



WellMate Composite Water System Pressure Tanks

for well systems, water storage, and pressure boosting



Residential



Commercial



Agricultural



Why WellMate™



For Dealers, WellMate™ offers more advantages, more solutions for more applications.

A growing customer base.

In the residential, commercial, and agricultural markets of the world, WellMate composite tanks are fast becoming the tank of choice for their unmatched performance over steel. As the recognized leader in composite pressure tank design, WellMate Water Systems

gives you more to sell.



With unique features that translate into real benefits for your customers, and set you apart from the competition.

A material difference.

From the high density polyethylene inner liner, to the fiberglass-wound and epoxy resin-sealed outer shell, WellMate tanks



WellMate outperforms steel.

contain no steel, so they can't rust. What they can do is make everything easier. WellMate tanks require little or no maintenance because they won't dent and they

have no paint to scratch and touch up. Their light weight – half that of steel tanks – makes them easier and faster to install. In fact, most can be handled by a single installer, keeping costs down.

And because the tanks are made of NSF and/or FDA listed materials, they are safe for man and the environment. WellMate tanks are 100% lead-free, and absolutely will not introduce undesirable chemicals or elements into the water.



A product that's worth more.

WellMate's innovative solutions for water storage and pressure boosting applications give you a world class product that's worth more. From initial design through promised delivery, quality is a hallmark of WellMate tanks. State-of-the-art winding equipment, the best materials and an ISO-9001 certified manufacturing



WellMate tanks are light weight and easy to install.



facility guarantee that our one-piece composite construction is second to none. Plus the best factory-backed warranty in the business gives customers the peace of mind they need to become buyers.

Ongoing dealer support.

As a WellMate dealer, you'll enjoy total dealer support. WellMate tanks are only sold through our network of certified professional dealers, giving you a real opportunity to make your mark. In addition, WellMate dealers enjoy the benefits of sales training programs, seminars and technical

support, as well as consumer literature, training videos, ad slicks and dealer incentive programs.

Want to know more about WellMate and the edge it gives its dealers? Call your WellMate distributor or **440-286-4116** for more information about the opportunities that await.



Rigorous testing and quality procedures ensure reliable performance.

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Low-Profile™ Series

WellMate Low-Profile tanks can be ordered with an optional pump mount bracket and install easily in mobile homes where height is often limited.



Applications

mobile homes

crawl spaces

closets

Big on performance, small on space.

Designed for height-restricted applications such as mobile homes, crawl spaces and closets, our compact Low-Profile Series pressure tanks give you added flexibility in small-space residential applications. Plus they offer you these distinct advantages:

- Highest Drawdown in the Industry for its Profile.
- Replaceable Air Cell – easier to service in the field.
- Extended Labor Warranty Option (by homeowner).



“

We prefer WellMate tanks because of their light-weight design. In many residential locations in the southern U.S., such as manufactured homes and small pump houses, installing a tank requires crawling into small spaces. When you are on your hands and knees, it is much easier to handle a light-weight tank. We primarily use WellMate's Low-Profile series tanks and the WM-6.

”

Brenda Williams
Williams Well Drilling
Sumter, South Carolina

NSF

Specifications

Low-Profile Performance Data

Model Number	Capacity gal / liter	Maximum Operating Pressure psi / kPa / Bar	Drawdown 30/50 Setting** gal / liter	Diameter* inch / cm	Overall Height* inch / cm	Height* inlet/outlet to floor inch / cm	System Connection	Assembly Weight* lb / kg
WM-6LP	19.3 / 73	125 / 862 / 8.6	5.8 / 21.9	24 / 61	20 1/4 / 51	2 1/4 / 5.7	1" male NPT	22.75 / 10.3
WM-10LP	34.5 / 131	125 / 862 / 8.6	10.4 / 39.2	24 / 61	28 / 71	2 1/4 / 5.7	1" male NPT	29.5 / 13.4

Note: Maximum external operating temperature 120°F (49°C). Maximum internal operating temperature 100°F (38°C). Minimum operating temperature 40°F (4°C).
*Diameter, height and weight may vary slightly without notice.

**In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdowns will vary depending upon system variables, including the accuracy and operation of the pressure switch and gauge and operating temperature of the system.



WM™-Series

WellMate tanks are the professional's choice for long-lasting, dependable tanks that won't rust or leak.



Applications

residential

light commercial

pressure boosting



Easier to install than steel, and over time, much tougher to beat.

Our WM-Series offers features and benefits steel tanks just can't match. From their corrosion-proof composite construction... to their lighter weight, easier maintenance and less expensive installation... WM-Series pressure tanks are the preferred choice of professionals. Especially when the following advantages are added to the mix:

- Replaceable Air Cell – for easier field servicing.
- Greater Drawdown than Comparably-Sized Steel Tanks – for greater efficiency.
- Extended Labor Warranty Option (by homeowner).
- Won't Rust in Corrosive Environments – particularly important in agricultural and livestock applications, and coastal regions.
- Quicker and Less Costly to Install – usually requiring only one person and fewer man-hours.
- Wider Pressure Setting Differential – for greater flexibility.



Durable interior air cell is fully replaceable and constructed of heavy-gauge engineered polymer.

One piece, seamless inner shell molded of premium, high-density polyethylene.

Outer shell is a composite of continuous fiberglass strands sealed with high-grade epoxy resin.

Seamless, full-size, blow-molded, polymer air cell is custom fitted for each tank size.

Sturdy, molded polymeric base is corrosion and impact proof.

Bottom inlet/outlet one-piece drain is custom molded of high-impact PVC.

“

I have been a WellMate user for over 12 years. I prefer WellMate captive air tanks because they're light weight and do not rust, and I rarely receive a warranty claim. If you want to use nothing but the best, go with WellMate.

”

Tom Jordan

Jordan Well Drilling

Houghton Lake, Michigan

NSF

Specifications

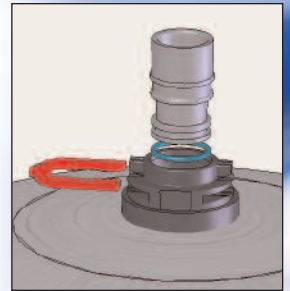
WM Performance Data

Model Number	Capacity gal / liter	Maximum Operating Pressure psi / kPa / Bar	Drawdown 30/50 Setting** gal / liter	Diameter* inch / cm	Overall Height* inch / cm	Height* inlet/outlet to floor inch / cm	System Connection	Assembly Weight* lb / kg
WM-4	14.5 / 55	125 / 862 / 8.6	4.4 / 16.5	16 / 41	26 / 66	1 3/4 / 4.4	1" male NPT	14.5 / 6.6
WM-6	19.8 / 75	125 / 862 / 8.6	5.9 / 22.5	16 / 41	32 / 81	1 3/4 / 4.4	1" male NPT	17.75 / 8.1
WM-9	29.5 / 112	125 / 862 / 8.6	8.9 / 33.5	16 / 41	44 / 112	1 3/4 / 4.4	1" male NPT	24.75 / 11.2
WM-12	40.3 / 153	125 / 862 / 8.6	12.1 / 45.8	16 / 41	57 / 145	1 3/4 / 4.4	1" male NPT	30 / 13.6
WM-23	79.6 / 301	125 / 862 / 8.6	23.8 / 90.4	21 / 53	62 / 157	2 1/4 / 5.7	1 1/4" male NPT	65.7 / 29.8
WM-14WB	47.1 / 178	125 / 862 / 8.6	14.1 / 53.5	21 / 53	41 1/4 / 105	2 1/4 / 5.7	1 1/4" male NPT	43 / 19.5
WM-20WB	60.0 / 227	125 / 862 / 8.6	18.0 / 68.1	24 / 61	41 1/2 / 105	2 1/4 / 5.7	1 1/4" male NPT	50 / 22.7
WM-25WB	86.7 / 328	125 / 862 / 8.6	26.0 / 98.5	24 / 61	55 1/4 / 140	2 1/4 / 5.7	1 1/4" male NPT	72.75 / 33.0
WM-35WB	119.7 / 453	125 / 862 / 8.6	35.9 / 135.9	24 / 61	74 1/4 / 189	2 1/4 / 5.7	1 1/4" male NPT	95 / 43.1

Note: Maximum external operating temperature 120°F (49°C). Maximum internal operating temperature 100°F (38°C). Minimum operating temperature 40°F (4°C).
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UT™-Quick Connect Series



The quick connector snaps securely into place and is retained by an H-clip. The adapter is available in brass or plastic. Connection types are MNPT, BSP, Glue or Sweat.



Applications

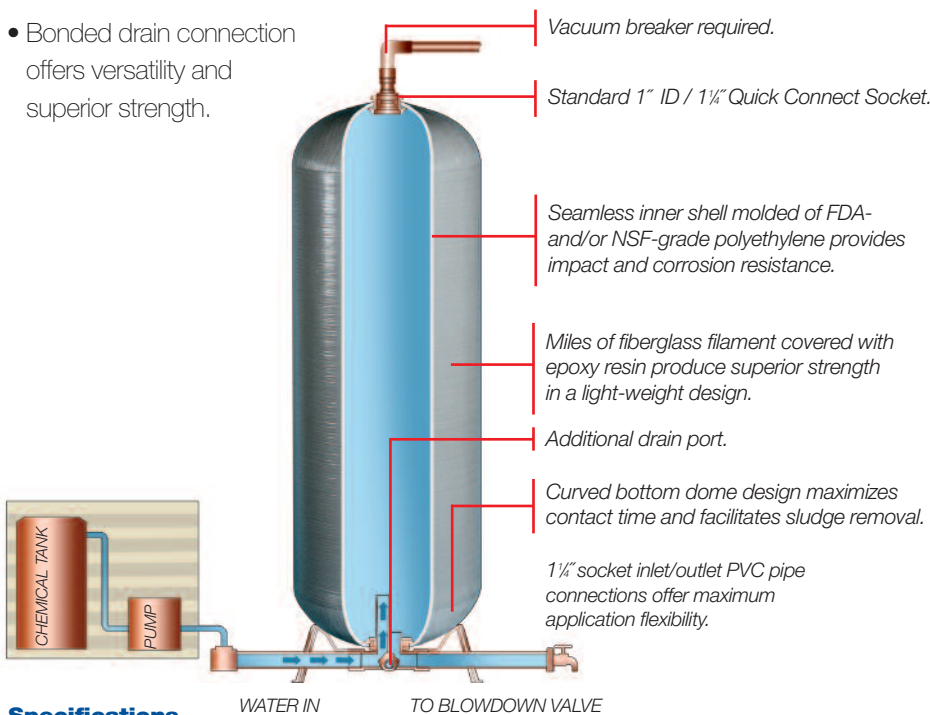
contact tank for
water treatment

hydropneumatic
(with purchased accessories)

Contact with chemicals, chlorine, sulfuric acid? Go with the Pros and choose UT.

There's no better tank choice for water treatment than our UT-Quick Connect Series. Composite construction makes the entire line impervious to the chemicals found in aggressive water. Plus the following advantages give our UT-Quick Connect Series the kind of application versatility dealers want:

- Inlet/Outlet PVC Pipe Connections – allow straight through T connection on bottom of tank for ease of piping.
- Blowdown Valve – for easy removal of sludge from tank bottom.
- Hydropneumatic Convertible – optional air volume control assembly and micronizer provide for quick and easy tank conversion. Dealers no longer need to stock more than one kind of air-over-water pressure tank.
- Bonded drain connection offers versatility and superior strength.



Specifications

UT Performance Data

Model Number	Capacity gal / liter	Maximum Operating Pressure psi / kPa / Bar	Diameter* inch / cm	Overall Height* inch / cm	Height* inlet/outlet to floor inch / cm	System Connection		Assembly Weight* lb / kg
						Top	Bottom	
UT-30 Quick Connect	30 / 114	75 / 500 / 5.0	16 / 41	44 1/2 / 113	1 1/2 / 3.8	1 1/4" Socket	1 1/4" Socket	25 / 11.3
UT-40 Quick Connect	40 / 151	75 / 500 / 5.0	16 / 41	57 1/4 / 145	1 1/2 / 3.8	1 1/4" Socket	1 1/4" Socket	28 / 12.7
UT-40SQ Quick Connect	40 / 151	75 / 500 / 5.0	21 / 53	36 / 91	2 / 5.1	1 1/4" Socket	1 1/4" Socket	33 / 15.0
UT-80 Quick Connect	80 / 303	75 / 500 / 5.0	21 / 53	62 3/4 / 159	2 / 5.1	1 1/4" Socket	1 1/4" Socket	43 / 19.5
UT-120 Quick Connect	120 / 454	75 / 500 / 5.0	24 / 61	72 1/4 / 186	2 / 5.1	1 1/4" Socket	1 1/4" Socket	63 / 28.6

Note: Maximum external operating temperature 120°F (49°C). Maximum internal operating temperature 100°F (38°C). Minimum operating temperature 40°F (4°C).

*Diameter, height and weight may vary slightly without notice.

Accessories (For Hydropneumatic Conversion)

(Consult factory for correct size)	Air Volume Control Assembly
Part # CH3929-5	Micronizer
Part # CH19426	Vacuum Breaker 1/4" NPT



Air Volume Control Assembly



Micronizer



Vacuum Breaker

NOTE: Flexible connectors must be installed between hard piping and tank openings. These pressure vessels are rated for an internal negative pressure of 5" HG (17 Pa) vacuum below atmospheric. If negative pressure could ever exceed 5" Hg (17 Pa), an adequate vacuum breaker must also be properly installed. Failure to install flex connection properly, or improper installation of a vacuum breaker when required, may void the warranty.



“

WellMate's best selling feature is its composite construction. It makes the tank extremely durable and non-corrosive. Many installations in my area have damp environments and are exposed to high humidity. The WellMate tank outperforms the steel tank. WellMate offers a premium, differentiated product that enables my company to offer unique selling features to the homeowner.

”

Gary Auset

Fergus Well Company

Fergus Falls, Minnesota



HP-Quick Connect Series

The WellMate Micronizer attaches easily to any hydropneumatic tank, continuously charging the tank with a controlled amount of air. Composite construction offers corrosion resistance and long life.



The quick connector snaps securely into place and is retained by an H-clip. Two 1/4" taps remain for de-gas and pressure relief.



Applications

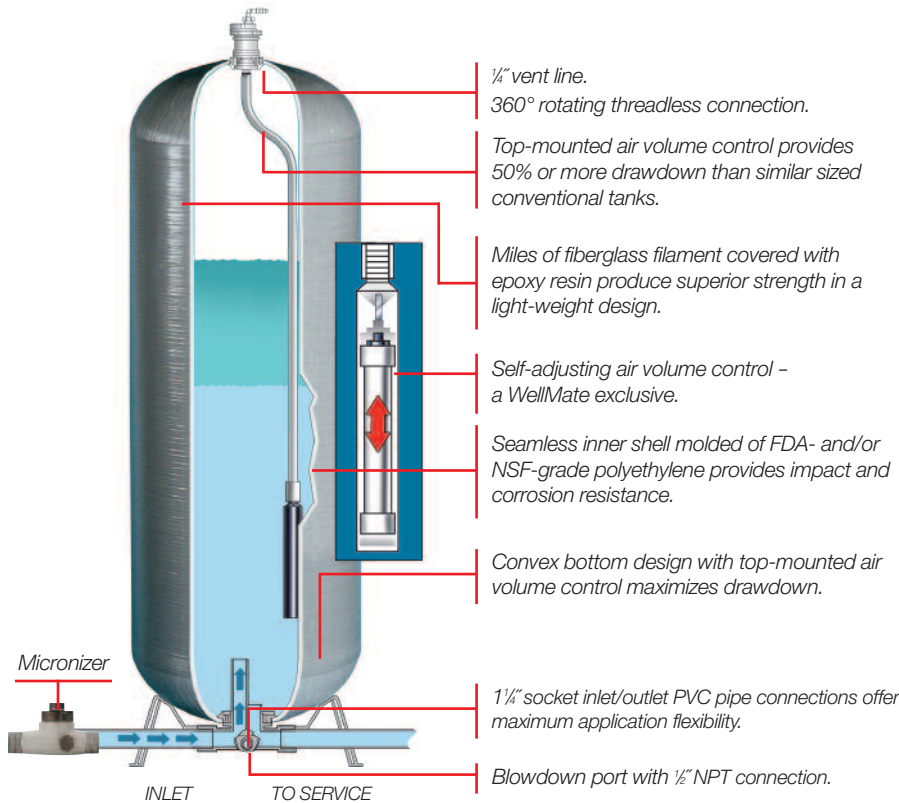
sulfur and iron
water treatment
.....
hypochloride
environments
.....
release of methane or
other well gases



The toughest tanks for your worst installations.

Iron and sulfur removal? Hypochloride environments? Methane and other undesirable well gases? You need our HP-Quick Connect Series of hydropneumatic tanks. These high performance tanks can be used for aggressive water, or as an open system where air is introduced to oxidize and aerate. All this, plus these other key advantages:

- Large Drawdown Ratio – for increased efficiency.
- Adapter and UT Drain Assembly – (sold separately) – allows you to add 1" riser pipe to increase aeration of water. See page 14.
- Self-Adjusting Air Volume Control – for system flexibility and ease of installation.



“

WellMate tanks offer superior performance to steel tanks in many environments because they are non-corrosive. Two applications where they perform particularly well for us are finished basements and chicken farms. You don't have to worry about WellMate tanks rotting out or leaking. They work great.

”

Al Heaton

A.B. Heaton & Sons

Belding, Michigan

Specifications

HP Performance Data

Model Number	Capacity gal / liter	Maximum Operating Pressure psi / kPa / Bar	Drawdown 30/50 Setting** gal / liter	Diameter* inch / cm	Overall Height* inch / cm	Height inlet / outlet to floor inch / cm	System Connection		Assembly Weight* lb / kg
							Top	Bottom	
HP-7 Quick Connect	30 / 114	75 / 500 / 5.0	6.6 / 25.0	16 / 41	43 3/4 / 111	1 1/2 / 3.8	1/4" vent line	1 1/4" Socket	26 / 11.8
HP-9 Quick Connect	40 / 151	75 / 500 / 5.0	9.0 / 34.1	16 / 41	56 1/2 / 144	1 1/2 / 3.8	1/4" vent line	1 1/4" Socket	29 / 13.2
HP-8SQ Quick Connect	40 / 151	75 / 500 / 5.0	8.0 / 30.3	21 / 53	35 1/4 / 90	2 / 5.1	1/4" vent line	1 1/4" Socket	34 / 15.4
HP-18 Quick Connect	80 / 303	75 / 500 / 5.0	17.8 / 67.4	21 / 53	62 / 157	2 / 5.1	1/4" vent line	1 1/4" Socket	44 / 20.0
HP-26 Quick Connect	120 / 454	75 / 500 / 5.0	25.5 / 96.5	24 / 61	72 1/2 / 184	2 / 5.1	1/4" vent line	1 1/4" Socket	64 / 29.0

Accessories

Part #CH3929-5	Micronizer
Part #CH19426	Vacuum Breaker 1/4" NPT

NOTE: Flexible connectors must be installed between hard piping and tank openings. These pressure vessels are rated for an internal negative pressure of 5" HG (17 Pa) vacuum below atmospheric. If negative pressure could ever exceed 5" Hg (17 Pa), an adequate vacuum breaker must also be properly installed. Failure to install flex connection properly, or improper installation of a vacuum breaker when required, may void the warranty.

Note: Maximum external operating temperature 120°F (49°C). Maximum internal operating temperature 100°F (38°C). Minimum operating temperature 40°F (4°C).

*Diameter, height and weight may vary slightly without notice.

** In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdowns will vary depending upon system variables, including the accuracy and operation of the pressure switch and gauge and operating temperature of the system.



Vacuum Breaker

E-Series



Applications

high volume
water storage
.....
water storage
treatment



Maximum storage. Minimum headaches.

Wider pressure switch settings on our E-Series tanks allow for maximum water storage during periods of peak demand. As a captive air tank, the E-Series can handle up to 125 psi/8.6 bar operating pressure. Plus the high-volume, high-pressure tanks offer these benefits:

- Retention Tank Capability – without the air cell, can function as a high capacity retention tank for water storage and treatment.
- Polyetherurethane Air Cell – offers a longer life than bladders or diaphragms.
- Wider Range of Pressure Settings – for greater application versatility.
- Pre-Installed Inlet/Outlet Assembly – with system connections to save time and money.

“

Our extrusion process requires brine water at very high pressures. WellMate E-Series tanks deliver the performance and corrosion resistance that make them an excellent investment.

”

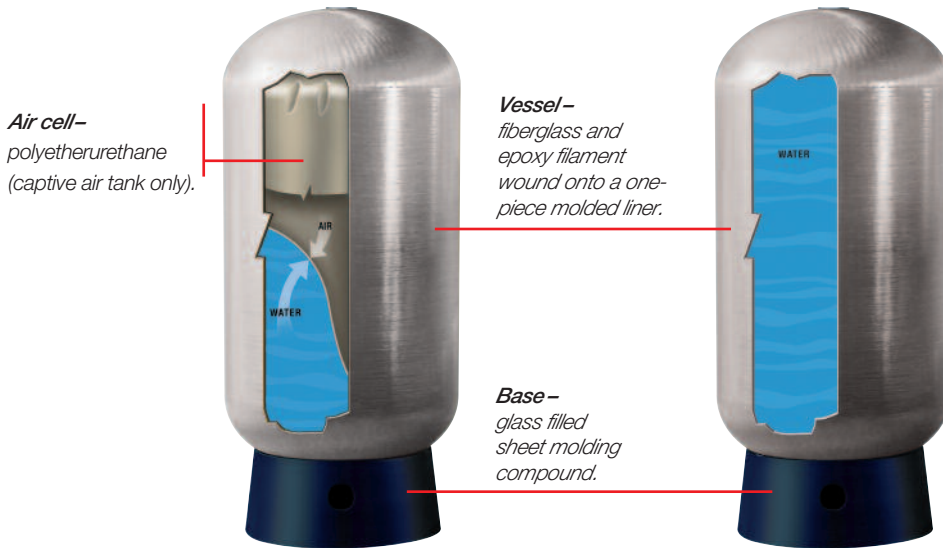
Jim Swor

General Manager

Extrudex

Captive air tank

Retention tank



Our E-Series tanks are also available as a retention tank for water storage/treatment.

Specifications

E-Series Performance Data

Model Number	Capacity gal / liter	Maximum Operating Pressure psi / kPa / Bar	Drawdown 30/50 Setting** gal / liter	Diameter* inch / cm	Overall Height* inch / cm	Height* inlet/outlet to floor inch / cm	System Connection		Assembly Weight* lb / kg
							Bottom	Top	
Captive Air Tank									
WM-60	187 / 707	125 / 862 / 8.6	55.2 / 209	30 / 76	79 / 201	7.5 / 19	2" Pipe Socket	N/A	234 / 106.14
WM-80	264 / 999	125 / 862 / 8.6	78.0 / 295	36 / 91	81 / 206	8.0 / 20	2" Pipe Socket	N/A	292 / 132.45
Retention Tank									
RT-200	187 / 707	125 / 862 / 8.6	N/A	30 / 76	79 / 201	7.5 / 19	2" NPT	2" NPSM	234 / 106.14
RT-270	264 / 999	125 / 862 / 8.6	N/A	36 / 91	81 / 206	8.0 / 20	2" NPT	2" NPSM	292 / 132.45

Note: Maximum external operating temperature 120°F (49°C). Maximum internal operating temperature 100°F (38°C). Minimum operating temperature 40°F (4°C).

*Diameter, height and weight may vary slightly without notice.

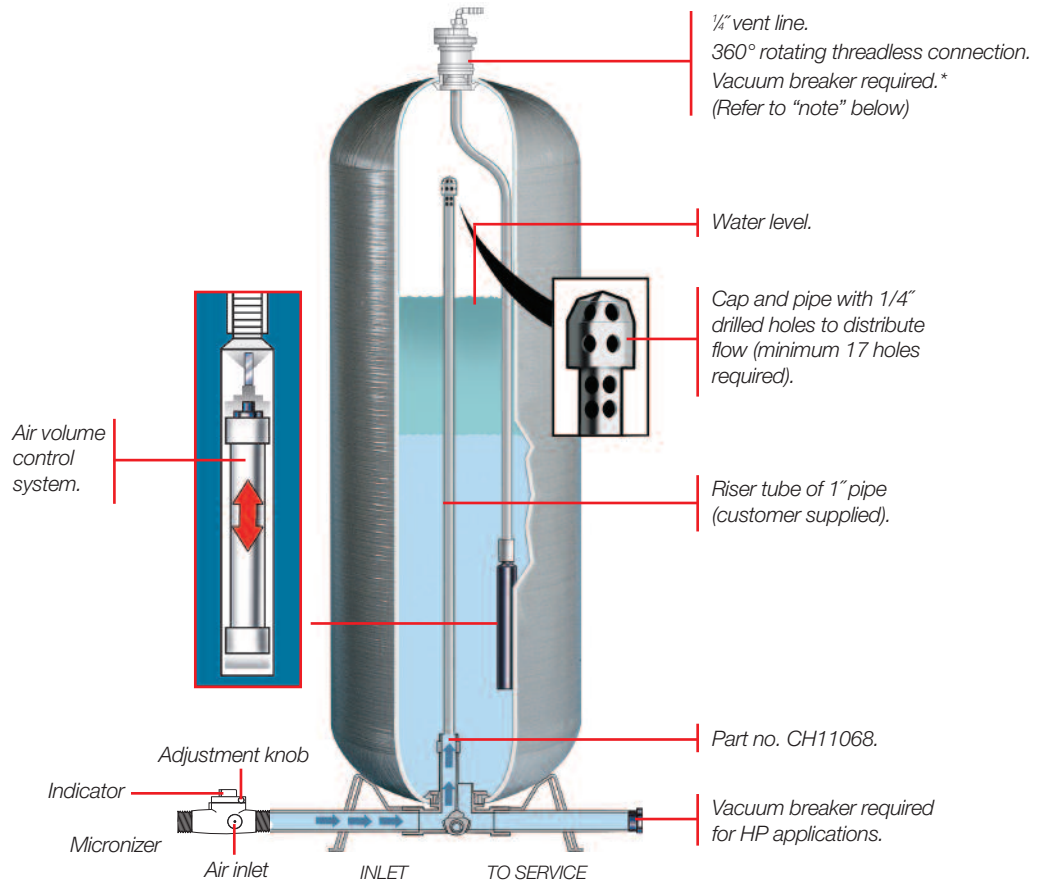
** In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdowns will vary depending upon system variables, including the accuracy and operation of the pressure switch and gauge and operating temperature of the system.

UT/HP Aeration Tanks



WellMate Micronizer injects air into pressurized fluid streams.

Made of non-corrosive PVC with no moving parts, the WellMate Micronizer is designed to continuously charge any UT- or HP-Series tank with a controlled amount of air. When properly installed and adjusted, the patent-pending Micronizer will aerate the tank for 30% to 50% of the pump's run time. Simply attach the WellMate Micronizer to the standard 1" male NPT inlet tube at the bottom of the tank. Air amount and time are adjusted by hand on an easy-to-use indicator. Excess air is drawn out through an AVC assembly installed in the tank.



WARNING: To avoid health or environmental hazards from gas accumulation, plumb the top fitting to vent off gas to a safe area.

How to air out undesirable gases.

Got a problem with undesirable well gases? These tanks have been designed to introduce air to oxidize and aerate, minimizing or even eliminating both methane gas and hydrogen sulfide gas which is detectable by its rotten egg odor. These tough-performing tanks also offer the following:

- Large Drawdown Ratio – for increased efficiency.
- Self Adjusting Air Volume Control System – for flexibility and ease of installation.
- Composite Construction – for increased tank life.

WellMate does not guarantee sizing requirements or the successful removal of odors and gases. It is the responsibility of the contractor or water treatment specialist to assess the many variables involved and select the proper tank.

Model Number	Capacity gal / liter	1" Riser Tube Length (inches)	1/2 AVC (tube only) (inches)	AVC Overall Length (inches)
UT-30 / HP-7	30 / 114	24.00	23.25	34.88
UT-40SQ / HP-8SQ	40 / 151	16.00	14.50	26.15
UT-40 / HP-9	40 / 151	37.50	35.50	47.12
UT-80 / HP-18	80 / 303	42.75	40.00	51.62
UT-120 / HP-26	120 / 454	53.00	46.50	58.12

Note: Maximum external operating temperature 120°F (49°C), Maximum internal operating temperature 100°F (38°C), Minimum operating temperature 40°F (4°C).

Diameter, height and weight may vary slightly without notice. In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdowns will vary depending upon system variables, including the accuracy and operation of the pressure switch and gauge and operating temperature of the system.

*NOTE: Flexible connectors must be installed between hard piping and tank openings. These pressure vessels are rated for an internal negative pressure of 5" HG (17 Pa) vacuum below atmospheric. If negative pressure could ever exceed 5" Hg (17 Pa), an adequate vacuum breaker must also be properly installed. Failure to install flex connection properly, or improper installation of a vacuum breaker when required, may void the warranty.



Vacuum Breaker

Accessories

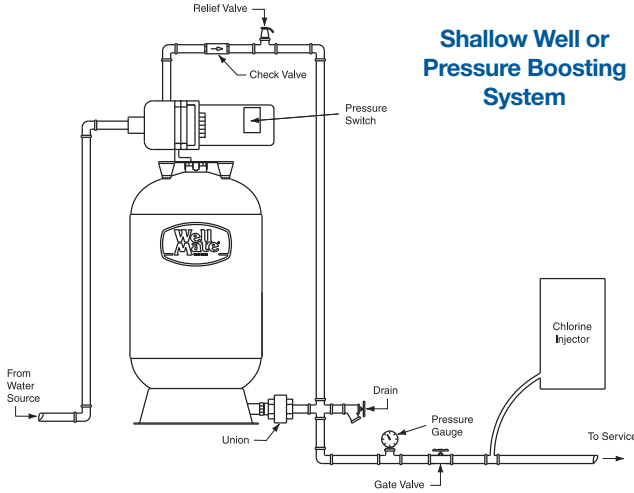
Part # CH3929-5	Micronizer
Part # CH19426	Vacuum Breaker 1/4" NPT
Part # CH11068	Adapter

Residential Tank Replacement Guide

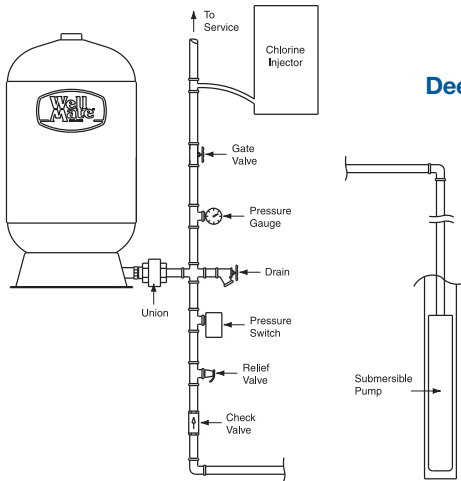
WellMate Pentair Water	WM-01	WM-02	WM-4	WM-6LP	WM-6	WM-9	WM-10LP	WM-12	WM-14WB	WM-20WB	WM-23	WM-25WB	WM-35WB
Gallons	2	5	14	19	20	30	34	40	47	60	80	87	119
Champion Amtrol	CH1001	CH1002	CH3001	n/a	CH4202	CH8205	n/a	CH8205	CH10050	CH12051	n/a	CH17255	CH22050
ProLine Amtrol	CA1001	CA1002	CA3001	n/a	CA4202	CA8205	n/a	CA10050	CA10050	CA12051	n/a	CA17002	CA22050
Well-Flow Amtrol	WF-6	WF-15	WF45	n/a	WF60	WF100	n/a	n/a	WF140	WF200	n/a	WF260	WF360
WellXtrol Amtrol	WX-101	WX-102	WX-201	n/a	WX-202	WX-205	n/a	WX-250	WX-250	WX-251	n/a	WX-255	WX-350
Clayton Mark	CM1001	CM1002	CM-200	n/a	CM-202	CM-203	n/a	n/a	CM-250	CM-251	n/a	CM-302	CM-350
Elbi	D8	D18	DV50	n/a	DV80	n/a	n/a	n/a	DV200	n/a	n/a	n/a	DV450
Challenger Flexcon	JR6	JR15	PC44	n/a	PC66	PC111	n/a	PC122	PC144	PC211	n/a	PC266	PC366
Well-Rite Flexcon	JR6	JR15	WR45	n/a	WR60	WR80	n/a	WR120	WR140	WR200	n/a	WR260	WR360
Flex- Lite	n/a	n/a	FL-5	n/a	FL-7	n/a	n/a	FL-12	FL-17	FL-22	FL-28	FL-30	FL-40
Aqua Air Goulds	V6P	V15P	V45	n/a	V60	V100	n/a	n/a	V140	V200	n/a	V250	V350
Myers	MIL2	MIL5	MPD14	n/a	MPD20	n/a	n/a	n/a	n/a	n/a	n/a	MPD86	MPD119
ConAire Sta-Rite	CA-9	n/a	n/a	n/a	CA-42	n/a	n/a	n/a	CA-120	n/a	n/a	CA-220	n/a
Fiberglass Sta-Rite	n/a	n/a	n/a	n/a	PSP-FW20-6	PSP-FW35-10	n/a	PSP-FW40-12	PSP-FW48-14	PSP-FW60-18	n/a	PSP-FW85-25	PSP-FW119-35
Vertical Steel Sta-Rite SR	n/a	n/a	PS30-T01	n/a	PSP42T-T02	PSP75T-T03	n/a	n/a	PSP120-T50	PSP200-T51	n/a	PSP220-T52	PSP320-TR50
Vertical Steel ProSource	PS2-S01	PS5-S02	PS6-S02	n/a	PS19S-T02	PS32-T03	n/a	PS35-T05	PS50-T50	PS62-T51	n/a	PS85-T52	PS119-TR50
Vertical Steel ProSource PLUS	n/a	n/a	n/a	n/a	PSP19T-02 PSP19S-T02	PSP32-T03	n/a	PSP35-T05	PSP50-T50	PSP62-T51	n/a	PSP85-T52	PSP119-TR50
Perma Tank State	PIL-2	PIL-5	PAD-14	n/a	PAD-20	n/a	n/a	n/a	PAD-52	n/a	n/a	PAD-86	PAD-119

Two of the most common hydropneumatic applications

Shallow Well or Pressure Boosting System



Deep Well System



Tank Sizing Information

There are three factors to consider when selecting the proper size WellMate for your water system:

- The pump delivery rate in gallons/liters per minute (GPM/LPM).
- The recommended minimum running time of the pump.
- The minimum (cut-in) and maximum (cut-out) system pressure parameters.

Once these factors are known, the following calculations will determine, in most cases, the correct model to meet your specifications.*

CALCULATING DRAWDOWN

- 1) Pump delivery rate _____ GPM/LPM
- 2) Desired minimum pump running time in minutes _____ Minutes
(1 minute, 45 seconds = 1.75 minutes).
- 3) Multiply line #1 by line #2. _____ Gallons/Liters
This is the minimum drawdown or available water volume required.*

CALCULATING TANK SIZE

- 4) Minimum system pressure (cut-in) _____ PSIG/kPa/bar
- 5) Maximum system pressure (cut-out) _____ PSIG/kPa/bar
- 6) Using table #2, find the drawdown factor applicable to lines #4 and #5. _____ Factor
- 7) Divide line #3 by line #6 to determine the minimum total WellMate volume required. _____ Gallons/Liters
- 8) Refer to the design data and select the WellMate model with the lowest total capacity that is greater than or equal to line #7. _____ Model

EXAMPLE: An application using an 8 GPM pump with a minimum run time of 1 minute and a 30-50 PSIG system pressure range;

$$\frac{8 \text{ GPM} \times 1 \text{ minute}}{.30 \text{ (factor)}} = 26.7 \text{ gallon minimum tank capacity}$$

*If a volume of water needed is greater than the amount calculated on line #3, enter that amount on line #3 in place of the calculated volume.

Table #2 – Drawdown Factors

MAXIMUM SYSTEM PRESSURE (CUT-OUT) PSIG/(kPa)/bar	MINIMUM SYSTEM PRESSURE (CUT-IN) -- PSIG/(kPa)/bar																			
	20 (138)	25 (173)	30 (207)	35 (242)	40 (276)	45 (311)	50 (345)	55 (380)	60 (414)	65 (449)	70 (483)	75 (518)	80 (552)	85 (587)	90 (621)	95 (656)	100 (690)	105 (725)	110 (759)	
30/(207)/2.06	.21																			
35/(242)/2.41	.28	.19																		
40/(276)/2.76	.34	.26	.17																	
45/(311)/3.10	.39	.32	.24	.16																
50/(345)/3.45	.44	.37	.30	.22	.15															
55/(380)/3.80	.47	.41	.34	.28	.21	.14														
60/(414)/4.16	.50	.44	.38	.32	.26	.19	.13													
65/(449)/4.48	.53	.48	.42	.36	.30	.24	.18	.12												
70/(483)/4.83	.56	.50	.45	.40	.34	.29	.23	.17	.11											
75/(518)/5.17		.53	.48	.43	.38	.32	.27	.22	.16	.11										
80/(552)/5.51			.50	.46	.41	.36	.31	.26	.21	.15	.10									
85/(587)/5.86				.48	.43	.39	.34	.29	.24	.20	.15	.10								
90/(621)/6.20					.46	.42	.37	.32	.28	.23	.19	.14	.09							
95/(656)/6.55						.44	.40	.35	.31	.27	.22	.18	.13	.09						
100/(690)/6.89							.42	.38	.34	.30	.26	.21	.17	.13	.09					
105/(725)/7.24								.41	.37	.33	.29	.25	.20	.16	.13	.08				
110/(759)/7.58									.39	.35	.31	.27	.24	.20	.16	.12	.08			
115/(794)/7.92										.38	.34	.30	.26	.23	.19	.15	.11	.08		
120/(828)/8.27											.36	.33	.29	.25	.22	.18	.15	.11	.08	.07
125/(863)/8.62												.35	.32	.28	.25	.21	.18	.14	.11	.11

In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdowns will vary depending upon system variables, including the accuracy and operation of the pressure switch and gauge, actual precharge pressure, and operating temperature of the system.