

xylem
Let's Solve Water



TECHNICAL BROCHURE
BHYDRO R5

DIAPHRAGM TANKS

HYDROPRO® WATER SYSTEM TANK

 **GOULDS**
WATER TECHNOLOGY
a xylem brand

FEATURES

Horizontal Models: Feature a universal jet pump bracket and two (2) bolt-on, corrosion-resistant, high density polypropylene feet for installations with limited headspace, such as under mobile homes.

Deep Drawn Steel Shells: Provide maximum material strength.

Inner Shell: Prevents diaphragm from over-expanding.

Heavy Duty Parabolic Diaphragm: this new diaphragm design has improved diaphragm life by reducing abrasive wear. The diaphragm separates air and water to maintain the tank's air charge. The Butyl rubber diaphragm is an FDA approved material and also meets NSF / ANSI 61 - G standards.

Interior Tank Lining:

- Stand models and V45P feature durable polypropylene liner. Meets FDA requirements.
- Mounted pump models and V6P, V15P, V25P, V25H, and V100S feature fusion bonded polymeric lining. Meets FDA requirements.

Maximum Working Pressure: 125 psi (except mounted pump models, 100 psi).

Temperature Rating: Maximum 120° F

Stainless Steel System Connection: On all Stand, In-Line, Buried and Horizontal models. Excludes the V6P, V15P and V25P, which are powder coated.

Appliance Appearance Exterior Finish: Blue color, high durability exterior finish of tough, powder coat over a zinc phosphate surface treatment.

Tanks are designed for installation indoors or where they are protected from rain, irrigation overspray, salt air and other corrosive environments. Always protect tanks from freezing.

Heavy Duty Base: Made of high density polypropylene on stand models only.

Pre-charge: All tanks charged to 38 PSI.



Certified to NSF/ANSI 61-G



Stand Models
 V45 V140
 V60 V200
 V80 V250
 V100 V260
 V100S V350



Horizontal Models with Pump Mounting
 V25H V45H V60H



In-Line Models
 V6P V15P
 V25P V45P



Mounted Pump Models
 V60MP V60PST
 V45MP V45PST



Stand Model with Base Extension
 V80EX

Models	Model No.	Total Volume (Gals.)	Drawdown in Gallons at System Operating Pressure Range of			Maximum Drawdown Vol. (Gals.)	Pre-Charge PSI	System Connection	Dimensions		Shipping Weight	Height From Floor to Center of Base Opening
			20/40 PSIG	30/50 PSIG	40/60 PSIG				Diameter	Height		
Stand Models	V45	13.9	5.1	4.3	3.7	8.4	38	1" NPTF	15 3/8	24 1/16	23	3 1/8
	V60	19.9	7.3	6.1	5.3	12.1	38	1" NPTF	15 3/8	32 3/8	34	
	V80	25.9	8.9	7.7	6.7	13.9	38	1" NPTF	15 3/8	39 1/16	43	
	V80EX	25.9	8.9	7.7	6.7	13.9	38	1" NPTF	15 3/8	42 5/8	43	7 1/4
	V100	31.8	11.8	9.9	8.6	13.8	38	1" NPTF	15 3/8	47 1/4	52	3 1/8
	V100S ①	36	13.3	11.2	9.7	15.3	38	1" NPTF	20	32	54	3 3/8
	V140	45.2	16.5	13.9	12.1	27.3	38	1 1/4" NPTF	22	36 1/16	64	
	V200	65.1	23.9	20.0	17.4	39.3	38	1 1/4" NPTF	22	48 5/8	89	
	V250	83.5	30.9	25.9	22.5	50.8	38	1 1/4" NPTF	26	46	116	
	V260	84.9	31.2	26.2	22.8	44.7	38	1 1/4" NPTF	22	60 1/16	113	3 3/8
V350	115.9	42.9	35.9	31.3	70.5	38	1 1/4" NPTF	26	61 3/16	161	3 1/2	
Mounted Pump Models*	V45MP	13.9	5.1	4.3	3.7	8.4	38	3/4" Pipe	15 3/8	25 1/16	28	
	V60MP	19.9	7.3	6.1	5.3	12.1	38	3/4" Pipe	15 3/8	33 1/8	40	
	V45PST	13.9	5.1	4.3	3.7	8.4	38	3/4" Pipe	15 3/8	25 1/16	28	
	V60PST	19.9	7.3	6.1	5.3	12.1	38	3/4" Pipe	15 3/8	33 1/8	40	
Buried Models	V60B	19.9	7.3	6.1	5.3	12.1	38	1" NPTM	15 3/8	28 1/2	33	
	V140B	45.2	16.5	13.9	12.1	27.3	38	1 1/4" NPTM	22	32 3/16	63	
In-Line ① Models	V6P	1.9	0.7	0.6	0.5	1.3	38	3/4" NPTM	8 1/4	10 3/16	7	
	V15P	4.9	1.8	1.5	1.4	3.1	38	3/4" NPTM	11	14 3/4	11	
	V25P	7.3	2.7	2.3	2.1	3.1	38	3/4" NPTM	11	21 1/16	16	
	V45P	13.9	5.1	4.3	3.7	8.4	38	1" NPTM	15 3/8	21 1/16	24	
Horizontal Models w/Bracket	V25H ①	7.3	2.7	2.3	2.1	3.1	38	3/4" NPTM	11	21 1/16	20	
	V45H	13.9	5.1	4.3	3.7	8.4	38	1" NPTM	15 3/8	22 3/16	26	
	V60H	19.9	7.3	6.1	5.3	12.1	38	1" NPTF	15 3/8	33 3/8	36	

NOTES:

* Compatible with only certain Goolds jet pumps.

P = Pipe mounted EX = With base extension B = Buried
MP = Mounted pump PST = Pump system tank H = Horizontal with bracket

(All dimensions are in inches and weight in lbs. Do not use for construction purposes.)

① V6P, V15P, V25P, V25H and V100S are produced at Charlotte, NC plant after January 2013, resulting in minor dimensional changes.

ACCESSORIES



AW39 Bracket:
Universal pump mounting bracket for use on all stand model tanks.



AWT1 Base Extension:
For use on 15 3/8" models. Provides 4 1/8" base elevation. Supplied in quantities of six (6) per carton.

Order No.	Description	Wt. (lbs.)
AW39	Universal Jet Pump Bracket	2
AWT1	Tank Base Extension (Qty. 6)	5

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,500 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xylem.com



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