



## Submittal Form

### ZELA Series

#### Hydronic Expansion Tank with Replaceable Bladder

Date: 04/2022

Company Name: \_\_\_\_\_

Contact: \_\_\_\_\_

Bill to: \_\_\_\_\_

Date: \_\_\_\_\_

Ship to: \_\_\_\_\_

Purchase Order No. \_\_\_\_\_

Notes \_\_\_\_\_

### Description

Zilmet USA ZELA Tanks are ASME removable bladder type pre-charged expansion tanks. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems. The system's expanded water (fully compatible with water/glycol mixtures) is contained in a full acceptance heavy-duty butyl bladder that prevents tank corrosion and waterlogging problems. All ZELA expansion tanks can be installed vertically or horizontally.

### Construction

Shell: Carbon Steel

Membrane: Heavy Duty Butyl Full Acceptance  
Replaceable Bladder

System Connection: Carbon Steel

### Performance Limitations

Min/Max Design Temperatures: -20 to 240°F

Maximum Design Pressure: 125 PSIG\*

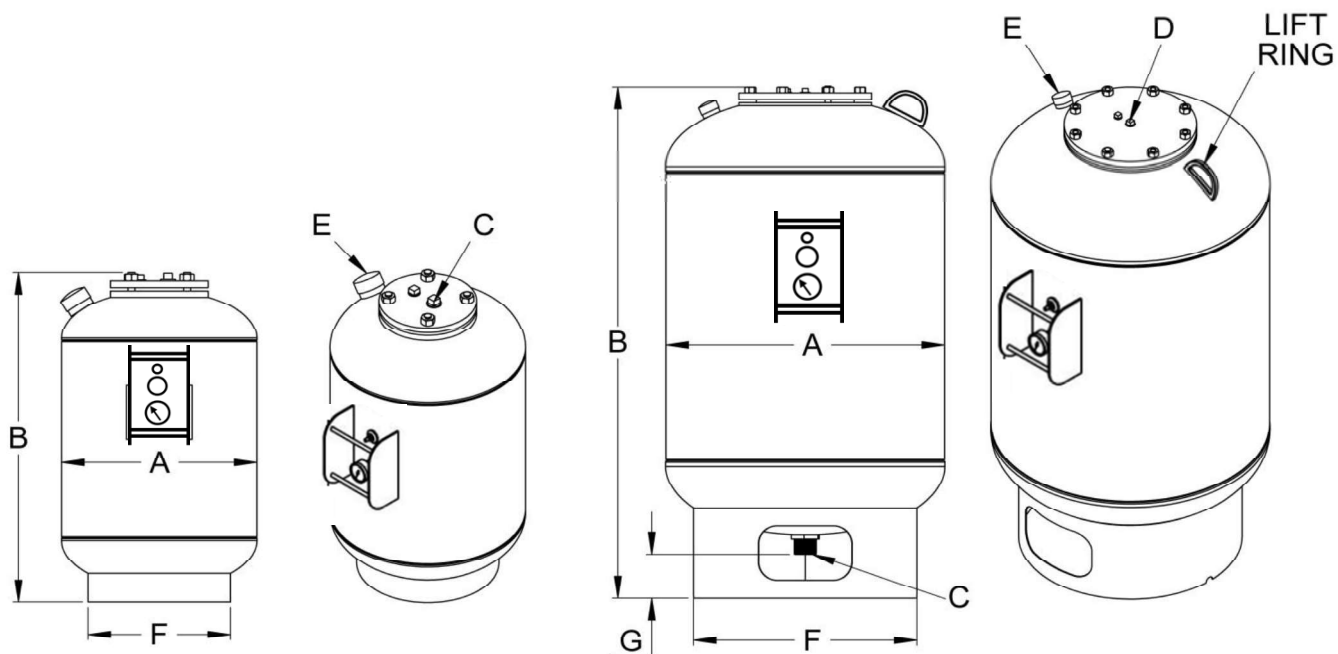
\*150, 200 & 250 PSIG available

Model Number	Part Number	Tank Volume (gallons)	Tagging Information	Quantity
ZELA-35	22010035	10		
ZELA-50	22010050	13		
ZELA-85	22010085	23		
ZELA-130	22010130	35		
ZELA-200	22010200	53		
ZELA-300	22010300	79		
ZELA-400	22010400	106		
ZELA-500	22010500	132		
ZELA-600	22010500	158		
ZELA-800L	22010805	211		

### Typical Specification

Furnish and install, as shown on plans, a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged steel expansion tank with heavy-duty butyl bladder. The tank shall have NPT system connections and a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code.

Each tank shall be Zilmet USA model number ZELA-\_\_\_\_\_ or approved equal.



ZELA-35 and ZELA-50

ZELA-85 thru ZELA-800L

Model Number	Dimension in Inches							Approx Ship Wt. (lbs)		
	A	B	System Connection		Charging Valve	F	G			
			C	D	E					
ZELA-35	12	23 1/2	3/4	-	0.302" - 32NC	10	-	40		
ZELA-50	14	24		-		10	-	50		
ZELA-85	16	37	1	1/2		12	5 1/2	90		
ZELA-130	20					16		125		
ZELA-200	24	43	1 1/2	3/4		0.302" - 32NC	20	5 1/4	210	
ZELA-300		55							225	
ZELA-400	30	49					24		5 1/4	300
ZELA-500		57								335
ZELA-600		65								360
ZELA-800L	32	76								28

## Notes

- Tanks are factory precharged at 40psi and field adjustable.
- California code sight glass is standard.
- Pressure gauge and side mounted air stem are standard.
- For use up to 50% glycol.
- Available with seismic restraint mounting clips.
- 304 and 316 stainless steel ASME tanks available upon request.
- Lifting ring on ZETA40 thru ZETA280.



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#### Description

Zilmet USA ZELA Tanks are ASME removable bladder type pre-charged expansion tanks. They are designed to absorb the expansion forces and control the pressure in heating/cooling systems. The system's expanded water (fully compatible with water/glycol mixtures) is contained in a full acceptance heavy-duty butyl bladder that prevents tank corrosion and waterlogging problems. All ZELA expansion tanks can be installed vertically or horizontally.

#### Construction

Shell: Carbon Steel

Membrane: Heavy Duty Butyl Full Acceptance Replaceable Bladder

System Connection: Carbon Steel

#### Performance Limitations

Min/Max Design Temperatures: -20 to 240°F

Maximum Design Pressure: 125 PSIG\*

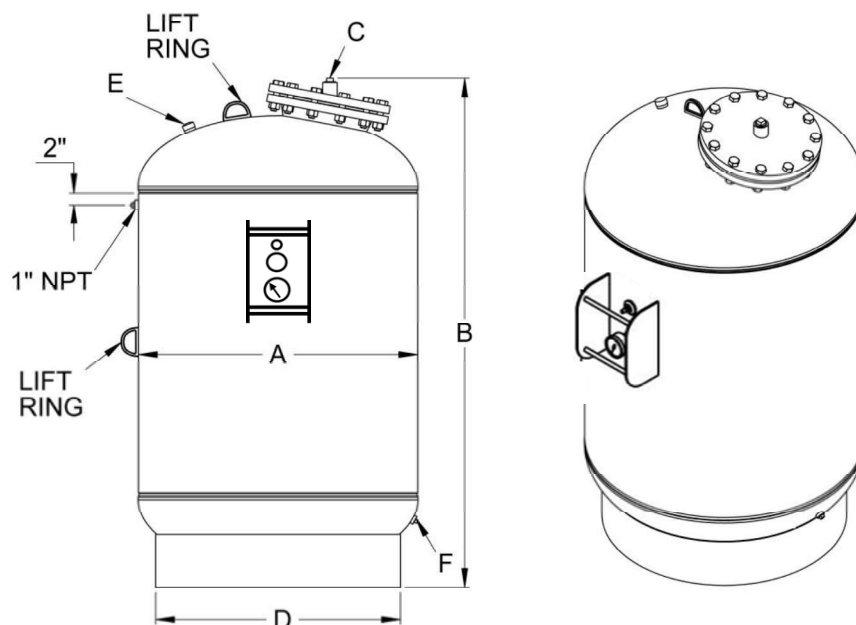
\*150, 200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
ZELA-1000	22011000	264		
ZELA-1200	22011200	317		
ZELA-1400	22011400	370		
ZELA-1600	22011600	422		
ZELA-2000	22012000	528		
ZELA-2500	22012500	660		
ZELA-3000L	22013000	792		
ZELA-3000S	22013001	792		
ZELA-4000	22014000	1056		
ZELA-5000	22015000	1320		
ZELA-7500	22017500	1980		
ZELA-10000	22019999	2640		
ZELA-15000	22019998	3963		

#### Typical Specification

Furnish and install, as shown on plans, a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged steel expansion tank with heavy-duty butyl bladder. The tank shall have NPT system connections and a 0.302"-32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank shall be fitted with lifting rings and a floor mounting skirt for vertical installation. The tank must be constructed in accordance with most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code.

Each tank shall be Zilmet USA model number ZELA-\_\_\_\_\_ or approved equal.



ZELA-1000 thru ZELA-15000

Model Number	Dimensions in Inches						Approx. Ship Wt. (lbs)
	A	B	System Connection	D	Charging Valve	Drain	
			C		E	F	
ZELA-1000	36	75	1 1/2	30	0.302" -32NC	3/4	710
ZELA-1200		87					720
ZELA-1400		99					875
ZELA-1600	48	74	42	1100			
ZELA-2000		87		1280			
ZELA-2500		95		1435			
ZELA-3000L		122		1550			
ZELA-3000S	60	80	54	1		2169	
ZELA-4000		102				2638	
ZELA-5000		125				3246	
ZELA-7500	72	127	3			66	4005
ZELA-10000		159					4845
ZELA-15000		233					5925

## Notes

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- California code sight glass is standard.
- Pressure gauge and side mounted air stem are standard.
- For use up to 50% glycol.
- Available with seismic restraint mounting clips.
- 304 and 316 stainless steel ASME tanks available upon request.
- Lifting ring on ZETA40 thru ZETA280.