Dome*



*Hoop*



*Butyl Diaphragm*



*Polypropylene Liner*



*Dome*



*Turbulator™*

*Stainless Steel Connection with optional Pro Access®*



*DuraBase™ Composite Stand*



*Tank Base Options*

*Steel Stand with Protective Edging*

## 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 & WX-103 is 38 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 150 PSIG and Maximum Working Temperature is 200° F.

## 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-201	15 3/8	25 1/8	14.0	0.81	5.6	4.8	4.1	25 (3.8)
WX-202	15 3/8	31 5/8	20.0	0.57	8.0	6.8	5.9	33 (4.9)
WX-202XL	15 3/8	38 1/4	26.0	0.44	10.5	8.8	7.6	36 (5.2)
WX-203	15 3/8	46 1/2	32.0	0.35	—	10.9	9.4	43 (7.0)
WX-205	22	29 5/8	34.0	1.00	13.7	11.6	10.0	61 (9.5)
WX-250	22	36	44.0	0.77	17.7	15.0	12.9	69 (11.0)
WX-251	22	46 3/4	62.0	0.55	24.9	21.1	18.2	92 (13.9)
WX-255	22	56 3/8	81.0	0.41	32.6	27.5	23.8	103 (15.8)
WX-252	22	62 1/4	86.0	0.39	34.6	29.2	25.3	114 (18.1)
WX-302	26	47 1/4	86.0	0.54	34.6	29.2	25.3	123 (18.9)
WX-350	26	61 7/8	119.0	0.39	43.6	40.5	35	166 (24.5)

Precharge Pressure for WX-201 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 is 150 PSIG except WX-252.  
 Maximum Working Pressure for WX-252 is 100 PSIG.  
 All models except WX-201 and WX-252 are available with Pro Access®. Use suffix PA.  
 All models except WX-252 are available with DuraBase™. Use suffix D.  
 Pro Access® not available with DuraBase™.

## 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 (3.8)
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-200-UG and WX-202-UG is 38 PSIG and Sys. Conn. is 1" NPTF Coupling.  
 Precharge Pressure for WX-250-UG and WX-251-UG is 38 PSIG and Sys. Conn. is 1 1/4" NPTF Coupling.  
 Maximum Working Pressure is 150 PSIG and Maximum Working Temperature is 200° F.

# Model Specifications & Sizing

## Wall Hung Model

Model No.	Height (ins)	Dimensions		Total Length (ins)	Max. Volume (gals)	System Drawdown	20/40 (gals)	30/50 (gals)	40/60 (gals)	Shipping Wt. (Vol.) lbs (cu ft)
		Width (ins)	Length (ins)							
WX-102-VFD	12 1/16	11	15 5/16	4.4	0.55	1.8	1.5	1.3	13 (1.4)	

Precharge Pressure is 38 PSIG.  
 Maximum Working Pressure is 150 PSIG and Maximum Working Temperature is 200° F.  
 WX-202-VFD includes Universal Mounting Bracket.



## Pump Stand Models

Model No.	Height (ins)	Dimensions		Total Length (ins)	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-102-PS	12 1/16	11	15 5/16	4.4	0.55	1.8	1.5	1.3	13 (1.4)	
WX-105-PS	11	10 1/2	18 1/4	5.3	0.80	2.1	1.8	1.6	13 (1.5)	
WX-110-PS	12 1/8	11	20 9/16	7.4	0.43	2.7	2.3	1.9	15 (2.0)	
WX-200-PS	15 3/8	15 3/8	20 7/8	14.0	0.81	5.6	4.8	4.1	29 (4.0)	
WX-202-PS	16	15 3/8	27 13/16	20.0	0.57	8.0	6.8	5.9	33.5 (4.9)	

Precharge Pressure is 38 PSIG for all models.  
 Maximum Working Pressure is 150 PSIG and Maximum Working Temperature is 200° F.



## Horizontal Model

Model No.	Height (ins)	Dimensions		Total Length (ins)	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 150 PSIG. Maximum Working Temperature is 200° F.



## Sizing: Choose the amount of system protection you need.

The Effective System Protection (ESP) sizing procedure covers modern residential water-use habits, heavy demands and the general increase in water use that has occurred in recent years. ESP sizing is designed to reduce pump and tank wear and tear, and reduce energy consumption by keeping pump starts to a minimum.

ESP Sizing Table

PUMP DISCHARGE RATE GPM (Approx.)	One minute minimum run time for pumps up to 3/4 H.P.			Two minute minimum run time for pumps over 3/4 H.P.		
	ESP I			ESP II		
	20/40 psig	30/50 psig	40/60 psig	20/40 psig	30/50 psig	40/60 psig
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

Larger Tank = Fewer Tank Cycles for Longer Tank and Pump Life

## Step up to Constant Pressure

Well-X1 combines the proven reliability of a Well-X-Trol® well tank with the convenience of constant pressure; all at a fraction of the cost of most Variable Frequency Drive (VFD) systems. Pre-assembled and ready to run, it's the ultimate in quality, savings and performance.



### Affordable Constant Pressure Performance

- 10 PSIG differential provides city water performance.
- Works with existing pump and wiring.
- Easy to install - No special training needed.

### Well-X-Trol Next Generation Well Tank

- Features include high strength steel 150 PSIG, Tuf-Kote™, Turbulator™ and DuraBase™.
- 7 year warranty.

### Guardian CP™ Digital Controller

- Auto adjusts to 115 or 230 VAC systems.
- Fail safe installation — remains idle if wired improperly.
- Flexible wire leads for easy connection.
- 2 year warranty.

### Factory Assembled and Individually Tested

- Ready to run; simply plumb, wire and start.
- Pre-installed control, tank tee, relief valve and drain saves time and installation cost.
- Every unit is pressure tested and digitally verified for uniform reliability.



## Pump Protection



**RAPID CYCLE:**  
Alerts user before pump damage occurs.

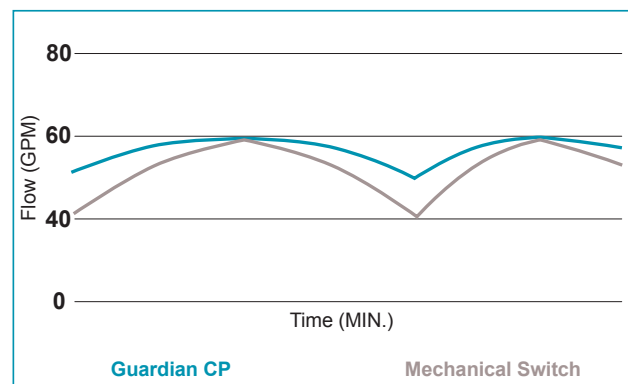


**LOW WATER CUTOFF:**  
Shuts off pump when below 10 psig; automatically restarts every 60 minutes.



**IMPROPER VOLTAGE:**  
Shuts off pump; automatically restarts with proper voltage.

## Constant Pressure Performance



65% Improvement in Flow Consistency.  
1/2 Horsepower, 7 GPM Pump.

# Constant Pressure System

## Specifications

Model	Volume (Gallons)	Height (Inches)	Diameter (Inches)	Weight (lbs.)	Voltage (VAC)	Max. Pump Horsepower	Relief Valve (Included)	Pressure Range	Differential Range
WX1-250	44	44	22	80	115/230	2	100 psig	10-80 psig	10-55 psig
WX1-251	62	54 3/4	22	103	115/230	2	100 psig	10-80 psig	10-55 psig
WX1-302	86	55 1/4	26	134	115/230	2	100 psig	10-80 psig	10-55 psig

All models: Water Connections 1" NPTF and 1-1/4" NPTM

## System Drawdown (Gallons)

MODEL	STANDARD DIFFERENTIAL				CONSTANT PRESSURE MODE			
	Pressure Range (cut-in/cut-out in psig)				Pressure Range (cut-in/cut-out in psig)			
	30/50	40/60	50/70	60/80	40/50	50/60	60/70	70/80
WX1-250	15.0	13.0	11.4	10.1	8.4	7.0	6.2	5.7
WX1-251	21.1	18.3	16.1	14.4	11.8	9.9	8.7	8.1
WX1-302	29.2	25.4	22.4	20.0	16.3	13.8	12.0	11.2

## WELL-X1® Sizing (Select Your Well-X1 Application)

TRADITIONAL SUBMERSIBLE PUMP INSTALLATION					JET PUMP SYSTEMS											
Traditional System 20 psig differential					Constant Pressure for Submersible Pumps 10 psig differential					Constant Pressure for Jet Pumps 10 psig differential						
Pressure Range (cut-in/cut-out)					Pressure Range (cut-in/cut-out)					Pressure Range (cut-in/cut-out)						
	30/50	40/60	50/70	60/80	40/50	50/60	60/70	70/80	20/30	30/40	40/50	50/60				
PUMP GPM	10	WX1-250	WX1-250	WX1-250	WX1-250	5	-	-	WX1-250	WX1-250	5	WX1-250	WX1-250	WX1-250	WX1-250	
	12	WX1-250	WX1-250	WX1-251	WX1-251	7	WX1-250	WX1-250	WX1-251	WX1-251	7	WX1-250	WX1-250	WX1-250	WX1-250	
	15	WX1-251	WX1-251	WX1-251	WX1-302	10	WX1-251	WX1-251	WX1-302	WX1-302	10	WX1-251	WX1-251	WX1-302	WX1-302	
	18	WX1-251	WX1-302	WX1-302	WX1-302	12	WX1-251	WX1-302	WX1-302	WX1-302	12	WX1-251	WX1-302	WX1-302	WX1-302	
	20	WX1-251	WX1-302	WX1-302	WX1-251	15	WX1-302	WX1-302	-	-	15	WX1-302	WX1-302	-	-	

Jet pumps can now provide city-like water pressure. Choose a Well-X1 from this table to create a constant pressure system with a jet pump!

Well-X1 sizing based on model availability.

Select a Well-X1 from this chart to take advantage of the 10 psig differential and create a constant pressure system with a submersible pump.



# Well Above The Rest®

Not all well tanks are created equal and we can prove it. The Amtrol Tanks on Tour™ mobile education center is traveling throughout the United States and Canada demonstrating the very real differences that make Well-X-Trol® *Well About The Rest*®. All models are Amtrol Rewards™ eligible. Visit [www.amtrolrewards.com](http://www.amtrolrewards.com)



*AMTROL Tanks on Tour™ mobile education center.*

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