



**WHERE QUALITY COMES FIRST**

## The Diaphragm Inside Hydro-Plus well tanks

Zilmet manufactures all of their own diaphragms, each carefully designed for the specific sized tank to both extend the tank life and maximize drawdown. All diaphragms are manufactured with pure butyl and are all NSF61 Certified. With our larger tank circumference and our industry leading thick diaphragms, Zilmet's well tank diaphragms have an exceptionally long life.

Zilmet's proprietary design for the underside of the diaphragm forces water and sediment through the proprietary channels and grooves and up and out through the connector for a complete water exchange.



*Stainless steel side connection allows for quicker, less expensive installation*



### **Advantages of Hydro Plus Tanks using Zilmet Diaphragms:**

- 150 PSI max working pressure
- Low profile design with full diaphragm prevents excess wear and thus longer life
- All diaphragms made by Zilmet specifically for each tank's dimensions
- The Zilmet side connection advantages: Easier and quicker installation, less expensive installation, less vulnerable to corrosion at the connector
- Powder coated finish for a longer lasting, more durable finish
- Stainless steel connector
- 5 year warranty on all tanks

#### ■ material description

description	material
shell	carbon steel*
connection	stainless steel*
fixed membrane	butyl**
color	almond

\* internally coated with powder for potable water applications

\*\* for potable water applications

#### ■ operating conditions

max. operating pressure	150 psi
operating temperature	210 °F
factory precharge	38 psi

## ■ technical and dimensional data

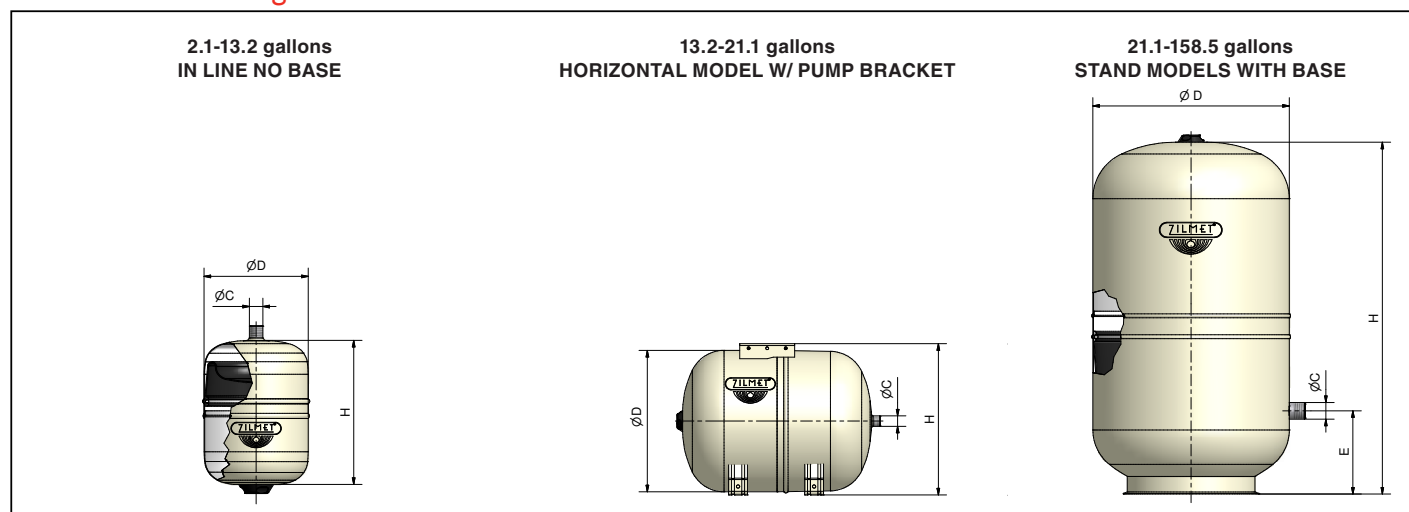
Type	Model	Capacity	Diameter	Height	Connection Height	Connection Size	Precharge	System Drawdown	
		gallons	inches (ØD)	inches(H)	inches(E)	NPT (ØC)	psi	30-50 psi	40-60 psi
Inline	ZHP5	2.1	7.9	11.0		3/4"	38	0.7	0.5
Inline	ZHP12	4.8	10.6	13.7		3/4"	38	1.6	1.2
Inline	ZHP18	6.3	11.8	15.4		1"	38	2.1	1.7
Inline	ZHP104IL	9.2	15.0	14.6		1"	38	3.1	2.4
Inline	ZHP200IL	13.2	15.0	19.6		1"	38	4.4	3.4
Horizontal	ZHP200H	13.2	15.0	17.2		1"	38	4.4	3.4
Stand Model	ZHP200F	13.2	15.0	19.9	6.0	1"	38	4.4	3.4
Stand Model	ZHP202	21.1	17.7	23.9	5.9	1"	38	7.1	5.4
Stand Model with Pump Bracket	ZHP202BV	21.1	17.7	24.9	5.9	1"	38	7.1	5.4
Horizontal Model with Pump Bracket	ZHP202BH	21.1	17.7	19.1		1"	38	7.1	5.4
Horizontal Spacemaker	ZHP202SM	21.1	17.7	18.1		1"	38	7.1	5.4
Stand Model	ZHP203	27.7	19.7	26.2	6.5	1 1/4"	38	9.3	7.2
Stand Model	ZHP204	39.6	19.7	35.3	8.5	1 1/4"	38	13.2	10.2
Stand Model	ZHP250	52.8	23.6	32.0	8.9	1 1/4"	38	15.6	13.6
Stand Model	ZHP251	66.0	24.8	37.7	9.6	1 1/4"	38	22.0	17.1
Stand Model	ZHP302	79.3	24.8	43.5	9.6	1 1/4"	38	23.4	20.5
Stand Model	ZHP350	105.7	24.8	57.1	9.6	1 1/4"	38	35.2	27.3
Stand Model	ZHP351	119	31	52.8	11.4	1 1/4"	38	37.1	32.1
Stand Model	ZHP400	132.1	29.5	52.8	11.4	1 1/4"	38	39.1	34.1
Stand Model	ZHP451	158.5	29.5	61.2	11.4	1 1/4"	38	52.8	40.9

## ■ zilmet well tank sizing chart

Gallons per Minute GPM	30/50 psig		40/60 psig	
	1 min	2 min	1 min	2 min
5	ZHP202	ZHP203	ZHP202	ZHP203
10	ZHP203	ZHP203	ZHP251	ZHP302
12	ZHP250	ZHP250	ZHP302	ZHP302
15	ZHP250	ZHP251	ZHP302	ZHP351
20	ZHP251	ZHP302	ZHP350	ZHP302
25	ZHP302	ZHP302	ZHP 302	ZHP302
30	ZHP302	ZHP351	ZHP302	ZHP350
35	ZHP351	ZHP351	ZHP350	ZHP350

\* Use this chart to properly size your well tank to prevent excessive wear and tear on your well pump and to reduce energy consumption

## ■ technical drawings



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