



# ZILMET USA

## *2026 List Price Catalog*



ZILMETUSA.COM



**ALWAYS MOVING FORWARD<sup>TM</sup>**

# Table Of Contents

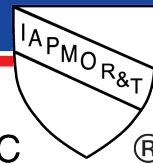
|                                                                               |       |
|-------------------------------------------------------------------------------|-------|
| ZILMET Hydro-Plus (ZHP) Well Tanks.....                                       | 2     |
| ZILMET Hydro-Plus (ZHPBC) Bottom Connection Well Tanks.....                   | 3     |
| ZILMET Easy Pro (ZEP) Thermal Expansion Tanks.....                            | 4     |
| ZILMET Stainless Steel Expansion Tanks (ZS).....                              | 5     |
| ZILMET ActivFlo (ZAF).....                                                    | 6     |
| ZILMET ActivFlo Lite and Tankless Protection Kit (ZAF & ZTPK).....            | 7     |
| ZILMET Maximizer.....                                                         | 8     |
| ZILMET Cal Pro (ZHT)                                                          |       |
| Hydronic Expansion Tanks.....                                                 | 9     |
| Specialty Hydronic Tanks (ZFT & ZHT-R).....                                   | 10    |
| ZILMET Specialty Hydronic Products (ZBT & ZHS).....                           | 11    |
| ZILMET Expansion Tank Accessories.....                                        | 12    |
| ZILMET Zil-Kit Boiler Trim Kit Package and Boiler Accessories (ZBTK).....     | 13-15 |
| ZILMET Magnetic Filter (ZMF).....                                             | 16    |
| ZILMET MAG PRO Magnetic Systems Hub (ZM).....                                 | 17    |
| ZILMET MAG PRO PLUS Magnetic Systems Hub (ZMPP).....                          | 18    |
| ZILMET Heat Exchangers                                                        |       |
| Plate and Frame.....                                                          | 19-20 |
| Brazed Plate.....                                                             | 21-22 |
| Commercial Products.....                                                      | 23    |
| Commercial Accessories.....                                                   | 24    |
| ZILMET Commercial Products                                                    |       |
| ZILMET Hydronic Expansion Tank with Replaceable Bladder (ZELA).....           | 25    |
| ZILMET Hydronic Expansion Tank with Fixed Diaphragm (ZETA).....               | 26    |
| ZILMET Thermal Expansion Tank with Replaceable Bladder (ZTXA).....            | 27    |
| ZILMET Thermal Expansion Tank with Replaceable Bladder                        |       |
| Full Flow (ZTXA-FF).....                                                      | 28    |
| ZILMET Thermal Expansion Tank with Fixed Diaphragm (ZTTA).....                | 29    |
| ZILMET Hydro-Pneumatic Tank with Replaceable Bladder (ZHXA).....              | 30-31 |
| ZILMET Hydro-Pneumatic Tank with Fixed Bladder (ZHXT).....                    | 32    |
| ZILMET Air and Dirt Separators (ZADS).....                                    | 33-34 |
| ZILMET Chilled Water Buffer Tanks (ZCBT) & Hot Water Buffer Tanks (ZHBT)..... | 35    |
| ZILMET Tangential Air Separators (ZPA).....                                   | 36    |
| ZILMET Hydraulic Separators (ZPSA & ZPSAV).....                               | 37    |
| ZILMET Shock and Surge (ZSSA).....                                            | 38    |
| ZILMET Glycol Make Up (ZGMP).....                                             | 39    |
| ZILMET Warranty List.....                                                     | 40    |

# ZILMET Hydro-Plus™ Well Tanks (ZHP)

## Inline and Side Connection Models



NSF/ANSI/CAN 61



Stainless steel side connection allows for quicker, less expensive installation

### IN LINE MODELS (TAN)

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPTM) | Shipping Dimensions (LxWxH) | System Drawdown 30-50 (psi) | System Drawdown 40-60 (psi) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------|---------------------------|--------------------|
| ZEP5        | 2.1          | 6.0               | 3/4"                   | 9" x 9" x 13"               | 0.7                         | 0.6                         | 5041337           | 10                        | \$ 302.40          |
| ZEP12       | 4.8          | 9.0               | 3/4"                   | 11" x 11" x 16"             | 1.6                         | 1.4                         | 5041344           | 10                        | \$ 384.40          |
| ZEP18       | 6.3          | 12.0              | 3/4"                   | 12" x 12" x 18"             | 2.2                         | 1.9                         | 5041351           | 10                        | \$ 564.48          |
| ZHP104IL    | 9.2          | 14.0              | 1"                     | 16" x 16" x 18"             | 3.1                         | 2.7                         | 5010241           | 10                        | \$ 870.93          |
| ZHP200IL    | 13.2         | 20.0              | 1"                     | 16" x 16" x 23"             | 4.5                         | 3.9                         | 5010258           | 10                        | \$ 1,026.91        |

### STAND MODELS WITH SIDE CONNECTION (TAN)

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPTM) | Shipping Dimensions (LxWxH) | System Drawdown 30-50 (psi) | System Drawdown 40-60 (psi) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------|---------------------------|--------------------|
| ZHP200F     | 13.2         | 20.0              | 1"                     | 16" x 16" x 23"             | 4.5                         | 3.9                         | 5010562           | 10                        | \$1,124.60         |
| ZHP-202     | 21.0         | 31.0              | 1"                     | 18" x 18" x 29"             | 7.2                         | 6.2                         | 5010272           | 10                        | \$1,459.80         |
| ZHP-203     | 28.0         | 43.0              | 1 1/4"                 | 20" x 20" x 32"             | 9.5                         | 8.2                         | 5010289           | 10                        | \$1,993.05         |
| ZHP-204     | 40.0         | 54.0              | 1 1/4"                 | 20" x 20" x 40"             | 13.5                        | 11.7                        | 5010296           | 10                        | \$2,799.79         |
| ZHP-250     | 55.0         | 73.0              | 1 1/4"                 | 20" x 20" x 51"             | 18.0                        | 15.6                        | 5010838           | 10                        | \$3,379.39         |
| ZHP-251     | 66.0         | 98.0              | 1 1/4"                 | 25" x 25" x 42"             | 22.5                        | 19.5                        | 5010302           | 10                        | \$3,658.89         |
| ZHP-302     | 79.0         | 106.0             | 1 1/4"                 | 25" x 25" x 48"             | 27.0                        | 23.4                        | 5010845           | 10                        | \$4,594.62         |
| ZHP-350     | 106.0        | 128.0             | 1 1/4"                 | 25" x 25" x 61"             | 36.0                        | 31.2                        | 5010319           | 10                        | \$6,200.60         |
| ZHP-351     | 119.0        | 125.0             | 1 1/4"                 | 25" x 25" x 70"             | 40.6                        | 35.1                        | 5046998           | 10                        | \$7,648.57         |

BH = Horizontal with welded mounting Bracket  
BV = Vertical with welded mounting Bracket

### PUMP STAND MODELS (TAN)

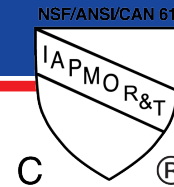
| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPTM) | Shipping Dimensions (LxWxH) | System Drawdown 30-50 (psi) | System Drawdown 40-60 (psi) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------|---------------------------|--------------------|
| ZHP24BH     | 6.3          | 13.0              | 1"                     | 19" x 13" x 15"             | 2.2                         | 1.9                         | 5043751           | 10                        | \$669.50           |
| ZHP200BH    | 13.0         | 20.0              | 1"                     | 28" x 18" x 19"             | 4.5                         | 3.9                         | 5010265           | 10                        | \$1,309.05         |
| ZHP202BV    | 21.0         | 31.0              | 1"                     | 18" x 18" x 29"             | 7.2                         | 6.2                         | 5010555           | 10                        | \$1,568.61         |
| ZHP202BH    | 21.0         | 31.0              | 1"                     | 18" x 18" x 26"             | 7.2                         | 6.2                         | 5010814           | 10                        | \$1,568.77         |

| Description | Material        | Operating Conditions            |
|-------------|-----------------|---------------------------------|
| shell       | carbon steel    | max. operating pressure 150 psi |
| connection  | stainless steel | operating temperature 210° F    |
| diaphragm   | butyl           | factory precharge 38 psi        |
| color       | tan             | warranty 5 years                |

- Please see page 12 for tank accessories

SEE OUR WEBSITE FOR TANK SIZING CALCULATOR

# ZILMET Hydro-Plus™ Well Tanks(ZHP) Bottom Connection Models



## FEATURES

- 150 psi Rated
- All-weather powdercoat finish
- Stainless steel elbow
- Polypropylene base for all weather applications
- 5 year manufacturer's warranty

## BOTTOM CONNECTION MODELS (BLUE)

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | System Drawdown 30-50 (psi) | System Drawdown 40-60 (psi) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------------------|-------------------|---------------------------|--------------------|
| ZHP-202BC   | 21.0         | 32.0              | 1"                    | 18" x 18" x 29"             | 7.2                         | 6.2                         | 5052586           | 10                        | \$1,753.47         |
| ZHP202BV-BC | 21.0         | 27.0              | 1"                    | 18" x 18" x 29"             | 7.2                         | 6.2                         | 5054894           | 10                        | \$1,862.45         |
| ZHP-203BC   | 28.0         | 44.0              | 1 1/4"                | 20" x 20" x 32"             | 9.4                         | 8.2                         | 5054900           | 10                        | \$2,286.93         |
| ZHP-34BC    | 34.0         | 43.8              | 1 1/4"                | 20" x 20" x 35"             | 11.6                        | 10.0                        | 5055785           | 10                        | \$3,230.82         |
| ZHP-204BC   | 40.0         | 56.0              | 1 1/4"                | 20" x 20" x 40"             | 13.5                        | 11.7                        | 5052593           | 10                        | \$3,413.01         |
| ZHP-250BC   | 55.0         | 71.0              | 1 1/4"                | 20" x 20" x 51"             | 18.7                        | 16.1                        | 5055594           | 10                        | \$4,535.34         |
| ZHP-251BC   | 66.0         | 99.0              | 1 1/4"                | 25" x 25" x 42"             | 22.6                        | 19.4                        | 5082323           | 10                        | \$5,049.06         |
| ZHP-302BC   | 79.0         | 117.4             | 1 1/4"                | 25" x 25" x 48"             | 27.0                        | 23.4                        | 5055952           | 10                        | \$5,316.61         |
| ZHP-351BC   | 119.0        | 180.0             | 1 1/4"                | 25" x 25" x 70"             | 40.6                        | 35.1                        | 5055969           | 10                        | \$8,258.79         |

## BOTTOM CONNECTION MODELS (TAN)

| Item Number   | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | System Drawdown 30-50 (psi) | System Drawdown 40-60 (psi) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|---------------|--------------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------------------|-------------------|---------------------------|--------------------|
| ZHP202BC-T    | 21.0         | 32.0              | 1"                    | 18" x 18" x 29"             | 7.2                         | 6.2                         | 5082668           | 10                        | \$1,753.47         |
| ZHP202BV-BC-T | 21.0         | 27.0              | 1"                    | 18" x 18" x 29"             | 7.2                         | 6.2                         | 5082675           | 10                        | \$1,862.45         |
| ZHP203BC-T    | 28.0         | 44.0              | 1 1/4"                | 20" x 20" x 32"             | 9.4                         | 8.2                         | 5082682           | 10                        | \$2,286.93         |
| ZHP34BC-T     | 34.0         | 43.8              | 1 1/4"                | 20" x 20" x 35"             | 11.6                        | 10.0                        | 5082699           | 10                        | \$3,230.82         |
| ZHP204BC-T    | 40.0         | 56.0              | 1 1/4"                | 20" x 20" x 40"             | 13.5                        | 11.7                        | 5082705           | 10                        | \$3,413.01         |
| ZHP250BC-T    | 55.0         | 71.0              | 1 1/4"                | 20" x 20" x 51"             | 18.7                        | 16.1                        | 5082712           | 10                        | \$4,535.34         |
| ZHP251BC-T    | 66.0         | 99.0              | 1 1/4"                | 25" x 25" x 42"             | 22.6                        | 19.4                        | 5082729           | 10                        | \$5,049.06         |
| ZHP302BC-T    | 79.0         | 117.4             | 1 1/4"                | 25" x 25" x 48"             | 27.0                        | 23.4                        | 5082736           | 10                        | \$5,316.61         |
| ZHP351BC-T    | 119.0        | 180.0             | 1 1/4"                | 25" x 25" x 70"             | 40.6                        | 35.1                        | 5082767           | 10                        | \$8,258.79         |

- Please see page 12 for tank accessories

| Description      | Material        |
|------------------|-----------------|
| shell            | carbon steel    |
| connection       | stainless steel |
| fixed membrane   | butyl           |
| material of base | polypropylene   |
| tank color       | blue / tan      |
| base color       | grey            |

| Operating Conditions    |         |
|-------------------------|---------|
| max. operating pressure | 150 psi |
| operating temperature   | 210° F  |
| factory precharge       | 38 psi  |
| warranty                | 5 years |

SEE OUR WEBSITE FOR TANK SIZING CALCULATOR

# ZILMET Easy Pro (ZEP) Thermal Expansion Tanks



See page 7 for full Tankless  
Protection Kit



## ZEP1

Stainless steel thermal expansion tanks for on demand and POU water heaters with up to 2 gallon of total water volume.



### SPECIALTY TANKS: ZEP1 IS UPC CERTIFIED

| Item Number | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Sized for up to (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|-------------------|-----------------------|-----------------------------|-----------------------|-------------------|---------------------------|--------------------|
| ZEP1        | 0.5               | 1/2"                  | 3" x 3" x 3"                | 2.0                   | 5054139           | 5                         | \$256.00           |

### IN LINE MODELS: ALL IN LINE TANKS ARE UPC CERTIFIED

| Item Number | Volume (Gal) | Tank Weight (lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------|---------------------------|--------------------|
| ZEP5        | 2.1          | 5.0               | 3/4"                  | 9" x 9" x 13"               | 1.4                     | 5041337           | 5                         | \$302.40           |
| ZEP12       | 4.8          | 9.0               | 3/4"                  | 11" x 11" x 16"             | 3.3                     | 5041344           | 5                         | \$ 384.40          |
| ZEP18       | 6.3          | 11.0              | 3/4"                  | 12" x 12" x 18"             | 4.3                     | 5041351           | 5                         | \$564.48           |
| ZHP24BH     | 6.3          | 13.0              | 1"                    | 19" x 13" x 15"             | 4.3                     | 5043751           | 5                         | \$669.50           |
| ZHP104IL    | 9.2          | 20.0              | 1"                    | 16" x 16" x 18"             | 6.3                     | 5010241           | 5                         | \$870.93           |
| ZHP200IL    | 13.2         | 20.0              | 1"                    | 16" x 16" x 23"             | 9.0                     | 5010258           | 5                         | \$1,026.91         |

### STAND MODELS

IL = Inline

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------|---------------------------|--------------------|
| ZHP200F     | 13.2         | 20.0              | 1"                    | 16" x 16" x 23"             | 9.0                     | 5010562           | 5                         | \$1,124.60         |
| ZHP200BH    | 13.2         | 20.0              | 1"                    | 25" x 15.5" x 18"           | 9.0                     | 5010265           | 5                         | \$1,309.05         |
| ZHP202      | 21.1         | 31.0              | 1"                    | 18" x 18" x 26"             | 14.4                    | 5100272           | 5                         | \$1,459.80         |
| ZHP202BH    | 21.1         | 31.0              | 1"                    | 28" x 19" x 19"             | 14.4                    | 5010814           | 5                         | \$1,568.77         |
| ZHP203      | 27.7         | 40.0              | 1 1/4"                | 20" x 20" x 28"             | 18.9                    | 5010289           | 5                         | \$1,993.05         |
| ZHP204      | 39.6         | 54.0              | 1 1/4"                | 20" x 20" x 37"             | 27.0                    | 5010296           | 5                         | \$2,799.79         |
| ZHP250      | 52.8         | 73.0              | 1 1/4"                | 24" x 24" x 34"             | 36.0                    | 5010838           | 5                         | \$3,379.39         |
| ZHP251      | 66.0         | 98.0              | 1 1/4"                | 25" x 25" x 40"             | 44.9                    | 5010302           | 5                         | \$3,658.89         |
| ZHP302      | 79.3         | 106.0             | 1 1/4"                | 25" x 25" x 47"             | 54.0                    | 5010845           | 5                         | \$4,594.62         |

F = Feet H = Horizontal B = Welded Pump Bracket

| Description | Material        | Operating Conditions            |
|-------------|-----------------|---------------------------------|
| shell       | carbon steel    | max. operating pressure 150 psi |
| connection  | stainless steel | operating temperature 210° F    |
| diaphragm   | butyl           | factory precharge 38 psi        |
| color       | tan             | warranty 5 years                |

| ZEP1                  | Material & Conditions |
|-----------------------|-----------------------|
| shell                 | stainless steel       |
| connection            | stainless steel       |
| max. pressure         | 150 psi               |
| operating temperature | 210° F                |
| factory precharge     | 50 psi                |
| warranty              | 5 years               |

-Please see page 12 for tank accessories

**SEE OUR WEBSITE FOR TANK SIZING CALCULATOR**

# ZILMET Inox Pro & Ultra Inox Pro (ZS) Stainless Steel Expansion Tanks



## ZILMET INOX PRO & ULTRA INOX PRO (ZS)

All tanks manufactured  
with 304 Stainless Steel

Models ZS8, ZS12 and  
ZS18 are NSF61 Certified

### IN LINE MODELS

### INOX PRO – FIXED DIAPHRAGM MODELS

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------|---------------------------|--------------------|
| ZS160       | 0.04         | 0.5               | 1/4"                  | 4" x 4" x 3"                | N/A                     | N/A               | 5                         | \$188.24           |
| ZS05        | 0.13         | 0.9               | 1/2"                  | 4" x 4" x 5"                | 0.1                     | 5043355           | 5                         | \$236.18           |
| ZS1         | 0.26         | 1.2               | 1/2"                  | 5" x 5" x 7"                | 0.2                     | 5043362           | 5                         | \$303.64           |
| ZS2         | 0.53         | 2.0               | 1/2"                  | 6" x 6" x 8"                | 0.3                     | 5039945           | 5                         | \$337.33           |

### IN LINE MODELS

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------|---------------------------|--------------------|
| ZS8         | 2.1          | 5.0               | 3/4"                  | 9" x 9" x 12"               | 1.5                     | 5038375           | 5                         | \$517.06           |
| ZS12        | 3.2          | 8.0               | 3/4"                  | 11" x 11" x 11"             | 3.2                     | 5038498           | 5                         | \$584.32           |
| ZS18        | 4.8          | 8.0               | 3/4"                  | 11" x 11" x 15"             | 3.3                     | 5043898           | 5                         | \$989.50           |

### ULTRA INOX PRO – REPLACEABLE BLADDER MODELS

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------|---------------------------|--------------------|
| ZS24V       | 6.3          | 10.0              | 1"                    | 12" x 13" x 20"             | 4.9                     | 5044796           | 5                         | \$1,482.89         |
| ZS24H       | 6.3          | 12.0              | 1"                    | 20" x 11" x 12"             | 4.9                     | 5039983           | 5                         | \$1,598.70         |
| ZS60V       | 15.9         | 30.0              | 1"                    | 27" x 16" x 17"             | 12.3                    | 5043348           | 5                         | \$3,121.27         |
| ZS60H       | 15.9         | 29.0              | 1"                    | 27" x 16" x 17"             | 12.3                    | 5044772           | 5                         | \$3,159.59         |
| ZS100V      | 26.4         | 39.0              | 1"                    | 32" x 19" x 20"             | 20.4                    | 5039631           | 5                         | \$4,784.91         |
| ZS100H      | 26.4         | 39.0              | 1"                    | 32" x 19" x 20"             | 20.4                    | 5044789           | 5                         | \$4,810.14         |

V = Vertical, H = Horizontal, B = Welded Pump Bracket

| INOX PRO Operating Conditions                |                |
|----------------------------------------------|----------------|
| max. operating pressure (ZS160)              | 220 psi        |
| max. operating pressure (ZS05-ZS18)          | 150 psi        |
| operating temperature                        | 14° F - 210° F |
| factory precharge up to .53 gal. (ZS160-ZS2) | 50 psi         |
| factory precharge 2.1-4.8 gal. (ZS8-ZS18)    | 36 psi         |
| diaphragm                                    | butyl          |
| warranty                                     | 5 years        |

| ULTRA INOX PRO Operating Conditions |                |
|-------------------------------------|----------------|
| max. operating pressure             | 150 psi        |
| operating temperature               | 14° F - 210° F |
| factory precharge                   | 22 psi         |
| replaceable bladder                 | butyl          |
| warranty                            | 5 years        |

SEE OUR WEBSITE FOR TANK SIZING CALCULATOR

- Please see page 12 for tank accessories

# ZILMET ActivFlo (ZAF) Water Conditioning & Scale Prevention



The ActivFlo is a No-Salt Hard Water Conditioner. Hard water is a common condition that is a result of calcium and magnesium in the water supply.

## NOTES:

Maximum Operating Temperature: 210° F  
Maximum Operating Pressure: 232 psi  
(150 psi for ZAF012MF)  
Material: Stainless Steel  
NSF STD61 Certified (Residential Models)  
Massachusetts PHCC Listed



## RESIDENTIAL WATER CONDITIONER

| Item Number | Description                            | Flowrate (GPM) | Connection Size | Length (In) | Weight (Lbs) | Carton Dimensions (LxWxH) | UPC Code      | Standard Lead Time (Days) | List Price (US \$) |
|-------------|----------------------------------------|----------------|-----------------|-------------|--------------|---------------------------|---------------|---------------------------|--------------------|
| ZAF038      | Nano Low Flow 3/8"                     | Up to 2.9      | 3/8" MNPT       | 3.6"        | 0.2          | 3.5" x 1" x 1"            | 5055143777215 | 5                         | \$607.50           |
| ZAF012      | SOLO-STAINLESS STEEL Point-of-Use 1/2" | 0.7 - 3.6      | 1/2" M/F NPT    | 3.8"        | 0.5          | 4" x 1.25" x 1.25"        | 5055143770926 | 5                         | \$758.88           |
| ZAF012-B    | SOLO-BLACK Point-of-Use 1/2"           | 0.7 - 3.6      | 1/2" M/F NPT    | 3.8"        | 0.5          | 4" x 1.25" x 1.25"        | 5055143790740 | 5                         | \$758.88           |
| ZAF012-C    | SOLO-CHROME Point-of-Use 1/2"          | 0.7 - 3.6      | 1/2" M/F NPT    | 3.8"        | 0.5          | 4" x 1.25" x 1.25"        | 5055143790733 | 5                         | \$758.88           |
| ZAF034      | Residential 3/4"                       | 1.9 - 5.9      | 3/4" MNPT       | 6.0"        | 1.2          | 9" x 9" x 2"              | 5055143768985 | 5                         | \$3,254.24         |
| ZAF010      | Residential 1"                         | 1.9 - 5.9      | 1" MNPT         | 7.3"        | 2.0          | 9" x 9" x 2"              | 5055143768978 | 5                         | \$3,322.28         |
| ZAF010H     | Residential High Flow 1"               | 5.9 - 15.9     | 1" MNPT         | 8.3"        | 2.2          | 9" x 9" x 2"              | 5055143768961 | 5                         | \$3,940.65         |

## COMMERCIAL WATER CONDITIONER

| Item Number | Description           | Flowrate (GPM) | Connection Size | Length (In) | Weight (Lbs) | Carton Dimensions (LxWxH) | UPC Code      | List Price (US \$) |
|-------------|-----------------------|----------------|-----------------|-------------|--------------|---------------------------|---------------|--------------------|
| ZAF125      | Commercial NPT 1-1/4" | 15.9 - 31.0    | 1-1/4" MNPT     | 21.6"       | 6.4          | 3.5" x 3.5" x 30"         | 5055143770612 | \$9,530.35         |
| ZAF150      | Commercial NPT 1-1/2" | 31.0 - 45.0    | 1-1/2" MNPT     | 21.6"       | 7.5          | 3.5" x 3.5" x 30"         | 5055143770605 | \$11,824.76        |
| ZAF200      | Commercial NPT 2"     | 45.0 - 70.0    | 2" MNPT         | 21.6"       | 8.6          | 3.5" x 3.5" x 30"         | 5055143770629 | \$15,428.96        |
| ZAF250      | Commercial NPT 2-1/2" | 70.0 - 92.0    | 2-1/2" MNPT     | 28.0"       | 16.5         | 4.5" x 5" x 43"           | 5055143770636 | \$37,588.76        |

## COMMERCIAL FLANGED WATER CONDITIONER

| Item Number | Description           | Flowrate (GPM) | Connection Size | Length (In) | Weight (Lbs) | Carton Dimensions (LxWxH) | UPC Code      | List Price (US \$) |
|-------------|-----------------------|----------------|-----------------|-------------|--------------|---------------------------|---------------|--------------------|
| ZAF300      | Commercial Flanged 3" | 92.0 - 181.0   | 3" Flanged      | 33.5"       | 44.0         | CALL                      | 5055143770643 | \$53,250.77        |
| ZAF400      | Commercial Flanged 4" | 181.0 - 333.0  | 4" Flanged      | 33.5"       | 55.0         | CALL                      | 5055173770650 | \$86,767.36        |
| ZAF500      | Commercial Flanged 5" | 333.0 - 482.0  | 5" Flanged      | 33.5"       | 77.0         | CALL                      | 5055143770667 | \$121,380.40       |
| ZAF600      | Commercial Flanged 6" | 482.0 - 925.0  | 6" Flanged      | 33.5"       | 86.9         | CALL                      | 5055143770674 | \$164,450.82       |

# ZILMET ActivFlo Lite (ZAF) Water Heater Scale Inhibitor



The ActivFlo Lite is a Point of Use (POU) water conditioner used to protect all appliances and water heaters from scaling issues caused by hard water

## NOTES:

Maximum Operating Temperature: 210° F

Maximum Operating Pressure: 232 psi

Material: Stainless Steel

Massachusetts PHCC Listed

12 Year Warranty

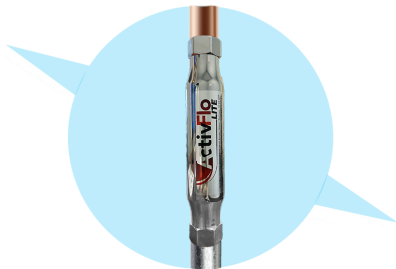


## POINT OF USE WATER CONDITIONER

| Item Number | Description                         | Optimal Flowrate (GPM) | Connection Size | Length (In) | Weight (Lbs) | Carton Dimensions (LxWxH) | UPC Code      | Standard Lead Time (Days) | List Price (US \$) |
|-------------|-------------------------------------|------------------------|-----------------|-------------|--------------|---------------------------|---------------|---------------------------|--------------------|
| ZAFL2234    | Point-of-Use 3/4" Water Conditioner | 4.2 – 12.4             | 3/4" FNPT       | 8.1"        | 1.6          | 9" x 2" x 2"              | 5055143774795 | 5                         | \$852.63           |

For use with traditional water heaters and tankless water heaters.

ZAFL2234 is Certified by IAPMO R&T to NSF/ANSI/CAN 372 for Low Lead Content



Free ActivFlo Lite counter display box with every purchase of 10 or more!

## TANKLESS PROTECTION KIT

| Item Number | Description             | Optimal Flowrate (GPM) | Connection Size | Weight (Lbs) | Carton Dimensions (LxWxH) | UPC Code       | Standard Lead Time (Days) | List Price (US \$) |
|-------------|-------------------------|------------------------|-----------------|--------------|---------------------------|----------------|---------------------------|--------------------|
| ZTPK-O34    | Tankless Protection Kit | 4.2 – 12.4             | 3/4" FNPT       | 2.8          | 10" x 8" x 4"             | 00810183150351 | 5                         | \$819.00           |

**Includes:** ActivFlo Lite Scale Inhibitor

ZEP1 Thermal Expansion and Surge Protector



# ZILMET Maximizer (ZMIX)



ASSE 1017  
Certified

Certified to  
NSF/ANSI 61 & 372

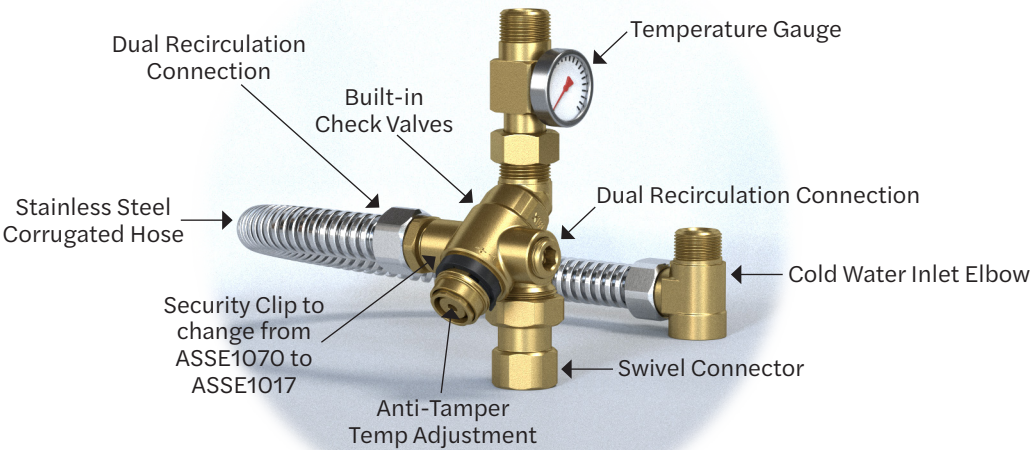
The Maximizer is installed on a water heater and will allow the water heater to safely operate at a higher set point. Two advantages are: (1) more useable hot water from your water heater, (2) higher temperatures kill water-borne bacteria.

**NOTES:**

Temperature Adjustment Range: 95-140° F  
Factory Preset Temperature: 120° F  
Maximum Inlet Temperature: 195° F

Maximum Inlet Pressure: 150 psi  
Maximum Inlet Pressure (dynamic): 75 psi  
Minimum Flow Rate Requirement: 1.2 gpm  
Meets ASSE1070 ASME A112.1070 / CSA B125.70  
Meets ASSE1017 CSA B125.70  
NSF/ANSI 372 Certified  
NSF/ANSI STD61 Certified  
Massachusetts PHCC listed  
*To estimate hot water gained,  
see our Zilmet Tank Calculator on our website.*

| Item Number | Description                                          | Flowrate (GPM) | Connection Size | Length (In) | Weight (Lbs) | Shipping Dimensions (LxWxH) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|------------------------------------------------------|----------------|-----------------|-------------|--------------|-----------------------------|---------------------------|--------------------|
| ZMIX        | Zilmet Thermostatic Mixing Valve 3/4" NPT Connection | 1.2-11.0 GPM   | 3/4" NPT        | 7.75"       | 4.2          | 10" x 8" x 4"               | 5                         | \$894.50           |



SEE OUR WEBSITE FOR THE MAXIMIZER SIZING PROGRAM

# ZILMET Cal Pro (ZHT) Hydronic Expansion Tanks



Side connection  
allows for quicker,  
less expensive  
installation



Side connection on stand models only.

## IN LINE MODELS

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------|---------------------------|--------------------|
| ZHT8-15     | 2.1          | 5.0               | 1/2"                  | 9" x 9" x 13"               | 1.4                     | 5046172           | 5                         | \$142.88           |
| ZHT18-30    | 4.8          | 9.0               | 1/2"                  | 12" x 12" x 16"             | 3.3                     | 5039860           | 5                         | \$178.61           |
| ZHT24-60    | 6.3          | 12.0              | 1/2"                  | 13" x 13" x 17"             | 3.9                     | 5038283           | 5                         | \$327.20           |
| ZHT35       | 9.2          | 18.0              | 3/4"                  | 16" x 16" x 17"             | 5.7                     | 5039877           | 5                         | \$400.37           |
| ZHT50-90    | 13.2         | 22.0              | 3/4"                  | 16" x 16" x 22"             | 8.1                     | 5038290           | 5                         | \$439.60           |

## STAND MODELS

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------|---------------------------|--------------------|
| ZHT35F      | 9.2          | 18.0              | 3/4"                  | 16" x 16" x 17"             | 5.7                     | 5042297           | 5                         | \$487.05           |
| ZHT50F      | 13.2         | 22.0              | 3/4"                  | 16" x 16" x 22"             | 8.1                     | 5042303           | 5                         | \$547.25           |
| ZHT80       | 21.1         | 30.0              | 3/4"                  | 18" x 18" x 25"             | 15.3                    | 5038603           | 5                         | \$693.28           |
| ZHT105      | 27.7         | 44.0              | 3/4"                  | 20" x 20" x 27"             | 20.1                    | 5039839           | 5                         | \$1,077.16         |
| ZHT150      | 39.6         | 47.0              | 3/4"                  | 20" x 20" x 37"             | 28.8                    | 5039846           | 5                         | \$1,368.17         |
| ZHT200      | 52.8         | 55.0              | 3/4"                  | 24" x 24" x 33"             | 38.4                    | 5039884           | 5                         | \$1,698.12         |
| ZHT250      | 66.0         | 86.0              | 3/4"                  | 25" x 25" x 40"             | 48.0                    | 5039891           | 5                         | \$1,972.46         |
| ZHT300      | 79.3         | 112.0             | 3/4"                  | 26" x 26" x 46"             | 57.7                    | 5039907           | 5                         | \$2,523.42         |
| ZHT400      | 105.7        | 131.0             | 3/4"                  | 26" x 26" x 61"             | 76.8                    | 5038740           | 5                         | \$3,475.89         |
| ZHT500      | 132.1        | 162.0             | 1"                    | 30" x 30" x 55"             | 96.0                    | 5039914           | 5                         | \$4,383.98         |
| ZHT600      | 158.5        | 178.0             | 1"                    | 30" x 30" x 62"             | 115.2                   | 5038757           | 5                         | \$5,096.20         |
| ZHT700      | 184.9        | 196.0             | 1"                    | 30" x 30" x 70"             | 134.2                   | 5039921           | 5                         | \$6,800.15         |

| Description | Material             |
|-------------|----------------------|
| shell       | carbon steel         |
| connection  | carbon steel         |
| diaphragm   | SBR synthetic rubber |
| color       | grey                 |

| Operating Conditions                       |         |
|--------------------------------------------|---------|
| max. operating pressure (2.1 gal)          | 75 psi  |
| max. operating pressure (4.8 - 13.2 gal)   | 60 psi  |
| max. operating pressure (21.1 - 184.9 gal) | 90 psi  |
| max. operating temperature                 | 210° F  |
| factory precharge                          | 12 psi  |
| warranty                                   | 5 years |

For Hydronic Use Only / Not For Potable Water

[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

# ZILMET Specialty Hydronic Tanks (ZFT & ZHT)



## ZILMET (ZFT) FLAT HYDRONIC EXPANSION TANKS

All tanks come with a fixed mounting bracket and a union connection with a two way service check valve

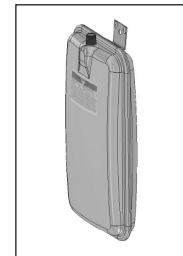
| Item Number | Volume (Gal)                                                             | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------------------------------------------------------------------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------|---------------------------|--------------------|
| ZFT8R-15    | 2.1                                                                      | 11.0              | 1/2"                  | 20" x 11" x 5"              | 1.1                     | 5042587           | 5                         | \$282.74           |
| ZFT18R-30   | 4.8                                                                      | 20.0              | 1/2"                  | 20" x 15" x 7"              | 2.7                     | 5042600           | 5                         | \$462.67           |
| ZFT24R-60   | 6.3                                                                      | 22.0              | 1/2"                  | 20" x 15" x 8"              | 3.9                     | 5050322           | 5                         | \$588.50           |
| ZFT-U       | Union connection with a two way check valve included with all Flat Tanks |                   |                       |                             |                         |                   | 5                         | \$67.20            |

| Operating Conditions                       |          |
|--------------------------------------------|----------|
| factory precharge                          | 12 psi   |
| max. working pressure ZFT8C, ZFT18C, ZFT8R | 43.5 psi |
| max. working pressure ZFT18R, ZFT24R       | 51 psi   |
| max. operating temperature                 | 194° F   |
| color                                      | gray     |
| warranty                                   | 5 years  |



**ZFT-U:**  
Union connection with a two way check valve.

**Tank union works on all 1/2" in line hydronic expansion tanks**



Hanging Bracket

For Hydronic Use Only / Not For Potable Water

## ZILMET CAL PRO (ZHT) IN-LINE HYDRONIC RADIANT TANKS

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|-------------------|---------------------------|--------------------|
| ZHT-R15     | 2.1          | 5.0               | 1/2"                  | 8" x 8" x 11"               | 1.4                     | 5051725           | 5                         | \$232.60           |
| ZHT-R30     | 4.8          | 10.0              | 1/2"                  | 11" x 11" x 14"             | 3.3                     | 5051732           | 5                         | \$260.82           |

| Description | Material        |
|-------------|-----------------|
| shell       | carbon steel    |
| connection  | stainless steel |
| diaphragm   | butyl           |
| color       | grey            |

| Operating Conditions    |         |
|-------------------------|---------|
| max. operating pressure | 150 psi |
| operating temperature   | 210° F  |
| factory precharge       | 12 psi  |
| warranty                | 5 years |



### TECHNICAL FEATURES:

- Designed for low temperature radiant floor systems
- All radiant tanks have a polypropylene liner to prevent corrosion due to oxygen entering the system
- All tanks come with a stainless steel connector
- Suitable for use with glycol

For Hydronic Use Only / Not For Potable Water

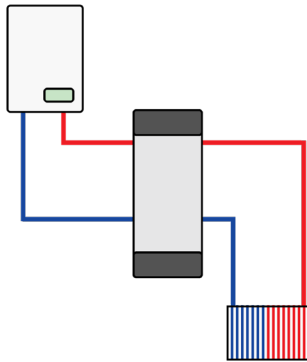
[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

# ZILMET Specialty Hydronic Products (ZBT & ZHS)

## ZILMET BUFFER TANKS

ZBT Buffer Tanks provide thermal mass and hydraulic separation to minimize cycling, simplify installation and reduce energy use.

| Item Number | Volume | Weight (Lbs) | System Connection (NPTF) | Vent & Drain Tappings (NPTF) | Sensor Port (NPTF) | Shipping Dimensions (LxWxH) | UPC Code | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------|--------------|--------------------------|------------------------------|--------------------|-----------------------------|----------|---------------------------|--------------------|
| ZBT-7       | 7.0    | 26.0         | 1"                       | 3/4"                         | 1/2"               | 12" x 12" x 37"             | 5082101  | 5                         | \$904.79           |
| ZBT-14      | 14.0   | 37.0         | 1 1/4"                   | 3/4"                         | 1/2"               | 14.5" x 14.5" x 40"         | 5082118  | 5                         | \$1,013.36         |
| ZBT-21      | 21.0   | 46.0         | 1 1/4"                   | 1 1/4"                       | 1/2"               | 20" x 20" x 36.5"           | 5082132  | 5                         | \$1,201.54         |
| ZBT-28      | 28.0   | 47.0         | 1 1/4"                   | 1 1/4"                       | 1/2"               | 20" x 20" x 42"             | 5082149  | 5                         | \$1,345.91         |



### Operating Conditions

|                            |                               |
|----------------------------|-------------------------------|
| max. working pressure      | 60 psi                        |
| max. operating temperature | 200° F                        |
| fluid compatibility        | water or glycol mix up to 50% |
| tank material              | welded steel                  |
| warranty                   | 5 years                       |

### All models include accessory trim kit:

- Hardware for floor-standing or wall-mounted installation
- Float-type air vent, quarter-turn drain valve, NPT bushings and 1/2" plug

## ZILMET HYDRAULIC SEPARATOR

Hydraulic Separators are for hydronic heating and chilled water systems.

| Item Number | Weight (Lbs) | System Connection (NPTF) | Max Flow (gpm/circuit) | Shipping Dimensions (LxWxH) | UPC Code      | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|--------------------------|------------------------|-----------------------------|---------------|---------------------------|--------------------|
| ZHS-100     | 9.0          | 1"                       | 11                     | 6.5" x 6" x 23.5"           | 5055143789539 | 5                         | \$488.74           |
| ZHS-125     | 13.5         | 1 1/4"                   | 18                     | 7" x 6" x 28.5"             | 5055143789546 | 5                         | \$635.03           |
| ZHS-150     | 13.5         | 1 1/2"                   | 26                     | 8.5" x 8" x 28.5"           | 5055143789553 | 5                         | \$1,000.18         |
| ZHS-200     | 27.0         | 2"                       | 40                     | 9.5" x 8" x 38"             | 5055143789560 | 5                         | \$1,183.89         |

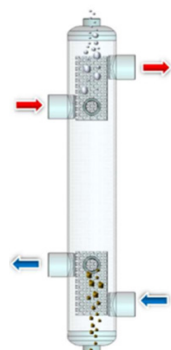
### Operating Conditions

|                            |                               |
|----------------------------|-------------------------------|
| max. working pressure      | 150 psi                       |
| max. operating temperature | 200° F                        |
| fluid compatibility        | water or glycol mix up to 50% |
| tank material              | welded steel                  |
| warranty                   | 5 years                       |

### All models include accessory trim kit:

- Two-piece, molded clamshell insulation
- Float-type air vent, quarter-turn drain valve, 1/2" plugs

All models include Trim Kit with air vent, drain and fittings



# ZILMET Expansion Tank Accessories

## TANK T KITS



### ZTK-1

- ZILMET Tank T Kit – No Lead
- Tank T Fitting Package with ZTT -1 for 1" connection.

List Price: \$230.68

### ZTK-2

- ZILMET Tank T Kit – No Lead
- Tank T Fitting Package with ZTT -2 for 1 1/4" connection.

List Price: \$268.68

### PACKAGE CONTAINS

- No Lead Brass Tank T with Swivel Union Nut
- 40/60 Pressure Switch
- No Lead Pressure Gauge 0-100 psi
- 1/4" NPT X 3" No Lead Brass Nipple
- 1/2" NPT No Lead Brass Boiler Drain with Hose Bibb
- 1/2" No Lead Pressure Relief Valve

| ULTRA PRO/INOX<br>PRO-REPLACEMENT MEMBRANES    | Standard<br>Lead Time<br>(Days) | List Price<br>(US \$) |
|------------------------------------------------|---------------------------------|-----------------------|
| Replacement membrane for 24L Ultra Pro Tank    | 5                               | \$358.89              |
| Replacement membrane for 60-80L Ultra Pro Tank | 5                               | \$404.46              |
| Replacement membrane for 100L Ultra Pro Tank   | 5                               | \$445.62              |
| Replacement membrane for 200L Ultra Pro Tank   | 5                               | \$825.30              |
| Replacement membrane for 300L Ultra Pro Tank   | 5                               | \$1,029.84            |
| Replacement membrane for 500L Ultra Pro Tank   | 5                               | \$1,678.15            |

## TANK T UNION



### ZTT-1

1" connection size  
List Price: \$98.00



### ZTT-2

1 1/4" connection size  
List Price: \$137.20



## STAINLESS STEEL FLEX CONNECTORS



Our new connector allows for easier and faster installation in tank replacement applications.

| Item Number | Length | Item Weight (Lbs) | Connections       | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------|-------------------|-------------------|---------------------------|--------------------|
| ZFLEX 1-12  | 12"    | .40               | 1" NPT female     | 5                         | \$74.40            |
| ZFLEX 1-18  | 18"    | .40               | 1" NPT female     | 5                         | \$82.96            |
| ZFLEX 2-18  | 18"    | .60               | 1 1/4" NPT female | 5                         | \$105.20           |

- Max working pressure: 125 psi
- Max working temp: 240° F
- UPC Certified
- AB 1953 Compliant
- Complies with NSF61
- Meets ASME A112.18.6

## MOUNTING BRACKETS FOR TANKS UP TO 6.3 GAL



ZWH B \$78.70



ZWH HP \$84.30



ZWH M \$50.02

## UNION CONNECTION



Union connection with a two way check valve for hydronic use only

ZFT-U \$67.20

# ZILMET Zil-Kit (ZBTK) Boiler Trim Kit Package

This kit enables the installer to carry the essential components for a heating system in one compact carton.

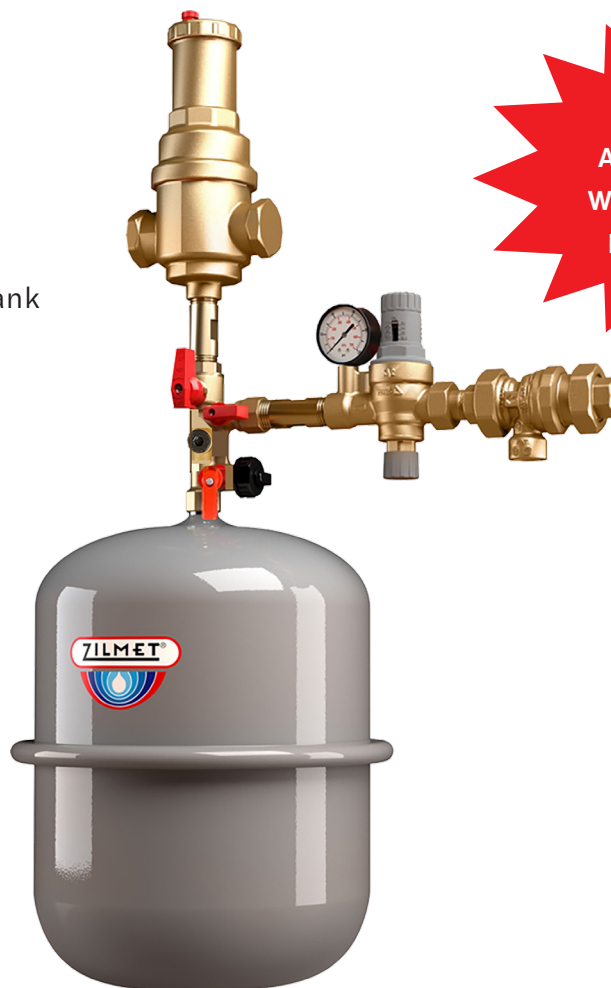
Available in NPT and SWT connections

The Assembly Includes

- 4.8 gal or 6.3 gal hydronic expansion tank
- Microbubble eliminator
- Multi isolation valve
- Backflow prevention device
- Boiler fill valve with pressure gauge
- Brass connector nipples (2)

## FEATURES AND BENEFITS

- 4.8 gal or 6.3 gal hydronic expansion tank included in package
- NPT and SWT connections
- All in one package solution
- Multi isolation valve
- Drain off outlet for easy system servicing
- Microbubble eliminator
- For use with up to 50% glycol



## PRODUCT RANGE AND DIMENSIONS

| Item Number | Weight (Lbs) | Connection Size | Shipping Dimensions (LxWxH) | UPC Code (801985) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|-----------------|-----------------------------|-------------------|---------------------------|--------------------|
| ZBTK02N-30  | 18.0         | 1" NPT          | 12.5" x 12.5" x 22"         | 5055198           | 10                        | \$1,587.60         |
| ZBTK03N-30  | 18.0         | 1 1/4" NPT      | 12.5" x 12.5" x 22"         | 5055204           | 10                        | \$1,678.32         |
| ZBTK03N-60  | 21.0         | 1 1/4" NPT      | 12.5" x 12.5" x 22"         | 5055205           | 10                        | \$1,961.82         |
| ZBTK02S-30  | 18.0         | 1" SWT          | 12.5" x 12.5" x 22"         | 5055228           | 10                        | \$1,678.32         |
| ZBTK03S-30  | 18.0         | 1 1/4" SWT      | 12.5" x 12.5" x 22"         | 5055235           | 10                        | \$1,769.04         |
| ZBTK03S-60  | 21.0         | 1 1/4" SWT      | 12.5" x 12.5" x 22"         | 5055236           | 10                        | \$1,917.64         |
| ZBTK02P-30  | 18.2         | 1" Press        | 12.5" x 12.5" x 22"         | 5080893           | 10                        | \$1,674.92         |
| ZBTK03P-30  | 18.2         | 1 1/4" Press    | 12.5" x 12.5" x 22"         | 5080909           | 10                        | \$1,689.66         |
| ZBTK03P-60  | 21.2         | 1 1/4" Press    | 12.5" x 12.5" x 22"         | 5080910           | 10                        | \$1,838.26         |

-30 indicates 4.8 gal tank (ZHT18) -60 indicates 6.3 gal tank (ZHT24)

Boiler Trim Kit and Accessories for Hydronic Use Only / Not For Potable Water

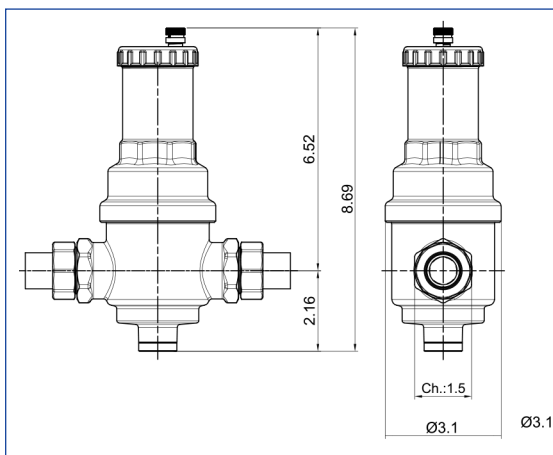
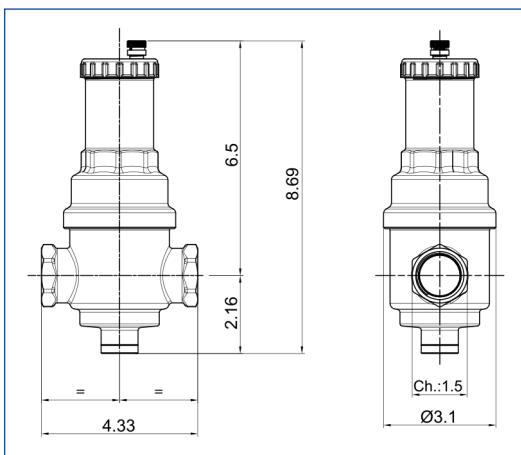
# ZILMET Boiler Accessories

## MICROBUBBLE ELIMINATOR

ZILMET Microbubble Eliminator is designed to vent trapped air within sealed systems at pressures up to 150 psi. This helps to maintain optimum system efficiency, improves energy usage, reduces system corrosion, eliminates noise from system pipe work and helps to extend the working life of system heat pumps.



| Item Number | Product Range Description | UPC Code (505514) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|---------------------------|-------------------|---------------------------|--------------------|
| ZU0002      | 1" NPT                    | 3759280           | 5                         | \$598.75           |
| ZU0003      | 1¼" NPT                   | 3759297           | 5                         | \$861.84           |
| ZU0004      | ¾" SWT                    | 3759303           | 5                         | \$580.61           |
| ZU0005      | 1" SWT                    | 3759310           | 5                         | \$625.97           |
| ZU0006      | 1¼" SWT                   | 3759327           | 5                         | \$986.58           |
| ZU0011      | 1 ½" NPT                  | 3789652           | 5                         | \$1,168.02         |
| ZU0012      | 2" NPT                    | 3789669           | 5                         | \$1,382.35         |

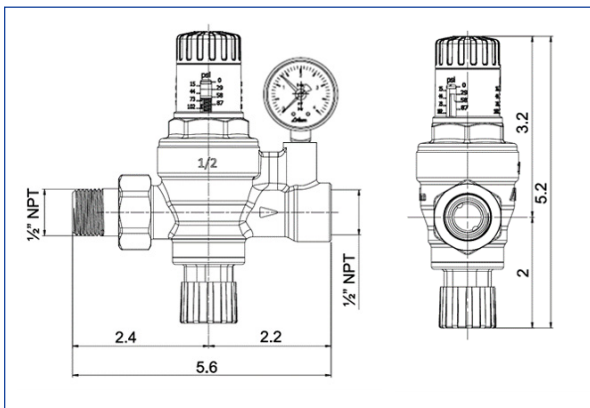
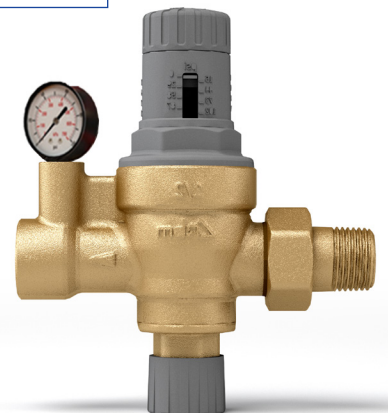


## BOILER FILL VALVE

ZILMET Boiler Fill Valve is a crucial part of a boiler trim kit. Designed as an automatic filling unit which reintegrates fluid into the closed systems in the event of lost fluid deaeration (process produces steam/gas mixture that develops continuously in closed looped heating circuits.)

## FEATURES AND BENEFITS

- Isolation valve standard
- Easy to use "dial up" adjustment head
- Internal check valve prevents the return of potentially contaminated fluid



| Item Number | Product Range Description | UPC Code (505514) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|---------------------------|-------------------|---------------------------|--------------------|
| ZU0007      | ½" Boiler Fill Valve      | 3759334           | 5                         | \$347.00           |

| Operating Conditions    | Boiler Fill Valve | Microbubble Eliminator  |
|-------------------------|-------------------|-------------------------|
| max. operating pressure | 150 psi           | 150 psi                 |
| max. temperature        | 230° F            | 230° F                  |
| inlet connections       | ½" NPT            | ¾" NPT, 1" NPT, 1¼" NPT |
| adjustment range        | 7.5 to 100 psi    | ¾" SWT, 1" SWT, 1¼" SWT |

Boiler Trim Kit and Accessories for Hydronic Use Only / Not for Potable Water

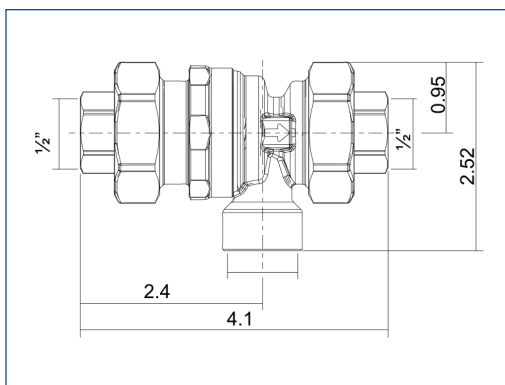
## BACKFLOW PREVENTION DEVICE

The ZILMET Backflow Prevention Device is designed to prevent potentially polluted heating system fluid back flowing into the domestic water system



## FEATURES AND BENEFITS

- Drainage point to visibly identify system operating faults
- Internal stainless steel filter
- NPT or SWT connection options available
- Robust brass construction



| Item Number | Product Range Description           | UPC Code (505514) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|-------------------------------------|-------------------|---------------------------|--------------------|
| ZU0008      | 1/2" Backflow Prevention Device NPT | 3759341           | 5                         | \$286.67           |
| ZU0009      | 1/2" Backflow Prevention Device SWT | 3759358           | 5                         | \$306.63           |

| Operating Conditions    |                    |
|-------------------------|--------------------|
| max. operating pressure | 175 psi            |
| max. temperature        | 32° F to 210° F    |
| inlet connections       | 1/2" NPT, 1/2" SWT |

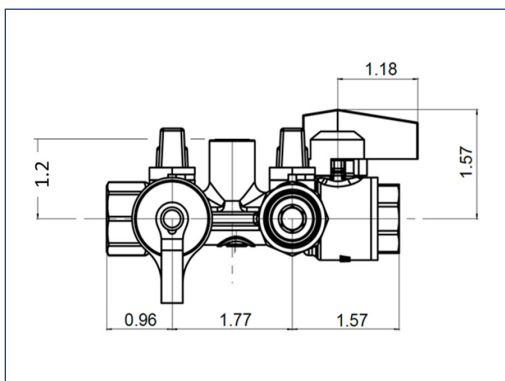
## MULTI ISOLATION VALVE

ZILMET Multi Isolation Valve is the ultimate valve for complete fluid control. The valve allows complete isolation for the inlet flow, expansion vessel and live system providing the ideal component for boiler trim kit assemblies



## FEATURES AND BENEFITS

- Multiple isolation points
- Anti-tamper locking handle



| Item Number | Product Range Description      | UPC Code (505514) | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------------------------|-------------------|---------------------------|--------------------|
| ZU0020      | 1/2" NPT Multi Isolation Valve | 3759372           | 5                         | \$263.09           |

| Operating Conditions    |         |
|-------------------------|---------|
| max. operating pressure | 150 psi |

# ZILMET Magnetic Filter and Dirt Strainer (ZMF)

## MAGNETIC FILTER AND DIRT STRAINER - PROTECTS HYDRONIC SYSTEMS AND COMPONENTS

Zilmet ZMF Magnetic Filters provide magnetic and mechanical separation across a broad range of applications; including boilers, heat pumps and chilled water systems.

### FEATURES:

- Engineered for best-in-class efficiency, offering superior flow rates with less energy consumption
- Powerful magnetite capture and removable 304L stainless strainer for dedicated sludge protection
- Patented, quarter-turn bypass isolates high capacity filter housing for fast service and system dosing
- Detachable, swivel filter body rotates to accommodate any piping angle
- Rugged brass connection hub includes NPTF and PRESS connections so you're ready for every job with half the inventory
- 5 Year Warranty



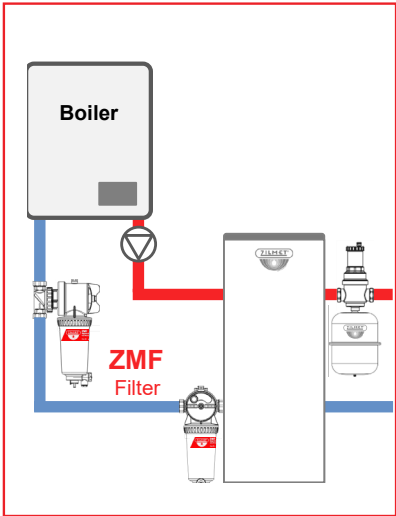
### PRODUCT RANGE AND DIMENSIONS

| Item Number | Weight (Lbs) | Connection Size              | Shipping Dimensions (LxWxH) | UPC Code      | Standard Lead Time (Days) | List Price (US \$) |
|-------------|--------------|------------------------------|-----------------------------|---------------|---------------------------|--------------------|
| ZMF-100     | 3.8          | 1" NPTF and 1" Press         | 7.8"x3.9"x12.8"             | 5055143758818 | 7                         | \$918.54           |
| ZMF-125     | 3.8          | 1 1/4" NPTF and 1 1/4" Press | 8.1"x3.9"x12.8"             | 5055143758825 | 7                         | \$992.93           |

\*Includes NPT & Press conections

| Technical Specification |                                   |
|-------------------------|-----------------------------------|
| max. operating pressure | 90 psi                            |
| max. temperature        | 190° F                            |
| fluid compatibility     | Water or Glycol Mix up to 50%     |
| magnet performance      | Neodymium 11,000 Gauss; ASTM A977 |

For Hydronic Use Only / Not For Potable Water



# ZILMET MAG PRO (ZM)

## Magnetic Systems Hub



### TECHNICAL FEATURES

- Various inlet connection sizes ranging from 1/2" NPT to 2" NPT
- Quick and efficient servicing schedule
- Self closing filter basket for easy debris removal
- Multiple inlet configurations to suit many installations
- Manual and automatic air venting
- Stainless steel filtration down to 100 Microns
- 5 year manufacturer's warranty

### ZILMET MAG

| Item Number | Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | List Price (US \$) |
|-------------|--------------|-----------------------|-----------------------------|--------------------|
| ZM02        | 39.0         | 1/2"                  | 19" x 13" x 12"             | \$3,007.37         |
| ZM03        | 39.0         | 3/4"                  | 19" x 13" x 12"             | \$3,170.66         |
| ZM10        | 39.0         | 1"                    | 19" x 13" x 12"             | \$3,320.35         |
| ZM11        | 39.0         | 1 1/4"                | 19" x 13" x 12"             | \$3,619.73         |
| ZM12        | 39.0         | 1 1/2"                | 19" x 13" x 12"             | \$4,118.69         |
| ZM20        | 39.0         | 2"                    | 19" x 13" x 12"             | \$4,499.71         |

| Technical Specification |             |
|-------------------------|-------------|
| max. operating pressure | 145 psi     |
| max. temperature        | 230° F      |
| degree of filtration    | 100 Microns |

### MICRON FILTER BAGS

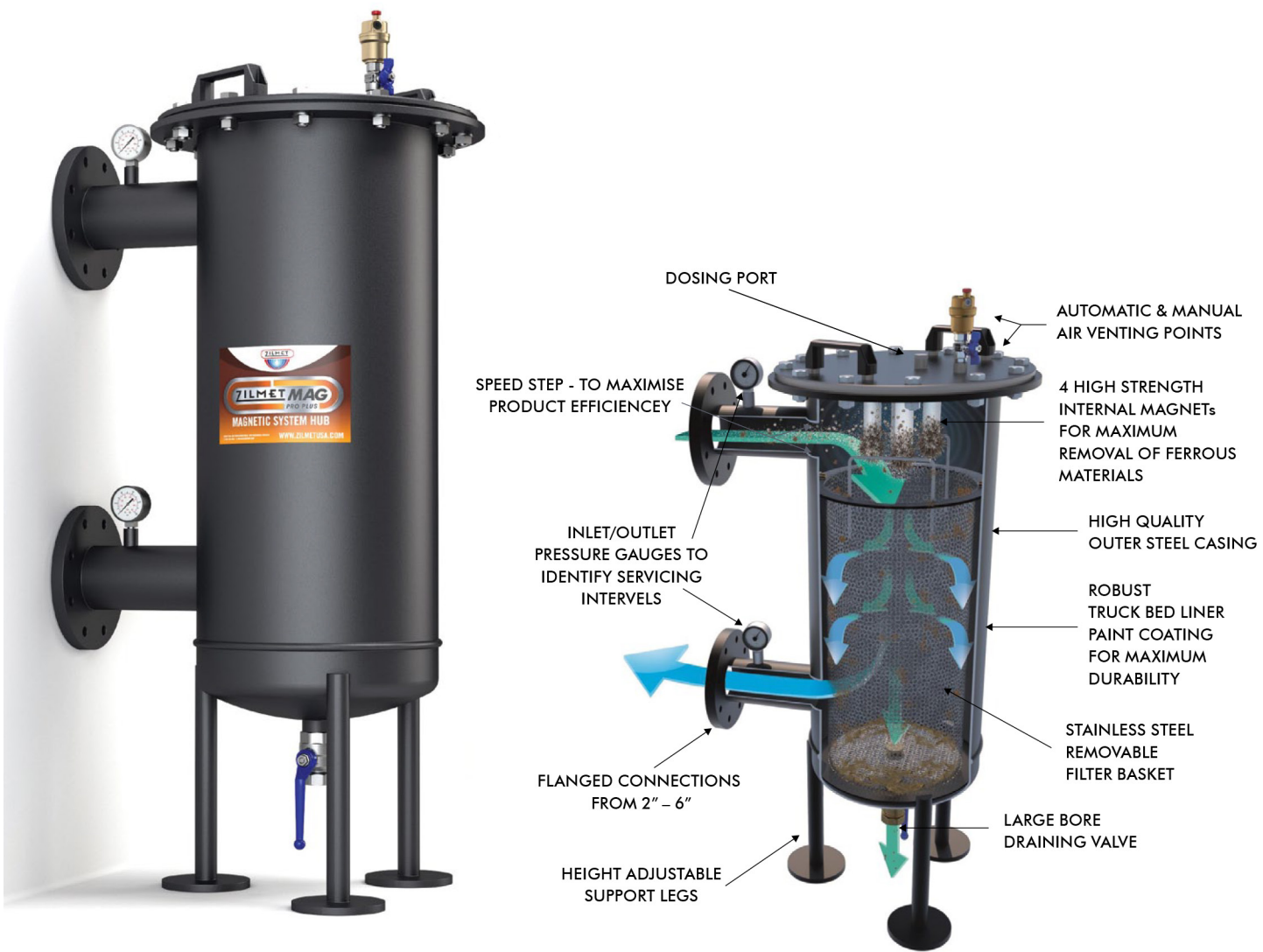
| Item Number | Filter Bag Size | List Price (US \$) |
|-------------|-----------------|--------------------|
| IMPFB01     | 1 Micron        | \$739.22           |
| IMPFB05     | 5 Micron        | \$706.44           |
| IMPFB10     | 10 Micron       | \$673.46           |
| IMPFB20     | 20 Micron       | \$640.67           |
| IMPFB30     | 30 Micron       | \$640.67           |
| IMPFB50     | 50 Micron       | \$624.28           |



For Hydronic Use Only / Not For Potable Water

ZILMET MAG PRO PLUS (ZMPP)

Magnetic System Hub for Commercial and Industrial Systems



ZILMET MAG PRO PLUS

| Item Number | Weight (Lbs) | Connection Size Flanged | Shipping Dimensions (LxWxH) | List Price (US \$) |
|-------------|--------------|-------------------------|-----------------------------|--------------------|
| ZMPP20      | 115.0        | 2"                      | 44" x 18" x 23"             | \$10,786.61        |
| ZMPP22      | 115.0        | 2 1/2"                  | 44" x 18" x 23"             | \$11,521.44        |
| ZMPP30      | 115.0        | 3"                      | 44" x 18" x 23"             | \$12,950.28        |
| ZMPP40      | 115.0        | 4"                      | 44" x 18" x 23"             | \$14,560.56        |
| ZMPP50      | 115.0        | 5"                      | 44" x 18" x 23"             | \$19,219.03        |
| ZMPP60      | 115.0        | 6"                      | 44" x 18" x 23"             | \$21,614.04        |

| Technical Specification |                  |
|-------------------------|------------------|
| max. operating pressure | 145 psi          |
| max. temperature        | 230° F           |
| inlet connection        | 2" to 6" Flanged |
| manufacturers warranty  | 5 years          |

For Hydronic Use Only / Not For Potable Water

# ZILMET Plate and Frame Heat Exchanger

## GENERAL INFORMATION

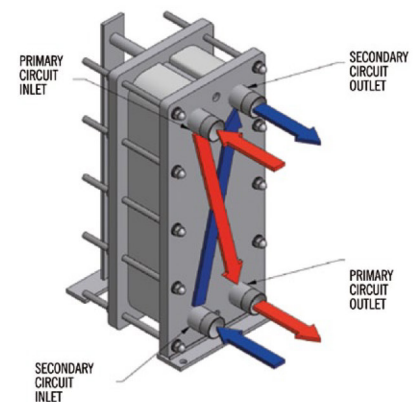
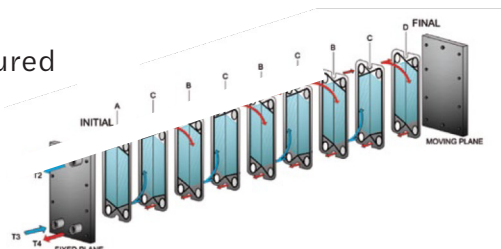
- **Applications:** The ZILMET plate heat exchanger has many applications. These include: production of sanitary hot water, decoupling of thermal circuits, district heating systems, recovery of heat coming from industrial process, cooling or heating of alimentary fluids (milk, beer, wine, etc), cooling of industrial machineries, heating of water for swimming pools and solar systems.
- **Advantages:** In every situation which requires a thermal exchange between two fluids, ZILMET plate heat exchangers are the right choice. The high efficiency, the long life, the low price, the small dimensions, the high modularity, the easy maintenance and the high reliability are some of the most important advantages of ZILMET plate heat exchangers.



## TECHNICAL FEATURES

- **PLATES** The plates are manufactured with 316 L stainless steel .0197 inches thick. This kind of material and thickness allows a smooth and quick transition to assure great corrosion resistance.
- **GASKETS** ZILMET plate heat exchangers are equipped with glued EPDM gaskets with a maximum working temperature of 284° F for particular applications, such as gasoline and oils, they can be equipped on request with nitril glued gaskets, for a maximum working temperature of 230° F.
- **FRAMES** The frames are manufactured with silver painted carbon steel. The thickness is designed for the respective working pressure.

- **TESTS** 100% of ZILMET plate heat exchangers are tested before shipment at 1.5 times the maximum working pressure.
- **TITANIUM PLATE AND FRAME HEAT EXCHANGERS AVAILABLE UPON REQUEST**
- **CUSTOM HEAT EXCHANGERS ARE AVAILABLE UPON REQUEST. PLEASE CONTACT US FOR CUSTOM PRICING.**



– Please call for sizing help and pricing **843.983.1000**

**SEE OUR WEBSITE FOR SIZING CALCULATOR**

# ZILMET Plate and Frame Heat Exchanger

|                                    |                                                             |                 | Z2/10             | Z2/16             | Z3/10              | Z3/16              | Z4/16              |
|------------------------------------|-------------------------------------------------------------|-----------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| <b>FRAME</b>                       | Length                                                      | in              | 7.09              | 7.09              | 3.38               | 13.38              | 14.57              |
|                                    | Height                                                      | in              | 18.90             | 18.90             | 30.71              | 30.71              | 40.94              |
|                                    | Thickness                                                   | in              | 0.47              | 0.55              | 0.98               | 1.18               | 1.38               |
| <b>PLATES</b>                      | Exchange Surface                                            | in <sup>2</sup> | 52.70             | 52.70             | 201.50             | 201.50             | 341.00             |
|                                    | Thickness                                                   | in              | 0.02              | 0.02              | 0.02               | 0.02               | 0.02               |
| <b>TIE RODS</b>                    | Length<br>(nr of plates)                                    | in              | 4.72 (7-13)       | 4.72 (7-13)       | 13.78 (7-49)       | 13.78 (7-51)       | 19.68 (21-73)      |
|                                    |                                                             |                 | 5.90 (15-21)      | 5.90 (15-21)      | 21.65 (51-75)      | 21.65 (53-75)      | 39.37 (>75)        |
|                                    |                                                             |                 | 9.45 (23-35)      | 9.45 (23-35)      | 25.59 (77-101)     | 25.59 (77-101)     |                    |
|                                    |                                                             |                 | 11.81 (37-45)     | 11.81 (37-55)     |                    |                    |                    |
| <b>GUIDE<br/>CARRYING<br/>BARS</b> | Length<br>(nr of plates)                                    | in              | 4.92 (7-13)       | 4.92 (7-13)       | 13.78 (7-49)       | 13.78 (7-51)       | 19.68 (21-73)      |
|                                    |                                                             |                 | 5.71 (15-21)      | 5.71 (15-21)      | 21.65 (51-75)      | 21.65 (53-75)      | 39.37 (>75)        |
|                                    |                                                             |                 | 9.84 (23-35)      | 9.84 (23-35)      | 25.59 (77-101)     | 25.59 (77-101)     |                    |
|                                    |                                                             |                 | 11.81 (37-45)     | 11.81 (37-55)     |                    |                    |                    |
|                                    | Standard Connections                                        | in              | 1" F              | 1" F              | 2" M inox 304      | 2" M inox 304      | 3" F               |
|                                    | Connection Distance                                         | in              | 14.57/2.56        | 14.57/2.56        | 23.78/5.71         | 23.78/5.71         | 33.46/6.61         |
|                                    | Distance between the plates                                 | in              | 0.12              | 0.12              | 0.13               | 0.13               | 0.14               |
|                                    | Approximate weights                                         | lb              | 35.93+0.59 x n° P | 40.78+0.59 x n° P | 220.46+1.76 x n° P | 264.55+1.76 x n° P | 462.97+2.64 x n° P |
|                                    | Nominal pressure                                            | psi             | 145               | 232               | 145                | 232                | 232                |
|                                    | Test pressure                                               | psi             | 217.5             | 348               | 217.5              | 348                | 348                |
|                                    | Max. working temperature<br>(with standard<br>EPDM gaskets) | °F              | 284               | 284               | 284                | 284                | 230                |
|                                    | Max. working temperature<br>(with NBR gaskets)              | °F              | 230               | 230               | 230                | 230                | 230                |

• Plate and Frame Connection: G Threads unless otherwise specified by customer requirements. See Data Submittal Sheets on our website. (NPT available upon request)

• **Brazed Plate Connection: MNPT**

Custom size and configuration available upon request.  
Please call for sizing help and pricing **843.983.1000**

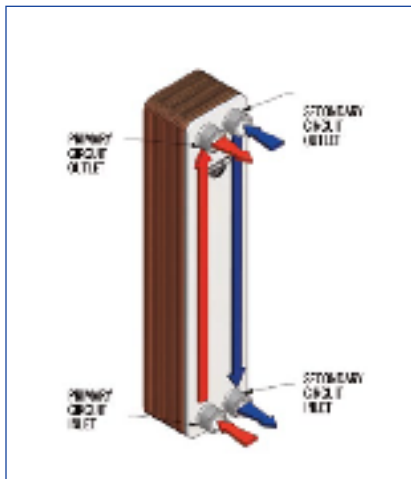
**SEE OUR WEBSITE FOR SIZING CALCULATOR**

# ZILMET Brazen Plate Heat Exchanger

## HEATING SYSTEMS AND GENERAL APPLICATION

ZILMET heat exchangers, made of high quality 316 stainless steel and pure copper are particularly suitable to a wide variety of applications, including:

- Boiler components
- Hot water production with tank, hot water immediate production
- Traditional boiler heating
- Pool heating
- Thermal circuits decoupling
- District heating
- Solar system
- Full line available
- Ideal for hydronic and refrigeration use



## REFRIGERATION/AIR CONDITIONING FIELD

ZILMET has recently extended its range of brazed plate heat exchangers introducing a range of products dedicated to the refrigeration and air conditioning area. The new series has been designed and built for evaporation and condensing units; they are also compatible with various types of refrigerants, including high-pressure ones such as 'R410A'.

Please contact us for more information on these refrigeration heat exchangers.

ZILMET heat exchangers are in full compliance with all safety and functionality requirements of Directive 97/23 / EC on pressure equipment.

**CUSTOM SIZES AND CONFIGURATIONS  
AVAILABLE UPON REQUEST.**

– Please call for sizing help and pricing **843.983.1000**

**SEE OUR WEBSITE FOR SIZING CALCULATOR**

# ZILMET Brazed Plate Heat Exchangers

| Item Number       | Weight (Lbs) | Connection Size (NPT) | List Price (US \$) |
|-------------------|--------------|-----------------------|--------------------|
| ZB190 – 20 plates | 2.4          | 3/4"                  | \$351.23           |
| ZB207 – 14 plates | 1.8          | 3/4"                  | \$390.16           |
| ZB207 – 20 plates | 2.4          | 3/4"                  | \$460.95           |
| ZB207 – 30 plates | 3.5          | 3/4"                  | \$548.79           |
| ZB207 – 36 plates | 4.1          | 3/4"                  | \$580.81           |
| ZB207 – 40 plates | 4.6          | 3/4"                  | \$632.37           |
| ZB315 – 10 plates | 2.3          | 3/4"                  | \$624.30           |
| ZB315 – 16 plates | 3.2          | 3/4"                  | \$694.64           |
| ZB315 – 20 plates | 3.9          | 3/4"                  | \$756.89           |
| ZB315 – 24 plates | 4.6          | 3/4"                  | \$812.33           |
| ZB315 – 30 plates | 5.5          | 3/4"                  | \$904.44           |
| ZB315 – 40 plates | 7.2          | 3/4"                  | \$1,054.55         |

| Description            | Material                  |
|------------------------|---------------------------|
| shaped plates material | stainless steel AISI 316L |
| brazing material       | 99% copper                |
| connection material    | stainless steel AISI 316L |

| OPERATING CONDITIONS                    |              |
|-----------------------------------------|--------------|
| max. working pressure primary circuit   | 72.5 psi     |
| max. working pressure secondary circuit | 145 psi      |
| max. operating temperature              | 14° F/248° F |

| Item Number        | Weight (Lbs) | Connection Size (NPT) | List Price (US \$) |
|--------------------|--------------|-----------------------|--------------------|
| ZB250 – 20 plates  | 8.4          | 1"                    | \$778.29           |
| ZB250 – 30 plates  | 11.0         | 1"                    | \$960.32           |
| ZB250 – 40 plates  | 13.7         | 1"                    | \$1,116.27         |
| ZB250 – 50 plates  | 16.3         | 1"                    | \$1,387.17         |
| ZB250 – 60 plates  | 19           | 1"                    | \$1,590.59         |
| ZB250 – 70 plates  | 21.6         | 1"                    | \$1,715.11         |
| ZB250 – 90 plates  | 26.9         | 1"                    | \$2,205.05         |
| ZB500 – 20 plates  | 14.6         | 1"                    | \$1,181.49         |
| ZB500 – 30 plates  | 19.6         | 1"                    | \$1,515.00         |
| ZB500 – 40 plates  | 24.5         | 1"                    | \$1,843.83         |
| ZB500 – 60 plates  | 34.4         | 1"                    | \$2,505.93         |
| ZB450 – 40 plates  | 48.6         | 2"                    | \$2,642.93         |
| ZB450 – 50 plates  | 58.4         | 2"                    | \$3,051.27         |
| ZB450 – 70 plates  | 78.2         | 2"                    | \$3,607.12         |
| ZB450 – 100 plates | 121.9        | 2"                    | \$5,866.08         |

| Description            | Material                  |
|------------------------|---------------------------|
| shaped plates material | stainless steel AISI 316L |
| brazing material       | 99% copper                |
| connection material    | stainless steel AISI 316L |

| Operating Conditions                    |               |
|-----------------------------------------|---------------|
| max. working pressure primary circuit   | 435 psi       |
| max. working pressure secondary circuit | 435 psi       |
| max. operating temperature              | -58° F/392° F |

SEE OUR WEBSITE FOR SIZING CALCULATOR

– Please call for sizing help and pricing **843.983.1000**

## STANDARD ON ALL ASME RATED EXPANSION TANKS



- 1 Pressure Gauge included and integrated
- 2 Bladder integrity monitor included
  - Allows for fast, accurate assessment of the tanks integrity. The indicator will change color from white to red in case of a compromised bladder or diaphragm
- 3 Easy Access Air Valve at work level on the side of the tank
- 4 Protective guard mount to prevent damage when shipping and installing
- 5 Higher factory pre-charge (at 40 psi) so it can be easily adjusted in the field as needed

### OTHER ASME ACCESSORIES AND UPGRADES INCLUDE

- Seismic Restraints
- Saddles to mount the tank horizontally
- Clips to secure a tank into place
- Available in 304 Stainless Steel
- Available in 316 Stainless Steel

– See page 24 for pricing.

ZILMET offers a full line of ASME rated expansion tanks for all applications. The design and construction is manufactured to conform to ASME Section VIII, Div I.

# ZILMET Commercial Upgrades and Accessories

| Item Number         | Multiplier/Upcharge                                   |
|---------------------|-------------------------------------------------------|
| 304/316 Stainless   | contact for pricing                                   |
| non ASME            | .85                                                   |
| seismic restraints  | ranges based on tank diameter – see below for pricing |
| saddles             | see chart on right for pricing                        |
| replacement bladder | call for pricing and availability                     |

| Max. Working Pressure | Price Multiplier | Price Multiplier |
|-----------------------|------------------|------------------|
| 125                   | standard         | n/a              |
| 150                   | 1.25             | standard         |
| 200                   | 1.50             | 1.25             |
| 250                   | 1.75             | 1.50             |
| 300                   | 2.00             | 1.75             |

## SEISMIC RESTRAINTS (ONE PAIR PER TANK)

| Tank Diameter (In) | Weight per Pair (Lbs) | List Price per Pair (US \$) |
|--------------------|-----------------------|-----------------------------|
| 16                 | 36.0                  | \$1,817.98                  |
| 20                 | 36.0                  | \$1,832.81                  |
| 24                 | 36.0                  | \$1,879.42                  |
| 30                 | 70.0                  | \$2,161.24                  |
| 36                 | 70.0                  | \$2,815.96                  |
| 42                 | 120.0                 | \$4,479.26                  |
| 48                 | 120.0                 | \$5,788.71                  |
| 54                 | 305.0                 | \$6,807.89                  |
| 60                 | 305.0                 | \$7,687.22                  |
| 72                 | 305.0                 | \$8,568.66                  |

## SADDLES

| Tank Diameter (In) | Weight per Pair (Lbs) | List Price per Pair (US \$) |
|--------------------|-----------------------|-----------------------------|
| 10                 | 10.0                  | \$597.51                    |
| 12                 | 12.0                  | \$637.78                    |
| 14                 | 15.0                  | \$652.61                    |
| 16                 | 21.0                  | \$680.15                    |
| 20                 | 29.0                  | \$694.98                    |
| 24                 | 35.0                  | \$764.91                    |
| 30                 | 49.0                  | \$1,029.76                  |
| 36                 | 57.0                  | \$1,146.31                  |
| 42                 | 88.0                  | \$2,216.32                  |
| 48                 | 115.0                 | \$2,625.26                  |
| 54                 | 148.0                 | \$3,095.65                  |
| 60                 | 171.0                 | \$4,591.56                  |
| 66                 | 214.0                 | \$5,104.33                  |
| 71                 | 257.0                 | \$5,617.08                  |

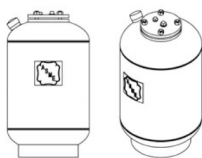
## CLIPS TO SECURE TANK AT BASE (NOT SEISMIC APPROVED)

| List Price |           |
|------------|-----------|
| each       | \$2298.12 |

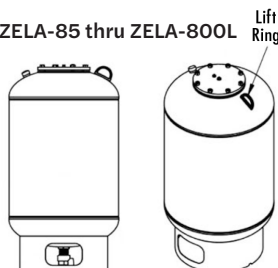
3 clips per tank up to 800L. Above 800L use 4 clips.

# ZILMET Hydronic Expansion Tank with Replaceable Bladder (ZELA) ASME Rated Expansion Tank

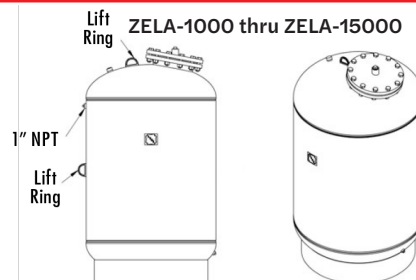
ZELA-35 & ZELA-50



ZELA-85 thru ZELA-800L



ZELA-1000 thru ZELA-15000



| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|--------------------|
| ZELA-35     | 10           | 40.0              | 3/4"                  | 12" x 12" x 23.5"           | \$3,110.10         |
| ZELA-50     | 13           | 50.0              | 3/4"                  | 14" x 14" x 24"             | \$3,425.62         |
| ZELA-85     | 23           | 90.0              | 1"                    | 16" x 16" x 37"             | \$4,116.75         |
| ZELA-130    | 35           | 125.0             | 1"                    | 20" x 20" x 37"             | \$5,288.67         |
| ZELA-200    | 53           | 210.0             | 1 1/2"                | 24" x 24" x 43"             | \$6,122.54         |
| ZELA-300    | 79           | 225.0             | 1 1/2"                | 24" x 24" x 55"             | \$6,708.49         |
| ZELA-400    | 106          | 300.0             | 1 1/2"                | 30" x 30" x 49"             | \$6,851.23         |
| ZELA-500    | 132          | 335.0             | 1 1/2"                | 30" x 30" x 57"             | \$7,219.33         |
| ZELA-600    | 158          | 360.0             | 1 1/2"                | 30" x 30" x 65"             | \$10,659.97        |
| ZELA-800L   | 211          | 475.0             | 1 1/2"                | 32" x 32" x 76"             | \$11,779.31        |

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|--------------------|
| ZELA-1000   | 264          | 552.0             | 1 1/2"                | 36" x 36" x 75"             | \$14,438.66        |
| ZELA-1200   | 317          | 679.0             | 1 1/2"                | 36" x 36" x 87"             | \$15,099.75        |
| ZELA-1400   | 370          | 688.0             | 1 1/2"                | 36" x 36" x 99"             | \$16,436.94        |
| ZELA-1600   | 422          | 1046.0            | 1 1/2"                | 48" x 48" x 74"             | \$22,634.59        |
| ZELA-2000   | 528          | 1150.0            | 1 1/2"                | 48" x 48" x 87"             | \$24,828.19        |
| ZELA-2500   | 660          | 1444.0            | 2"                    | 48" x 48" x 95"             | \$32,467.46        |
| ZELA-3000L  | 792          | 1658.0            | 2"                    | 48" x 48" x 122"            | \$40,888.01        |
| ZELA-3000S  | 792          | 1868.0            | 2"                    | 60" x 60" x 80"             | \$56,935.81        |
| ZELA-4000   | 1056         | 2238.0            | 2"                    | 60" x 60" x 102"            | \$61,042.80        |
| ZELA-5000   | 1320         | 2617.0            | 2"                    | 60" x 60" x 125"            | \$63,711.92        |
| ZELA-7500   | 1980         | 3786.0            | 3"                    | 72" x 72" x 127"            | \$103,343.87       |
| ZELA-10000  | 2640         | 4628.0            | 3"                    | 72" x 72" x 159"            | \$120,796.47       |
| ZELA-15000  | 3963         | 5925.0            | 3"                    | 72" x 72" x 233"            | \$184,508.38       |

| Description | Material         |
|-------------|------------------|
| shell       | carbon steel     |
| connection  | carbon steel     |
| bladder     | heavy duty butyl |

| Operating Conditions       |          |
|----------------------------|----------|
| precharge of               | 40 psi   |
| max. operating pressure    | 125 psi* |
| max. operating temperature | 240° F   |
| warranty                   | 1 year   |

## AVAILABLE UPON REQUEST

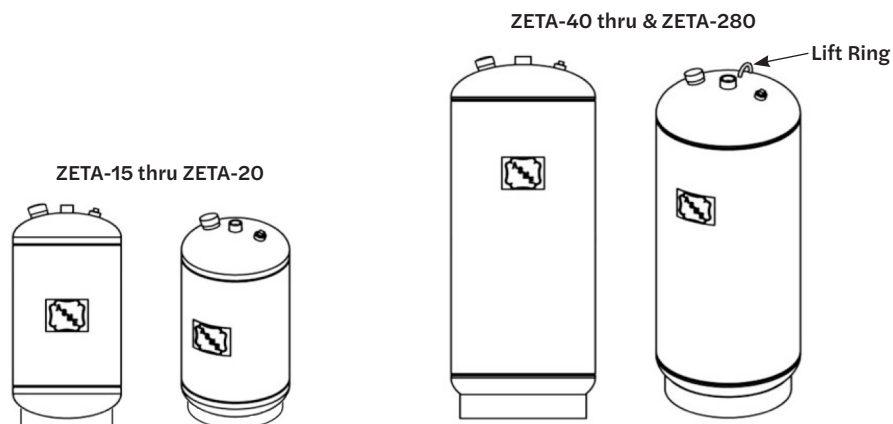
- Stainless Steel ASME tanks (304 & 316 Stainless)
- For Stainless steel tanks, add to suffix 304SS / 316SS
- Seismic restraints

\* 150, 200 & 250 psi available

- The design and construction is manufactured to conform to ASME Section VIII, Div 1.

[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

# ZILMET Hydronic Expansion Tank with Fixed Diaphragm (ZETA) ASME Rated Expansion Tank



| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|--------------------|
| ZETA-15     | 7.8          | 42.0              | 3/4"                  | 12" x 12" x 19"             | 6.3                     | \$1,367.24         |
| ZETA-20     | 10.9         | 52.0              | 3/4"                  | 12" x 12" x 25"             | 8.8                     | \$1,404.81         |
| ZETA-40     | 25           | 84.0              | 1"                    | 16" x 16" x 34"             | 20.2                    | \$2,171.06         |
| ZETA-60     | 35           | 97.0              | 1"                    | 16" x 16" x 45"             | 28.0                    | \$2,509.11         |
| ZETA-80     | 45           | 148.0             | 1"                    | 20" x 20" x 39"             | 36.0                    | \$3,230.30         |
| ZETA-100    | 60           | 175.0             | 1"                    | 20" x 20" x 50"             | 48.5                    | \$3,388.05         |
| ZETA-120    | 70           | 259.0             | 1 1/2"                | 24" x 24" x 47"             | 56.5                    | \$4,176.85         |
| ZETA-144    | 80           | 268.0             | 1 1/2"                | 24" x 24" x 50"             | 65.0                    | \$4,477.35         |
| ZETA-180    | 90           | 283.0             | 1 1/2"                | 24" x 24" x 53"             | 73.0                    | \$5,160.96         |
| ZETA-200    | 115          | 325.0             | 1 1/2"                | 24" x 24" x 67"             | 93.0                    | \$5,288.67         |
| ZETA-240    | 140          | 362.0             | 1 1/2"                | 24" x 24" x 79"             | 113.5                   | \$6,145.07         |
| ZETA-260    | 158          | 591.0             | 1 1/2"                | 30" x 30" x 64"             | 128.0                   | \$8,478.15         |

| Description | Material         |
|-------------|------------------|
| shell       | carbon steel     |
| connection  | carbon steel     |
| bladder     | heavy duty butyl |

| Operating Conditions       |         |
|----------------------------|---------|
| precharge of               | 40 psi  |
| max. operating pressure    |         |
| ZETA-15 thru ZETA-60       | 150 psi |
| ZETA-80 thru ZETA-280      | 125 psi |
| max. operating temperature | 240° F  |
| warranty                   | 1 year  |

## AVAILABLE UPON REQUEST

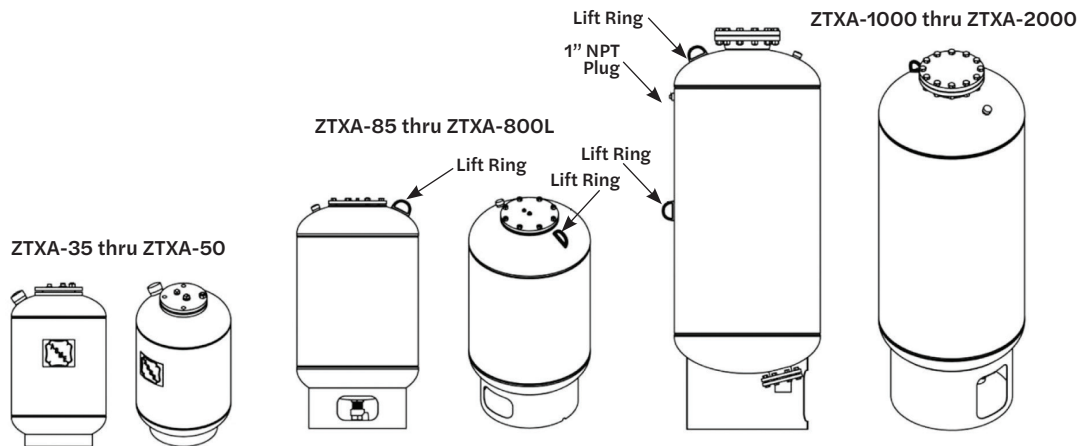
- Stainless Steel ASME tanks (304 & 316 Stainless)
- For Stainless steel tanks, add to suffix 304SS / 316SS
- Seismic restraints
- Ratings for 150, 200 & 250 psi

- The design and construction is manufactured to conform to ASME Section VIII, Div 1.

[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

# ZILMET Thermal Expansion Tank with Replaceable Bladder (ZTXA) ASME Rated Expansion Tank

Products Comply  
**NSF / ANSI**  
Standard 61



| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|--------------------|
| ZTXA-35     | 10           | 40.0              | 3/4"                  | 12" x 12" x 23.5"           | \$4,990.97         |
| ZTXA-50     | 13           | 50.0              | 3/4"                  | 14" x 14" x 24"             | \$5,324.69         |

| Item      | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | List Price (US \$) |
|-----------|--------------|-------------------|-----------------------|-----------------------------|--------------------|
| ZTXA-85   | 23           | 90.0              | 1"                    | 16" x 16" x 37"             | \$5,458.18         |
| ZTXA-130  | 35           | 125.0             | 1"                    | 20" x 20" x 37"             | \$5,814.14         |
| ZTXA-200  | 53           | 210.0             | 1 1/2"                | 24" x 24" x 43"             | \$8,090.86         |
| ZTXA-300  | 79           | 225.0             | 1 1/2"                | 24" x 24" x 55"             | \$11,257.49        |
| ZTXA-400  | 106          | 300.0             | 1 1/2"                | 30" x 30" x 49"             | \$13,126.32        |
| ZTXA-500  | 132          | 335.0             | 2"                    | 30" x 30" x 57"             | \$13,719.60        |
| ZTXA-600  | 158          | 360.0             | 2"                    | 30" x 30" x 65"             | \$15,143.47        |
| ZTXA-800L | 211          | 472.0             | 2"                    | 32" x 32" x 76"             | \$16,567.34        |

| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|--------------------|
| ZTXA-1000   | 264          | 735.0             | 3"                    | 36" x 36" x 86.5"           | \$19,214.86        |
| ZTXA-1200   | 317          | 745.0             | 3"                    | 36" x 36" x 98.5"           | \$20,394.00        |
| ZTXA-1400   | 370          | 900.0             | 3"                    | 36" x 36" x 110.5"          | \$21,647.30        |
| ZTXA-1600   | 422          | 1210.0            | 3"                    | 48" x 48" x 84"             | \$28,329.12        |
| ZTXA-2000   | 528          | 1305.0            | 3"                    | 48" x 48" x 96"             | \$30,242.45        |

| Description | Material                        |
|-------------|---------------------------------|
| shell       | carbon steel                    |
| connection  | stainless steel                 |
| bladder     | heavy duty butyl (FDA Approved) |

| Operating Conditions       |         |
|----------------------------|---------|
| precharge of               | 40 psi  |
| max. operating pressure    | 150 psi |
| max. operating temperature | 240° F  |
| warranty                   | 1 year  |

## AVAILABLE UPON REQUEST

- Stainless Steel ASME tanks (304 & 316 Stainless)
- For Stainless steel tanks, add to suffix 304SS / 316SS
- Seismic restraints
- Ratings for 200 & 250 psi

• The design and construction is manufactured to conform to ASME Section VIII, Div 1.

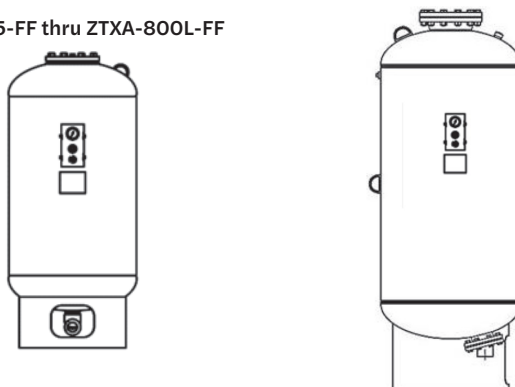
**SEE OUR WEBSITE FOR TANK SIZING CALCULATOR**

# ZILMET Thermal Expansion Tank with Replaceable Bladder – Full Flow (ZTXA-FF) ASME Rated Expansion Tank

Products Comply  
**NSF / ANSI**  
Standard 61

ZTXA-1000-FF thru ZTXA-2000-FF

ZTXA-85-FF thru ZTXA-800L-FF



| Item Number  | Pressure Rating (PSIG) | Volume (Gal) | Acceptance Volume (Gal) | Product Dimensions (LxWxH) | Connection Size (NPT) | Weight (Lbs) | List Price (US \$) |
|--------------|------------------------|--------------|-------------------------|----------------------------|-----------------------|--------------|--------------------|
| ZTXA-85-FF   | 150                    | 23           | 23                      | 16" x 16" x 37"            | 1"                    | 90.0         | \$8,876.95         |
| ZTXA-130-FF  | 150                    | 35           | 35                      | 20" x 20" x 37"            | 1"                    | 132.0        | \$9,792.30         |
| ZTXA-200-FF  | 150                    | 53           | 53                      | 24" x 24" x 43"            | 1 1/2"                | 220.0        | \$12,559.79        |
| ZTXA-300-FF  | 150                    | 79           | 79                      | 24" x 24" x 55"            | 1 1/2"                | 236.0        | \$16,824.26        |
| ZTXA-400-FF  | 150                    | 106          | 106                     | 30" x 30" x 49"            | 1 1/2"                | 315.0        | \$19,267.56        |
| ZTXA-500-FF  | 150                    | 132          | 132                     | 30" x 30" x 57"            | 2"                    | 347.0        | \$20,061.34        |
| ZTXA-600-FF  | 150                    | 158          | 158                     | 30" x 30" x 65"            | 2"                    | 378.0        | \$22,409.30        |
| ZTXA-800L-FF | 150                    | 211          | 211                     | 32" x 32" x 76"            | 2"                    | 503.0        | \$25,234.00        |

The ZTXA-FF design incorporates a unique flow-through design that promotes fluid mixing. Mixing of the fluid inside the bladder tank disrupts stagnant water, preventing growth of harmful bacteria colonies. The water is contained in a heavy-duty butyl bladder, preventing tank corrosion and water-logging.

## REMOVABLE BLADDER TANK - ASME - 150 PSI

| Item Number  | Pressure Rating (PSIG) | Volume (Gal) | Acceptance Volume (Gal) | Product Dimensions (LxWxH) | Connection Size (NPT) | Weight (Lbs) | List Price (US \$) |
|--------------|------------------------|--------------|-------------------------|----------------------------|-----------------------|--------------|--------------------|
| ZTXA-1000-FF | 150                    | 264          | 264                     | 36" x 36" x 74"            | 3"                    | 710.0        | \$29,276.78        |
| ZTXA-1200-FF | 150                    | 317          | 317                     | 36" x 36" x 86"            | 3"                    | 720.0        | \$30,132.54        |
| ZTXA-1400-FF | 150                    | 370          | 370                     | 36" x 36" x 99"            | 3"                    | 875.0        | \$32,778.45        |
| ZTXA-1600-FF | 150                    | 422          | 422                     | 48" x 48" x 72"            | 3"                    | 1,100.0      | \$42,175.06        |
| ZTXA-2000-FF | 150                    | 528          | 528                     | 48" x 48" x 85"            | 3"                    | 1,280.0      | \$44,923.48        |

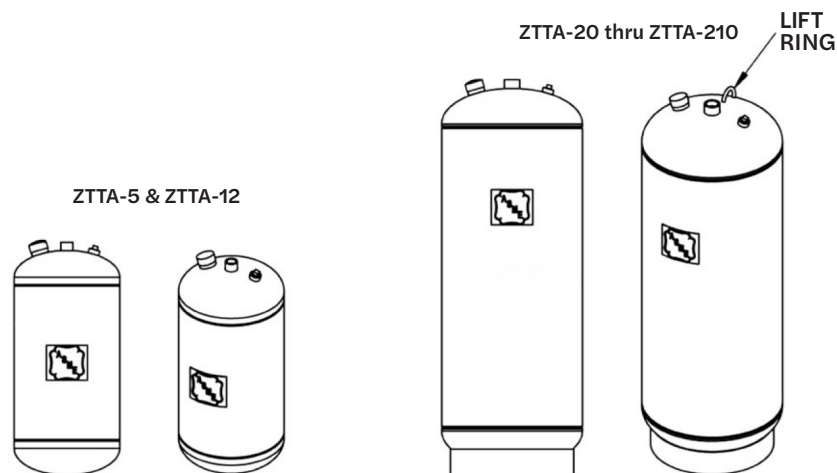
| Description | Material                        |
|-------------|---------------------------------|
| shell       | carbon steel                    |
| connection  | stainless steel                 |
| bladder     | heavy duty butyl (FDA Approved) |
| finish      | primer painted exterior         |

| Operating Conditions       |         |
|----------------------------|---------|
| precharge of               | 40 psi  |
| max. operating pressure    | 150 psi |
| max. operating temperature | 240° F  |
| warranty                   | 1 year  |

Also available in 200 & 250 psi rated models

[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

# ZILMET Thermal Expansion Tank with Fixed Diaphragm (ZTTA) ASME Rated Expansion Tank



| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|--------------------|
| ZTTA-5      | 3.5          | 22.0              | 3/4"                  | 10" x 10" x 14"             | 2.3                     | \$2,075.18         |
| ZTTA-12     | 5            | 28.0              | 3/4"                  | 12" x 12" x 14"             | 3.3                     | \$2,447.28         |
| ZTTA-20     | 8            | 34.0              | 3/4"                  | 12" x 12" x 20"             | 5.3                     | \$2,714.26         |
| ZTTA-30     | 15           | 50.0              | 1"                    | 16" x 16" x 23"             | 10.0                    | \$3,062.81         |
| ZTTA-42     | 22           | 57.0              | 1"                    | 16" x 16" x 31"             | 14.5                    | \$3,270.46         |
| ZTTA-60     | 26           | 62.0              | 1"                    | 16" x 16" x 34"             | 17.5                    | \$4,034.30         |
| ZTTA-80     | 35           | 80.0              | 1"                    | 16" x 16" x 45"             | 23.5                    | \$4,271.62         |
| ZTTA-100    | 45           | 110.0             | 1"                    | 20" x 20" x 39"             | 30.0                    | \$4,523.76         |
| ZTTA-125    | 60           | 134.0             | 1"                    | 20" x 20" x 50"             | 40.0                    | \$5,042.88         |
| ZTTA-160    | 70           | 177.0             | 1 1/2"                | 24" x 24" x 47"             | 47.0                    | \$5,576.83         |
| ZTTA-180    | 80           | 184.0             | 1 1/2"                | 24" x 24" x 50"             | 53.0                    | \$6,088.54         |
| ZTTA-210    | 90           | 193.0             | 1 1/2"                | 24" x 24" x 53"             | 60.0                    | \$6,407.42         |

| Description | Material                        |
|-------------|---------------------------------|
| shell       | carbon steel                    |
| connection  | stainless steel                 |
| bladder     | heavy duty butyl (FDA Approved) |

| Operating Conditions       |         |
|----------------------------|---------|
| precharge of               | 40 psi  |
| max. operating pressure    | 150 psi |
| max. operating temperature | 240° F  |
| warranty                   | 1 year  |

## AVAILABLE UPON REQUEST

- Stainless Steel ASME tanks (304 & 316 Stainless)
- For Stainless steel tanks, add to suffix - 304SS / 316 SS
- Seismic restraints
- Ratings for 200 & 250 psi

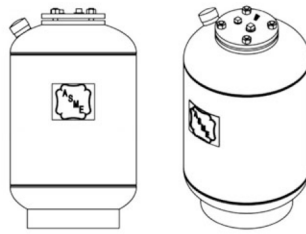
• The design and construction is manufactured to conform to ASME Section VIII, Div 1.

[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

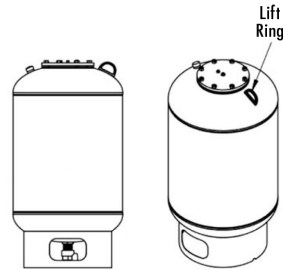
# ZILMET Hydro-Pneumatic Tank with Replaceable Bladder (ZHXA) ASME Rated Expansion Tank

Products Comply  
**NSF / ANSI**  
Standard 61

ZHXA-35 & ZHXA-50



ZHXA-85 thru ZHXA-800L



| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|--------------------|
| ZHXA-35     | 10           | 40.0              | 3/4" F                | 12" x 12" x 23.5"           | \$3,290.39         |
| ZHXA-50     | 13           | 50.0              | 3/4" F                | 14" x 14" x 24"             | \$3,515.76         |
| ZHXA-85     | 23           | 90.0              | 1" F                  | 16" x 16" x 37"             | \$4,590.02         |
| ZHXA-130    | 35           | 125.0             | 1" F                  | 20" x 20" x 37"             | \$5,694.33         |
| ZHXA-200    | 53           | 210.0             | 1 1/2" F              | 24" x 24" x 43"             | \$6,971.42         |
| ZHXA-300    | 79           | 225.0             | 1 1/2" F              | 24" x 24" x 55"             | \$8,361.20         |
| ZHXA-400    | 106          | 300.0             | 1 1/2" F              | 30" x 30" x 49"             | \$9,863.66         |
| ZHXA-500    | 132          | 330.0             | 2" F                  | 30" x 30" x 57"             | \$10,284.35        |
| ZHXA-600    | 158          | 360.0             | 2" F                  | 30" x 30" x 65"             | \$13,792.61        |
| ZHXA-700    | 185          | 400.0             | 1 1/2" M              | 30" x 30" x 80"             | \$15,687.05        |
| ZHXA-800L   | 211          | 475.0             | 2" F                  | 32" x 32" x 76"             | \$15,858.49        |

| Description | Material                        |
|-------------|---------------------------------|
| shell       | carbon steel                    |
| connection  | epoxy lined                     |
| bladder     | heavy duty butyl (FDA Approved) |

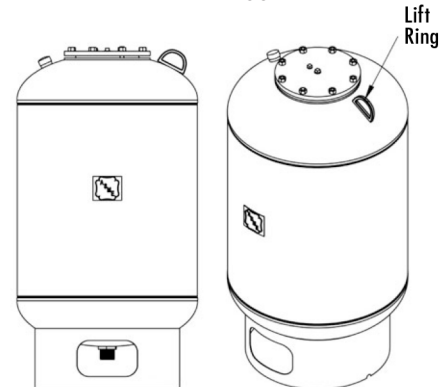
| Operating Conditions       |                                                              |
|----------------------------|--------------------------------------------------------------|
| precharge of               | 40 psi                                                       |
| max. operating pressure    | ZHXA-35 thru ZHXA-600, ZHXA800: 125 psi<br>ZHXA-700: 200 psi |
| max. operating temperature | 240° F                                                       |

## AVAILABLE UPON REQUEST

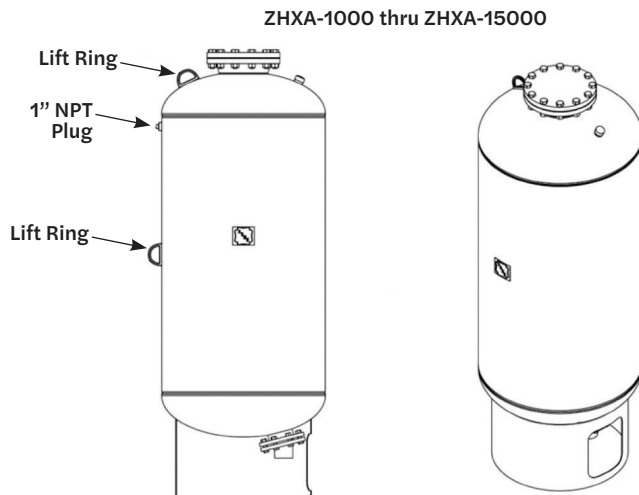
- Stainless Steel ASME tanks (304 & 316 Stainless)
- For Stainless Steel tanks, add to suffix - 304SS / 316SS
- Seismic restraints
- Ratings for 200 & 250 psi
- The design and construction is manufactured to conform to ASME Section VIII, Div 1.

[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

ZHXA-700



# ZILMET Hydro-Pneumatic Tank with Replaceable Bladder (ZHXA) ASME Rated Expansion Tank



| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|--------------------|
| ZHXA-1000   | 264          | 655.0             | 3" F                  | 36" x 36" x 87"             | \$19,336.69        |
| ZHXA-1200   | 317          | 783.0             | 3" F                  | 36" x 36" x 98.5"           | \$20,583.74        |
| ZHXA-1400   | 370          | 793.0             | 3" F                  | 36" x 36" x 110.5"          | \$21,830.79        |
| ZHXA-1600   | 422          | 1,044.0           | 3" F                  | 48" x 48" x 84"             | \$27,758.00        |
| ZHXA-2000   | 528          | 1,154.0           | 3" F                  | 48" x 48" x 96"             | \$30,244.57        |
| ZHXA-2500   | 660          | 1,453.0           | 4" F                  | 48" x 48" x 110"            | \$37,501.47        |
| ZHXA-3000L  | 792          | 1,671.0           | 4" F                  | 48" x 48" x 138"            | \$40,987.17        |
| ZHXA-3000S  | 792          | 1,933.0           | 4" F                  | 60" x 60" x 93"             | \$53,412.53        |
| ZHXA-4000   | 1,056        | 2,305.0           | 4" F                  | 60" x 60" x 115"            | \$62,570.04        |
| ZHXA-5000   | 1,320        | 2,685.0           | 4" F                  | 60" x 60" x 138"            | \$81,921.76        |
| ZHXA-7500   | 1,980        | 3,906.0           | 4" F                  | 72" x 72" x 140"            | \$227,848.94       |
| ZHXA-10000  | 2,640        | 4,687.0           | 4" F                  | 72" x 72" x 172"            | \$361,977.41       |
| ZHXA-15000  | 3,963        | 6,249.0           | 4" F                  | 72" x 72" x 243"            | \$444,384.58       |

| Description | Material                        |
|-------------|---------------------------------|
| shell       | carbon steel                    |
| connection  | epoxy lined                     |
| bladder     | heavy duty butyl (FDA Approved) |

| Operating Conditions       |         |
|----------------------------|---------|
| precharge of               | 40 psi  |
| max. operating pressure    | 125 psi |
| max. operating temperature | 240° F  |
| warranty                   | 1 year  |

## AVAILABLE UPON REQUEST

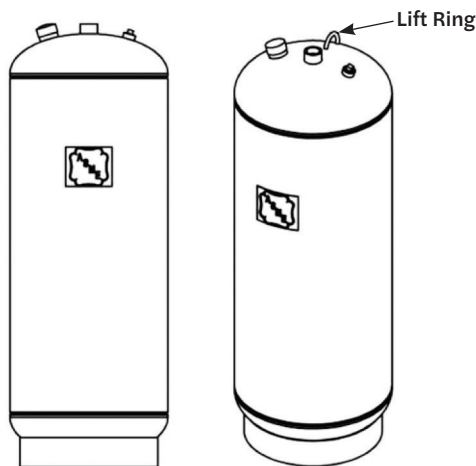
- Stainless Steel ASME tanks (304 & 316 Stainless)
- For Stainless steel tanks, add to suffix - 304SS / 316SS
- Seismic restraints
- Ratings for 150, 200 & 250 psi
- The design and construction is manufactured to conform to ASME Section VIII, Div 1.

[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

# ZILMET Hydro-Pneumatic Tank with Fixed Diaphragm (ZHXT) ASME Rated Expansion Tank



ZHXT-400 thru ZHXT-480



| Item Number | Volume (Gal) | Tank Weight (Lbs) | Connection Size (NPT) | Shipping Dimensions (LxWxH) | Acceptance Volume (Gal) | List Price (US \$) |
|-------------|--------------|-------------------|-----------------------|-----------------------------|-------------------------|--------------------|
| ZHXT-400    | 8            | 34.0              | 3/4"                  | 12" x 12" x 21"             | 6.3                     | \$3,330.91         |
| ZHXT-401    | 15           | 64.0              | 1"                    | 16" x 16" x 26"             | 11.9                    | \$3,538.30         |
| ZHXT-402    | 25           | 84.0              | 1"                    | 16" x 16" x 34"             | 19.8                    | \$4,161.82         |
| ZHXT-403    | 35           | 97.0              | 1"                    | 16" x 16" x 46"             | 27.5                    | \$4,229.44         |
| ZHXT-404    | 70           | 259.0             | 1 1/2"                | 24" x 24" x 47"             | 52.8                    | \$6,332.88         |
| ZHXT-405    | 90           | 283.0             | 1 1/2"                | 24" x 24" x 53"             | 55.5                    | \$6,603.32         |
| ZHXT-415    | 115          | 325.0             | 1 1/2"                | 24" x 24" x 67"             | 71.0                    | \$13,177.81        |
| ZHXT-440    | 140          | 362.0             | 1 1/2"                | 24" x 24" x 79"             | 91.0                    | \$15,216.65        |
| ZHXT-460    | 160          | 591.0             | 1 1/2"                | 30" x 30" x 62"             | 127.0                   | \$18,241.36        |
| ZHXT-480    | 210          | 752.0             | 1 1/2"                | 30" x 30" x 80"             | 166.0                   | \$21,853.19        |

| Description | Material                        |
|-------------|---------------------------------|
| shell       | carbon steel                    |
| connection  | epoxy lined                     |
| bladder     | heavy duty butyl (FDA Approved) |

| Operating Conditions       |         |
|----------------------------|---------|
| precharge of               | 40 psi  |
| max. operating pressure    | 200 psi |
| max. operating temperature | 240° F  |
| warranty                   | 1 year  |

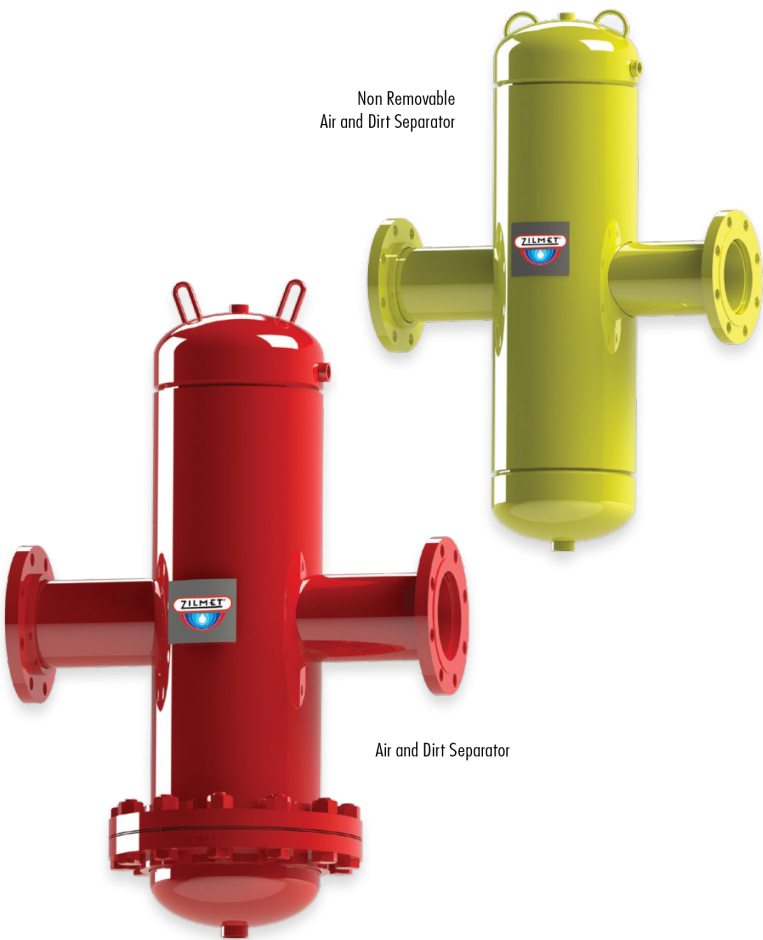
## AVAILABLE UPON REQUEST

- Stainless Steel ASME tanks (304 & 316 Stainless)
- For Stainless steel tanks, add to suffix - 304SS / 316SS
- Seismic restraints
- Ratings for 250 psi

• The design and construction is manufactured to conform to ASME Section VIII, Div 1.

[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

# ZILMET Air and Dirt Separators (ZADS) ASME Rated



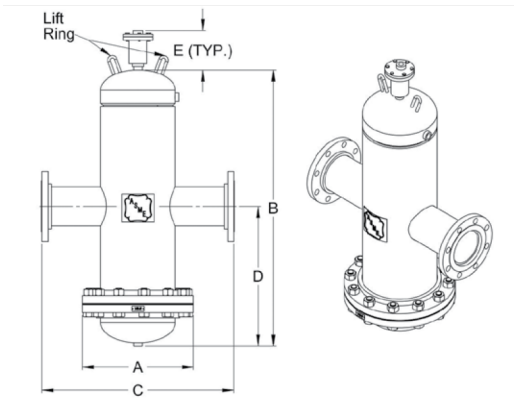
ZILMET Air and Dirt Separators (ZADS) are designed to eliminate entrained air and separate debris associated with start-up and continuous operation of any hydronic system. The design incorporates a removeable end cover for access to the coalescing media, a skim valve (optional) used to eliminate floating debris, and an air vent (optional) to automatically release air from the separator. The design and construction is manufactured to conform to ASME Section VIII , Div I.

| Standard                |                 |
|-------------------------|-----------------|
| material                | carbon steel    |
| coalescing media        | stainless steel |
| max. design temperature | 250° F          |
| max. design pressure    | 150 psi         |

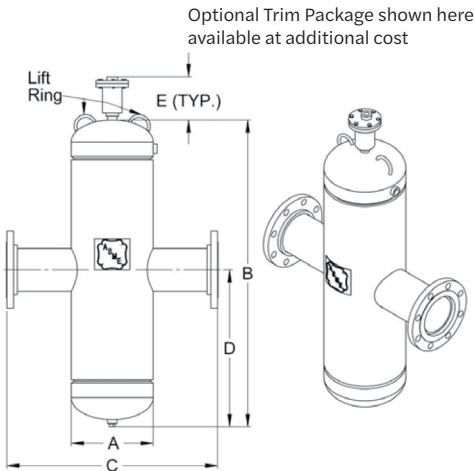
| Options                                                 |                 |
|---------------------------------------------------------|-----------------|
| material                                                | stainless steel |
| coalescing media                                        | copper mesh     |
| optional magnetic filtration to remove ferrous particle |                 |

| ZADS Trim Package List Price \$265.00 |           |
|---------------------------------------|-----------|
| blow down valve – 1”                  | bronze    |
| skim valve – 1/2”                     | bronze    |
| air vent – 3/4”                       | cast iron |

FOR HYDRONIC USE ONLY / NOT FOR POTABLE WATER



Air and Dirt Separator (ZADS)



Non Removable Air and Dirt Separator (ZADSN)

# ZILMET Air and Dirt Separators (ZADS) ASME Rated

| AIR AND DIRT SEPARATOR (ZADS) |                     |           |           |           |           |               | Standard Velocity (ZADS) | REPLACEMENT<br>CARTRIDGE | High Velocity (ZADS-HV) |           |               |                       | REPLACEMENT<br>CARTRIDGE |
|-------------------------------|---------------------|-----------|-----------|-----------|-----------|---------------|--------------------------|--------------------------|-------------------------|-----------|---------------|-----------------------|--------------------------|
| Item Number                   | Flange<br>Size (In) | A<br>(In) | B<br>(In) | C<br>(In) | D<br>(In) | Flow<br>(GPM) | List Price<br>(US \$)    | List Price<br>(US \$)    | C<br>(In)               | D<br>(In) | Flow<br>(GPM) | List Price<br>(US \$) | List Price<br>(US \$)    |
| ZADS-2                        | 2                   | 9         | 15.3      | 23        | 11.5      | 69            | \$4,998.99               | \$1,806.57               | 33                      | 16.5      | 105           | \$8,024.38            | \$2,716.04               |
| ZADS-2 NPT                    | 2                   | 9         | 9.0       | 23        | 11.5      | 69            | \$4,275.13               | \$1,806.57               | 33                      | 16.5      | 105           | \$7,294.33            | \$2,716.04               |
| ZADS-2.5                      | 2.5                 | 10        | 15.8      | 23        | 11.5      | 108           | \$5,481.58               | \$1,806.57               | 33                      | 16.5      | 155           | \$8,797.73            | \$2,716.04               |
| ZADS-2.5 NPT                  | 2.5                 | 10        | 10.5      | 23        | 11.5      | 108           | \$4,757.70               | \$1,806.57               | 33                      | 16.5      | 155           | \$8,080.06            | \$2,716.04               |
| ZADS-3                        | 3                   | 11        | 20.3      | 29        | 14.5      | 144           | \$6,681.82               | \$4,534.98               | 42                      | 21.0      | 225           | \$10,749.45           | \$6,774.63               |
| ZADS-3-NPT                    | 3                   | 11        | 12.8      | 29        | 14.5      | 144           | \$5,809.48               | \$4,534.98               | 42                      | 21.0      | 225           | \$9,886.62            | \$6,774.63               |
| ZADS -4                       | 4                   | 13.5      | 20.7      | 29        | 14.5      | 255           | \$8,209.98               | \$6,044.59               | 42                      | 21.0      | 405           | \$13,406.95           | \$9,162.76               |
| ZADS-5                        | 5                   | 16        | 27.8      | 39        | 19.5      | 398           | \$12,318.06              | \$9,076.15               | 59                      | 29.5      | 630           | \$18,851.41           | \$13,883.34              |
| ZADS-6                        | 6                   | 19        | 27.8      | 39        | 19.5      | 570           | \$17,626.40              | \$12,973.88              | 59                      | 29.5      | 910           | \$20,998.25           | \$15,473.37              |
| ZADS-8                        | 8                   | 23.5      | 33.7      | 49        | 24.5      | 945           | \$26,052.93              | \$19,185.50              | 75                      | 37.5      | 1,610         | \$42,312.04           | \$31,163.29              |
| ZADS-10                       | 10                  | 27.5      | 37.5      | 65        | 32.5      | 1,440         | \$40,437.41              | \$37,931.73              | 92                      | 46        | 2,450         | \$59,097.03           | \$55,149.79              |
| ZADS-12                       | 12                  | 32        | 42.5      | 76        | 38        | 2,100         | \$51,518.11              | \$37,931.73              | 110                     | 55        | 3,500         | \$74,904.48           | \$55,149.79              |

Non-ASME also available. For Hydronic Use Only / Not For Potable Water

| NON-REMOVABLE<br>AIR AND DIRT SEPARATOR (ZADSN) |                     |           |           |           |           |               |                       | Standard Velocity (ZADSN) |           |               |                       | High Velocity (ZADSN-HV) |  |  |  |
|-------------------------------------------------|---------------------|-----------|-----------|-----------|-----------|---------------|-----------------------|---------------------------|-----------|---------------|-----------------------|--------------------------|--|--|--|
| Item Number                                     | Flange<br>Size (In) | A<br>(In) | B<br>(In) | C<br>(In) | D<br>(In) | Flow<br>(GPM) | List Price<br>(US \$) | C<br>(In)                 | D<br>(In) | Flow<br>(GPM) | List Price<br>(US \$) |                          |  |  |  |
| ZADSN-2                                         | 2                   | 4.5       | 15.3      | 23        | 11.5      | 69            | \$4,213.26            | 33                        | 16.5      | 105           | \$7,257.20            |                          |  |  |  |
| ZADSN-2-NPT                                     | 2                   | 4.5       | 9.0       | 23        | 11.5      | 69            | \$3,489.40            | 33                        | 16.5      | 105           | \$6,533.34            |                          |  |  |  |
| ZADSN-2.5                                       | 2.5                 | 5.5       | 15.8      | 23        | 11.5      | 108           | \$4,621.60            | 33                        | 16.5      | 155           | \$7,925.39            |                          |  |  |  |
| ZADSN-2.5-NPT                                   | 2.5                 | 5.5       | 10.5      | 23        | 11.5      | 108           | \$3,897.73            | 33                        | 16.5      | 155           | \$7,207.70            |                          |  |  |  |
| ZADSN-3                                         | 3                   | 6.5       | 20.3      | 29        | 14.5      | 144           | \$5,716.66            | 42                        | 21        | 225           | \$9,787.64            |                          |  |  |  |
| ZADSN-3-NPT                                     | 3                   | 6.5       | 12.8      | 29        | 14.5      | 144           | \$4,850.51            | 42                        | 21        | 225           | \$8,921.47            |                          |  |  |  |
| ZADSN-4                                         | 4                   | 8.5       | 20.7      | 29        | 14.5      | 255           | \$7,238.64            | 42                        | 21        | 405           | \$12,447.99           |                          |  |  |  |
| ZADSN-5                                         | 5                   | 10        | 27.8      | 39        | 19.5      | 398           | \$11,111.63           | 59                        | 29.5      | 630           | \$17,651.15           |                          |  |  |  |
| ZADSN-6                                         | 6                   | 12        | 27.8      | 39        | 19.5      | 570           | \$16,178.68           | 59                        | 29.5      | 910           | \$19,550.52           |                          |  |  |  |
| ZADSN-8                                         | 8                   | 16        | 33.7      | 49        | 24.5      | 945           | \$24,116.43           | 75                        | 37.5      | 1610          | \$40,381.74           |                          |  |  |  |
| ZADSN-10                                        | 10                  | 20        | 37.5      | 65        | 32.5      | 1440          | \$38,265.82           | 92                        | 46        | 2450          | \$56,925.43           |                          |  |  |  |
| ZADSN-12                                        | 12                  | 24        | 42.5      | 76        | 38        | 2100          | \$48,622.64           | 110                       | 55        | 3500          | \$72,009.03           |                          |  |  |  |

Non-ASME also available. For Hydronic Use Only / Not For Potable Water

# ZILMET Hot and Cold Water Buffer Tanks (ZCBT & ZHBT) ASME Rated

ZILMET ASME Chilled Water Buffer Tanks (ZCBT) are designed for use in chilled water systems with insufficient water volume capacity, in relation to the chiller capacity. The ZCBT Series Buffer Tanks effectively increase system volume and reduce the rate of change ( $\Delta T$ ) in the return water, resulting in improved temperature control, consistent system operation and controlled compressor cycling. The design and construction is manufactured to conform to ASME Section VIII, Div 1.



## STANDARD FEATURES FOR (ZCBT) & (ZHBT)

- ASME rated (125 psi at 450° F)
- Integral Ring Stand for Vertical Installation
- Top Air Vent Connection
- (ZCBT ) only: Internal Baffle

| Features (ZCBT ) and (ZHBT ) |                                         |
|------------------------------|-----------------------------------------|
| material                     | carbon steel                            |
| max. pressure                | 125 psi                                 |
| max. temperature             | 450° F                                  |
| finish                       | red oxide primer                        |
| auxilliary connections       | ¾" NPT top vent;<br>1" NPT bottom drain |

## (ZCBT) CHILLED WATER BUFFER TANKS

|             |         |               |             |        | 3"                 | 4"                 | 6"                 | 8"                 | 10"                |
|-------------|---------|---------------|-------------|--------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Item Number | Gallons | Diameter (In) | Height (In) | Weight | List Price (US \$) | List Price (US \$) | List Price (US \$) | List Price (US \$) | List Price (US \$) |
| ZCBT-120    | 120.0   | 24            | 60          | 425    | \$9,899.00         | \$10,517.69        | \$11,136.37        | \$12,064.40        | \$13,301.78        |
| ZCBT-200    | 200.0   | 30            | 72          | 597    | \$10,517.69        | \$11,136.37        | \$11,755.06        | \$12,683.09        | \$13,920.46        |
| ZCBT-300    | 300.0   | 36            | 72          | 793    | \$13,920.46        | \$14,539.15        | \$15,157.84        | \$16,085.87        | \$17,323.25        |
| ZCBT-500    | 500.0   | 42            | 90          | 1391   | \$20,000.45        | \$20,416.69        | \$21,035.37        | \$21,963.40        | \$23,200.78        |
| ZCBT-850    | 850.0   | 54            | 96          | 2718   | \$29,697.00        | \$30,315.68        | \$30,934.37        | \$31,862.41        | \$33,099.77        |
| ZCBT-1040   | 1,040.0 | 60            | 96          | 3873   | \$34,646.38        | \$35,265.18        | \$35,883.86        | \$36,811.90        | \$38,049.27        |

## ZILMET HOT WATER BUFFER TANKS (ZHBT)

ZILMET ASME Hot Water Buffer Tanks (ZHBT) are designed for use with today's high efficiency systems that incorporate small modular low mass boilers. A properly sized ZILMET Hot Water Buffer Tank adds necessary thermal mass to the system to dampen fast transactions and minimize boiler cycling that occurs during zero or low domestic load conditions. The design and construction is manufactured to conform to ASME Section VIII , Div I.



## OPTIONAL FEATURES FOR (ZCBT) & (ZHBT)

- 1/2" Elastomeric Insulation
- Weather Resistant Coating
- Available with 1" to 2 ½" NPT Connections
- 1"- 20" flange connections also available

## (ZHBT ) HOT WATER BUFFER TANKS

| Item     | Gallons | Diameter (In) | Height (In) | Weight |
|----------|---------|---------------|-------------|--------|
| ZHBT-120 | 120.0   | 30            | 60          | 248    |
| ZHBT-210 | 210.0   | 30            | 75          | 459    |
| ZHBT-300 | 300.0   | 30            | 72          | 781    |

\*Available in either 2 or 4 ports\*

Consult technical team for pricing and availability for higher working pressures and larger system connections.

Prices and lead times available upon request.

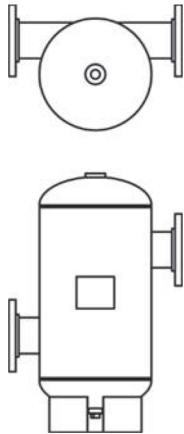
For Hydronic Use Only / Not For Potable Water

# ZILMET Tangential Air Separators (ZPA) ASME Rated

Natural centrifugal forces allow heavier, air-free water to move towards the outer edges, while entrained air is captured by the stainless steel collection tube and released to the top of the separator. This air is then able to release from the system. Water exits near the bottom of the unit bubble-free which protects the system against noise, blockage, and damage commonly caused by entrained air.

## ZPA TANGENTIAL AIR SEPARATORS

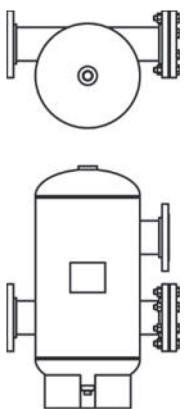
### WITHOUT STRAINER



**Notes:** Materials = Steel;  
Maximum Pressure =  
125 psi; Maximum  
Temperature = 450°F;  
Finish = Primer Painted  
Exterior; Stainless steel  
versions available  
upon request.

| Item Number | Pressure Rating (PSIG) | Product Dimensions (LxWxH) | Connection Size | Max GPM | Weight (Lbs) | List Price (US\$) |
|-------------|------------------------|----------------------------|-----------------|---------|--------------|-------------------|
| ZPA-2       | 125                    | 12" x 16 5/8" x 22 1/2"    | 2" NPT          | 56      | 50.0         | \$1,277.93        |
| ZPA-2.5     | 125                    | 12" x 16 5/8" x 22 1/2"    | 2 1/2" NPT      | 90      | 55.0         | \$1,503.07        |
| ZPA-3       | 125                    | 12" x 19 3/4" x 25"        | 3" FLANGED      | 190     | 60.0         | \$2,006.30        |
| ZPA-4       | 125                    | 14" x 21 3/4" x 32"        | 4" FLANGED      | 300     | 90.0         | \$2,807.48        |
| ZPA-5       | 125                    | 14" x 21 3/4" x 32"        | 5" FLANGED      | 530     | 148.0        | \$3,370.30        |
| ZPA-6       | 125                    | 20" x 28" x 44"            | 6" FLANGED      | 850     | 191.0        | \$4,754.18        |
| ZPA-8       | 125                    | 20" x 28" x 44"            | 8" FLANGED      | 1,900   | 379.0        | \$6,429.40        |
| ZPA-10      | 125                    | 30" x 41" x 60 1/2"        | 10" FLANGED     | 3,200   | 598.0        | \$10,309.57       |
| ZPA-12      | 125                    | 30" x 41" x 60 1/2"        | 12" FLANGED     | 4,806   | 947.0        | \$15,785.49       |
| ZPA-14      | 125                    | 36" x 36 3/8" x 78"        | 14" FLANGED     | 6,100   | 1680.0       | \$26,419.50       |
| ZPA-16      | 125                    | 48" x 60" x 108"           | 16" FLANGED     | 8,000   | 2,300.0      | \$35,735.85       |
| ZPA-18      | 125                    | 54" x 66" x 124"           | 18" FLANGED     | 9,700   | 3,235.0      | \$51,812.68       |
| ZPA-20      | 125                    | 60" x 72" x 138"           | 20" FLANGED     | 12,000  | 5,100.0      | \$61,890.49       |
| ZPA-22      | 125                    | 66" x 78" x 150"           | 22" FLANGED     | 15,000  | 6,150.0      | \$75,497.53       |
| ZPA-24      | 125                    | 66" x 80" x 150"           | 24" FLANGED     | 17,000  | 7,210.0      | \$89,614.41       |

### WITH STRAINER



**Notes:** Materials = Steel;  
Maximum Pressure =  
125 psi; Maximum  
Temperature = 450° F  
Finish = Primer Painted  
Exterior; Stainless Steel  
versions available  
upon request.

| Item Number | Pressure Rating (PSIG) | Product Dimensions (LxWxH) | Connection Size | Max GPM | Weight (Lbs) | List Price (US \$) |
|-------------|------------------------|----------------------------|-----------------|---------|--------------|--------------------|
| ZPA-2S      | 125                    | 12" x 16 5/8" x 22 1/2"    | 2" NPT          | 56      | 55.0         | \$1,675.22         |
| ZPA-2.5S    | 125                    | 12" x 16 5/8" x 22 1/2"    | 2 1/2" NPT      | 90      | 61.0         | \$1,900.35         |
| ZPA-3S      | 125                    | 12" x 19 3/4" x 25"        | 3" FLANGED      | 190     | 66.0         | \$2,701.55         |
| ZPA-4S      | 125                    | 14" x 21 3/4" x 32"        | 4" FLANGED      | 300     | 99.0         | \$3,575.57         |
| ZPA-5S      | 125                    | 14" x 21 3/4" x 32"        | 5" FLANGED      | 530     | 163.0        | \$4,979.32         |
| ZPA-6S      | 125                    | 20" x 28" x 44"            | 6" FLANGED      | 850     | 210.0        | \$6,250.63         |
| ZPA-8S      | 125                    | 20" x 28" x 44"            | 8" FLANGED      | 1,900   | 417.0        | \$8,508.53         |
| ZPA-10S     | 125                    | 30" x 41" x 60 1/2"        | 10" FLANGED     | 3,200   | 658.0        | \$14,010.95        |
| ZPA-12S     | 125                    | 30" x 41" x 60 1/2"        | 12" FLANGED     | 4,800   | 1042.0       | \$18,202.31        |
| ZPA-14S     | 125                    | 36" x 46 3/8" x 78"        | 14" FLANGED     | 6,100   | 1848.0       | \$34,722.77        |
| ZPA-16S     | 125                    | 48" x 60" x 108"           | 16" FLANGED     | 8,000   | 2,530.0      | \$51,355.80        |
| ZPA-18S     | 125                    | 54" x 66" x 124"           | 18" FLANGED     | 9,700   | 3,559.0      | \$69,783.23        |
| ZPA-20S     | 125                    | 60" x 72" x 138"           | 20" FLANGED     | 12,000  | 5,610.0      | \$83,979.58        |
| ZPA-22S     | 125                    | 66" x 78" x 150"           | 22" FLANGED     | 15,000  | 6,765.0      | \$100,745.04       |
| ZPA-24S     | 125                    | 66" x 80" x 150"           | 24" FLANGED     | 17,000  | 7,931.0      | \$123,588.97       |

# ZILMET Hydraulic Separators (ZPSA & ZPSAV) ASME Rated

ZILMET Primary/Secondary Header hydraulic separations are used in heating and cooling systems that require the primary and secondary loop of the system to be interlocked. The primary and secondary headers (ZPSA) are designed to keep both connected hydraulic circuits completely independent from one another and to provide a means for system air elimination. The ZILMET Primary/Secondary Header with Air/Dirt Separator (ZPSAV) builds on that functionality with the inclusion of internal coalescence coils in the tank that eliminate entrained air and separate debris associated with start-up and maintenance of the system. As a result, the ZPSAV replaces the need for an air/dirt separator. The design and construction is manufactured to conform to ASME Section VIII, Div I.



## STANDARD FEATURES

- Separates Primary and Secondary loop hydraulically
- Removes air from system
- Separates and collects sediment
- Easy installation
- **Optional magnet available at extra charge**

| Features         |                                |
|------------------|--------------------------------|
| material         | stainless steel                |
| max. pressure    | 150 psi                        |
| max. temperature | 450° F                         |
| finish           | finish primer painted exterior |

Legs come standard with 6" connection models and above. Consult technical team for pricing and availability for higher working pressures and larger system connections.

## ZPSA – PRIMARY/SECONDARY HEADER – WITH INTERNAL BAFFLE @ 150 PSI

| Item Number | Connection | Diameter (In) | Height (In) | Width (In) | Flow (GPM) | Weight (Lbs) | List Price (US \$) |
|-------------|------------|---------------|-------------|------------|------------|--------------|--------------------|
| ZPSA-2      | 2"         | 6.6           | 34.3        | 14.8       | 65         | 90.0         | \$4,250.38         |
| ZPSA-2.5    | 2 ½"       | 6.6           | 39.3        | 14.8       | 68         | 115.0        | \$5,005.18         |
| ZPSA-3      | 3"         | 10.8          | 49.5        | 18.8       | 175        | 215.0        | \$7,943.95         |
| ZPSA-4      | 4"         | 10.8          | 70.3        | 22.8       | 180        | 225.0        | \$9,305.06         |
| ZPSA -5     | 5"         | 14.0          | 80.5        | 26.0       | 300        | 320.0        | \$12,565.54        |
| ZPSA-6      | 6"         | 18.0          | 93.8        | 30.0       | 500        | 330.0        | \$13,481.20        |
| ZPSA-8      | 8"         | 24.0          | 122.8       | 36.0       | 900        | 575.0        | \$17,440.79        |
| ZPSA-10     | 10"        | 30.0          | 149.3       | 42.0       | 1,420      | 935.0        | \$28,459.62        |
| ZPSA-12     | 12"        | 30.0          | 179.5       | 42.0       | 1,425      | 1,165.0      | \$38,804.08        |
| ZPSA-14     | 14"        | 42.0          | 199.3       | 54.0       | 1,650      | 2,430.0      | \$76,049.06        |
| ZPSA-16     | 16"        | 48.0          | 224.3       | 60.0       | 2,200      | 3,260.0      | \$99,051.86        |

## ZPSAV – PRIMARY/SECONDARY HEADER – WITH AIR AND DIRT SEPARATION @ 150 PSI

| Item Number | Connection (In) | Diameter (In) | Height (In) | Width | Flow (GPM) | Weight (Lbs) | List Price (US \$) |
|-------------|-----------------|---------------|-------------|-------|------------|--------------|--------------------|
| ZPSAV-2     | 2"              | 6.6           | 34.3        | 14.8  | 65         | 120.0        | \$6,706.57         |
| ZPSAV-2.5   | 2 ½"            | 6.6           | 39.3        | 14.8  | 68         | 145.0        | \$7,547.99         |
| ZPSAV-3     | 3"              | 10.8          | 49.5        | 18.8  | 175        | 270.0        | \$10,480.57        |
| ZPSAV-4     | 4"              | 10.8          | 70.3        | 22.8  | 180        | 280.0        | \$12,243.82        |
| ZPSAV-5     | 5"              | 14            | 80.5        | 26.0  | 300        | 375.0        | \$16,506.58        |
| ZPSAV-6     | 6"              | 18            | 93.8        | 30.0  | 500        | 380.0        | \$18,560.63        |
| ZPSAV-8     | 8"              | 24            | 122.8       | 36.0  | 900        | 635.0        | \$25,960.12        |
| ZPSAV-10    | 10"             | 30            | 149.3       | 42.0  | 1,420      | 995.0        | \$42,225.42        |
| ZPSAV-12    | 12"             | 30            | 179.5       | 42.0  | 1,425      | 1,250.0      | \$52,235.78        |
| ZPSAV-14    | 14"             | 42            | 199.3       | 54.0  | 1,650      | 2,480.0      | \$102,374.20       |
| ZPSAV-16    | 16"             | 48            | 224.3       | 60.0  | 2,200      | 3,310.0      | \$133,333.34       |

For Hydronic Use Only / Not For Potable Water

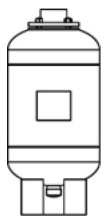
# ZILMET Shock and Surge Tanks (ZSSA) ASME Rated

Shock & Surge Tanks are specially designed hydro-pneumatic tanks used to absorb the harmful water hammer pressure wave in a piping system. When properly sized, these tanks are designed to capture the kinetic energy wave of a quick-closing valve (or other offending fixture) and limit the pressure spike that is otherwise created. Typically used in water well systems, municipal water distribution lines, pressure booster systems, and industrial water distribution systems.

## ZSSA SHOCK & SURGE TANKS

## REMOVABLE BLADDER TANK

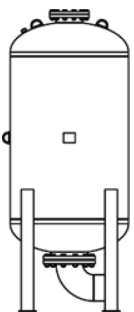
## ASME



| Item Number | Pressure Rating (PSIG) | Volume (Gal) | Acceptance Volume (Gal) | Product Dimensions (LxWxH) | Connection Size (NPT) | Weight (Lbs) | List Price (US \$) |
|-------------|------------------------|--------------|-------------------------|----------------------------|-----------------------|--------------|--------------------|
| ZSSA-35     | 250                    | 10           | 10                      | 12" x 12" x 26"            | 2 1/2"                | 63           | \$16,028.10        |
| ZSSA-50     | 250                    | 13           | 13                      | 14" x 14" x 26"            | 2 1/2"                | 74           | \$17,105.53        |



| Item Number | Pressure Rating (PSIG) | Volume (Gal) | Acceptance Volume (Gal) | Product Dimensions (LxWxH) | Connection Size (GROOVED) | Weight (Lbs) | List Price (US \$) |
|-------------|------------------------|--------------|-------------------------|----------------------------|---------------------------|--------------|--------------------|
| ZSSA-85     | 250                    | 23           | 23                      | 16" x 16" x 30 1/2"        | 3"                        | 116          | \$17,658.56        |
| ZSSA-130    | 250                    | 35           | 35                      | 20" x 20" x 30 1/2"        | 3"                        | 135          | \$18,955.30        |
| ZSSA-200    | 250                    | 53           | 53                      | 24" x 24" x 46 1/2"        | 3"                        | 250          | \$23,870.52        |
| ZSSA-300    | 250                    | 79           | 79                      | 24" x 24" x 58 1/2"        | 3"                        | 360          | \$24,526.04        |
| ZSSA-400    | 250                    | 106          | 106                     | 30" x 30" x 52 1/2"        | 3"                        | 430          | \$25,181.55        |
| ZSSA-500    | 250                    | 132          | 132                     | 30" x 30" x 63"            | 3"                        | 525          | \$25,729.81        |
| ZSSA-600    | 250                    | 158          | 158                     | 30" x 30" x 71"            | 3"                        | 640          | \$34,454.21        |
| ZSSA-700    | 250                    | 185          | 185                     | 30" x 30" x 81 1/2"        | 3"                        | 749          | \$37,970.19        |
| ZSSA-800L   | 250                    | 211          | 211                     | 32" x 32" x 84"            | 3"                        | 760          | \$45,114.18        |



| Item Number | Pressure Rating (PSIG) | Volume (Gal) | Acceptance Volume (Gal) | Product Dimensions (LxWxH) | Connection Size (FLANGED) | Weight (Lbs) | List Price (US \$) |
|-------------|------------------------|--------------|-------------------------|----------------------------|---------------------------|--------------|--------------------|
| ZSSA-1000   | 250                    | 264          | 264                     | 36" x 36" x 85"            | 10"                       | 830          | \$53,309.39        |
| ZSSA-1200   | 250                    | 317          | 317                     | 36" x 36" x 107"           | 10"                       | 1118         | \$64,782.21        |
| ZSSA-1400   | 250                    | 370          | 370                     | 36" x 36" x 119"           | 10"                       | 1330         | \$69,046.67        |
| ZSSA-1600   | 250                    | 422          | 422                     | 48" x 48" x 92"            | 10"                       | 1713         | \$81,453.90        |
| ZSSA-2000   | 250                    | 528          | 528                     | 48" x 48" x 105"           | 10"                       | 2026         | \$93,472.59        |
| ZSSA-2500   | 250                    | 660          | 660                     | 48" x 48" x 122"           | 10"                       | 2352         | \$102,077.80       |

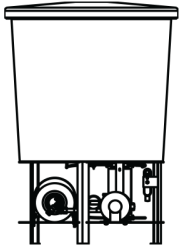
| Description | Material                        |
|-------------|---------------------------------|
| shell       | carbon steel                    |
| bladder     | heavy duty butyl (FDA Approved) |
| finish      | primer painted exterior         |

| Operating Conditions       |         |
|----------------------------|---------|
| precharge of               | 40 psi  |
| max. operating pressure    | 250 psi |
| max. operating temperature | 240° F  |
| warranty                   | 1 years |

[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

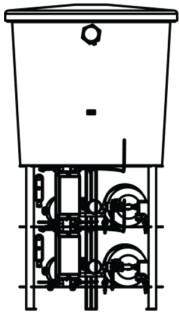
# ZILMET Glycol Make-Up (ZGMP) ASME Rated

Glycol make-up packages function by automatically supplying pressurized water, or water/glycol mixture to a closed loop space heating, chilled water, snowmelt, radiant heating, or process control system. The engineering package is designed to ensure that critical minimum system pressure levels are maintained. Benefits include preventing major floods in the event of a system rupture, eliminating the need for a backflow prevention system, protecting the system from freezing by utilizing a predetermined solution, ensuring EPA compliance, and maintaining pressure within the system. Included is a solution reservoir and a pump with control for precise metering.



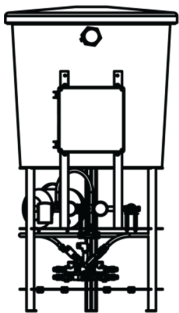
## ZGMP – SINGLE SYSTEM PACKAGE

| Item Number | Pump (HP) | Solution Volume (Gal) | Product Dimensions (LxWxH) | Connection Size (NPT) | Weight (Lbs) | List Price (US \$) |
|-------------|-----------|-----------------------|----------------------------|-----------------------|--------------|--------------------|
| ZGMP-13050  | 1/3       | 50                    | 34" x 34" x 45"            | 1/2"                  | 134          | \$13,992.41        |
| ZGMP-13100  | 1/3       | 100                   | 34" x 34" x 68"            | 1/2"                  | 140          | \$14,523.97        |
| ZGMP-15050  | 1/2       | 50                    | 34" x 34" x 45"            | 1/2"                  | 138          | \$15,198.57        |
| ZGMP-15100  | 1/2       | 100                   | 34" x 34" x 68"            | 1/2"                  | 140          | \$15,734.90        |



## ZGMPD – DUAL SYSTEMS/SINGLE PACKAGE

| Item Number | Pump (HP) | Solution Volume (Gal) | Product Dimensions (LxWxH) | Connection Size (NPT) | Weight (Lbs) | List Price (US \$) |
|-------------|-----------|-----------------------|----------------------------|-----------------------|--------------|--------------------|
| ZGMPD-23050 | 1/3"      | 50                    | 34" x 34" x 56"            | 1/2"                  | 214          | \$22,952.79        |
| ZGMPD-23100 | 1/3"      | 100                   | 34" x 34" x 80"            | 1/2"                  | 255          | \$23,505.81        |
| ZGMPD-25050 | 1/2"      | 50                    | 34" x 34" x 56"            | 1/2"                  | 218          | \$25,148.18        |
| ZGMPD-25100 | 1/2"      | 100                   | 34" x 34" x 80"            | 1/2"                  | 259          | \$25,698.82        |



## ZGMPT – ALTERNATING TWIN PUMP PACKAGE

| Item Number | Pump (HP) | Solution Volume (Gal) | Product Dimensions (LxWxH) | Connection Size (NPT) | Weight (Lbs) | List Price (US \$) |
|-------------|-----------|-----------------------|----------------------------|-----------------------|--------------|--------------------|
| ZGMPT-33050 | 1/3"      | 50                    | 40" x 34" x 56"            | 1/2"                  | 236          | \$25,705.90        |
| ZGMPT-33100 | 1/3"      | 100                   | 40" x 34" x 80"            | 1/2"                  | 226          | \$26,328.13        |
| ZGMPT-35050 | 1/2"      | 50                    | 40" x 34" x 56"            | 1/2"                  | 240          | \$28,165.97        |
| ZGMPT-35100 | 1/2"      | 100                   | 40" x 34" x 80"            | 1/2"                  | 230          | \$28,790.50        |

| Description | Material                 |
|-------------|--------------------------|
| tank        | polyethylene solution    |
| base        | carbon steel             |
| finish      | gray steel base exterior |
| pump        | bronze                   |

| Operating Conditions       |            |
|----------------------------|------------|
| precharge of               | 12 psi     |
| max. operating pressure    | 70 psi     |
| max. operating temperature | 160° F     |
| motor                      | 110V, 60HZ |

## ZILMET Warranty List

| Product                               | Model                                  | Warranty Duration                       |
|---------------------------------------|----------------------------------------|-----------------------------------------|
| Well Tanks                            | Hydro Plus (ZHP)                       | 5 Year Limited Manufacturer's Warranty  |
| Thermal Expansion Tanks               | Easy Pro (ZEP)                         | 5 Year Limited Manufacturer's Warranty  |
| Hydronic Expansion Tanks              | Cal Pro (ZHT)                          | 5 Year Limited Manufacturer's Warranty  |
| Hydronic Flat Expansion Tanks         | ZILMET Flats (ZFT)                     | 5 Year Limited Manufacturer's Warranty  |
| Stainless Steel Tanks                 | Inox Pro (ZS) and Ultra Inox Pro (ZUP) | 5 Year Limited Manufacturer's Warranty  |
| ActivFlo                              | Nano, Solo, Whole House, Commercial    | 15 Year Limited Manufacturer's Warranty |
| ActivFlo Lite                         | ActivFlo Lite                          | 12 Year Limited Manufacturer's Warranty |
| Magnetic Filters and Boiler Trim Kits | All sizes                              | 5 Year Limited Manufacturer's Warranty  |
| Maximizer                             | All models                             | 5 Year Limited Manufacturer's Warranty  |
| Hydronic Buffer Tanks                 | Buffer Tanks (ZBT)                     | 5 Year Limited Manufacturer's Warranty  |
| Hydraulic Separators                  | Hydraulic Separators (ZHS)             | 5 Year Limited Manufacturer's Warranty  |
| Heat Exchangers                       | Brazed Plate and Frame                 | 1 Year Limited Manufacturer's Warranty  |
| Commercial Products                   | All models                             | 1 Year Limited Manufacturer's Warranty  |

Visit our website for the latest shipping terms and conditions

Please submit all orders to [orders@zilmetusa.com](mailto:orders@zilmetusa.com)

Please process all warranties at [zilmetusa.com](http://zilmetusa.com)



# ALWAYS MOVING FORWARD<sup>TM</sup>



Follow us on Instagram!



zilmetusa

ZILMET USA Corp • 405 Technology Dr. Andrews, South Carolina 29510

843.983.1000 | INFO@ZILMETUSA.COM | ZILMETUSA.COM

ZL0022 3/26