



ZILMET USA

2026 List Price Catalog



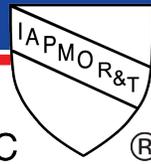
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ZILMET Hydro-Plus™ Well Tanks (ZHP) Inline and Side Connection Models



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	¾"	9" x 9" x 13"	0.7	0.6	5041337	10	\$ 302.40
ZEP12	4.8	9.0	¾"	11" x 11" x 16"	1.6	1.4	5041344	10	\$ 384.40
ZEP18	6.3	12.0	¾"	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"	20" x 20" x 32"	9.5	8.2	5010289	10	\$1,993.05
ZHP-204	40.0	54.0	1 ¼"	20" x 20" x 40"	13.5	11.7	5010296	10	\$2,799.79
ZHP-250	55.0	73.0	1 ¼"	20" x 20" x 51"	18.0	15.6	5010838	10	\$3,379.39
ZHP-251	66.0	98.0	1 ¼"	25" x 25" x 42"	22.5	19.5	5010302	10	\$3,658.89
ZHP-302	79.0	106.0	1 ¼"	25" x 25" x 48"	27.0	23.4	5010845	10	\$4,594.62
ZHP-350	106.0	128.0	1 ¼"	25" x 25" x 61"	36.0	31.2	5010319	10	\$6,200.60
ZHP-351	119.0	125.0	1 ¼"	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

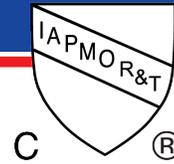
Description	Material	Operating Conditions
shell	carbon steel	max. operating pressure 150 psi
connection	stainless steel	operating temperature 210° F
diaphragm	butyl	factory precharge 38 psi
color	tan	warranty 5 years

- Please see page 12 for tank accessories

SEE OUR WEBSITE FOR TANK SIZING CALCULATOR

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

NSF/ANSI/CAN 61



FEATURES

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

BLUE 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"	18" x 18" 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"	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



Certified to NSF/ANSI 61



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	buytl
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

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



For use with traditional water heaters and tankless water heaters.



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-034	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

PLUMBING-HEATING-COOLING
CONTRACTORS ASSOCIATION

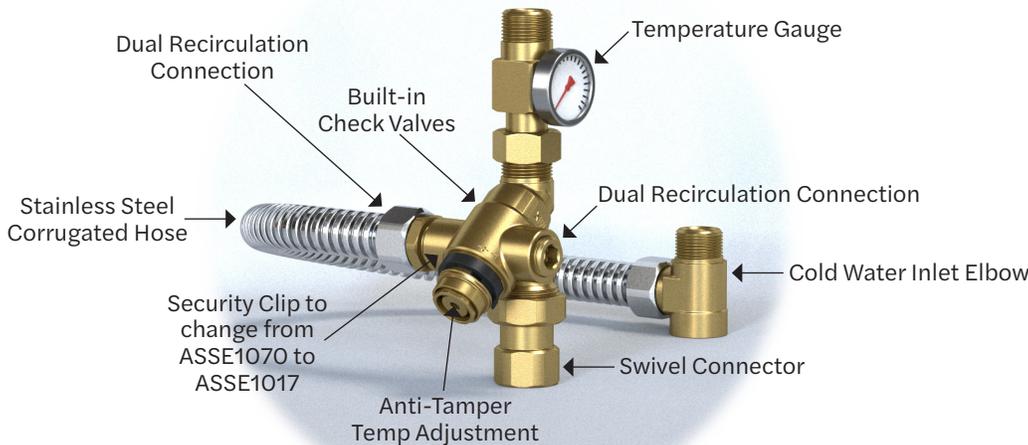
The Maximizer is installed on a water heater and will allow the water heater to safely operate at a higher set point. Two advantages are: (1) more useable hot water from your water heater, (2) higher temperatures kill water-borne bacteria.

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 ¾" NPT Connection	1.2-11.0 GPM	¾" 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

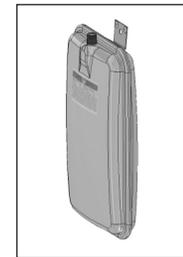
All tanks come with a fixed mounting bracket and a union connection with a two way service check valve

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.



Hanging Bracket

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

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

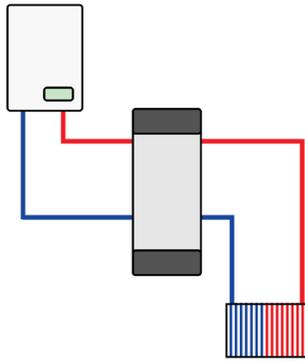
[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

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

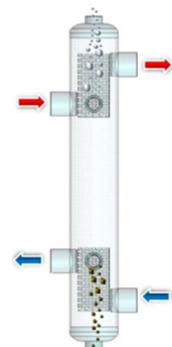
Operating Conditions

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 Trim Kit with air vent, drain and fittings

All models include accessory trim kit:

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



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 PRO-REPLACEMENT MEMBRANES	Standard Lead Time (Days)	List Price (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

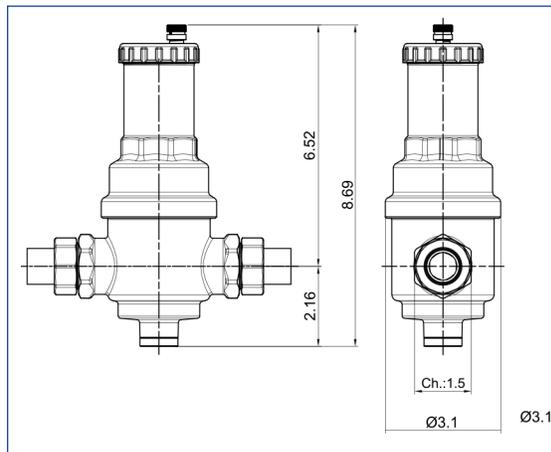
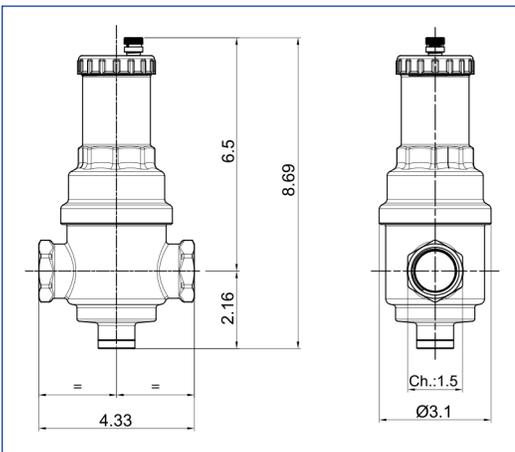
ZILMET Boiler Accessories

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

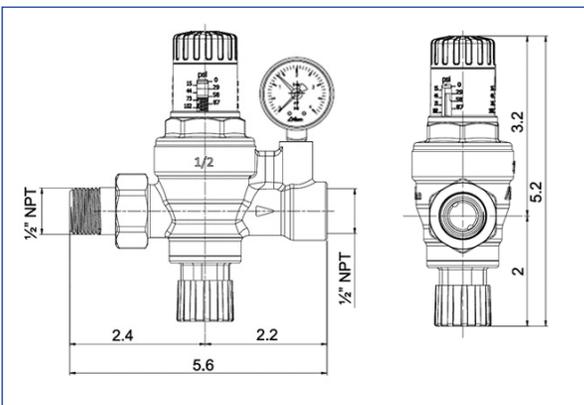


BOILER FILL VALVE

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

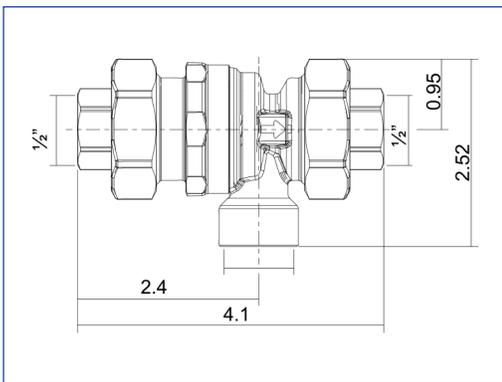
BACKFLOW PREVENTION DEVICE

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

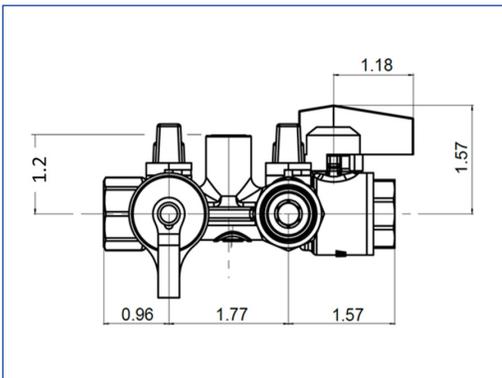
MULTI ISOLATION VALVE

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



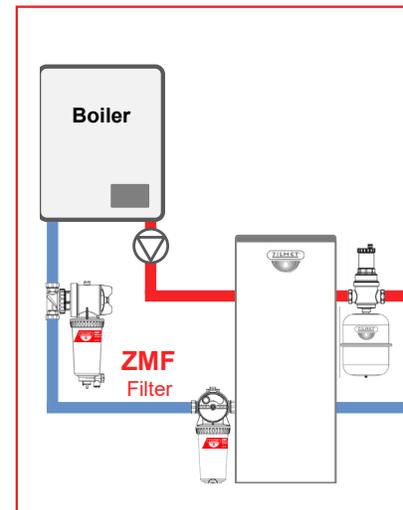
PRODUCT RANGE AND DIMENSIONS

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 connections

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

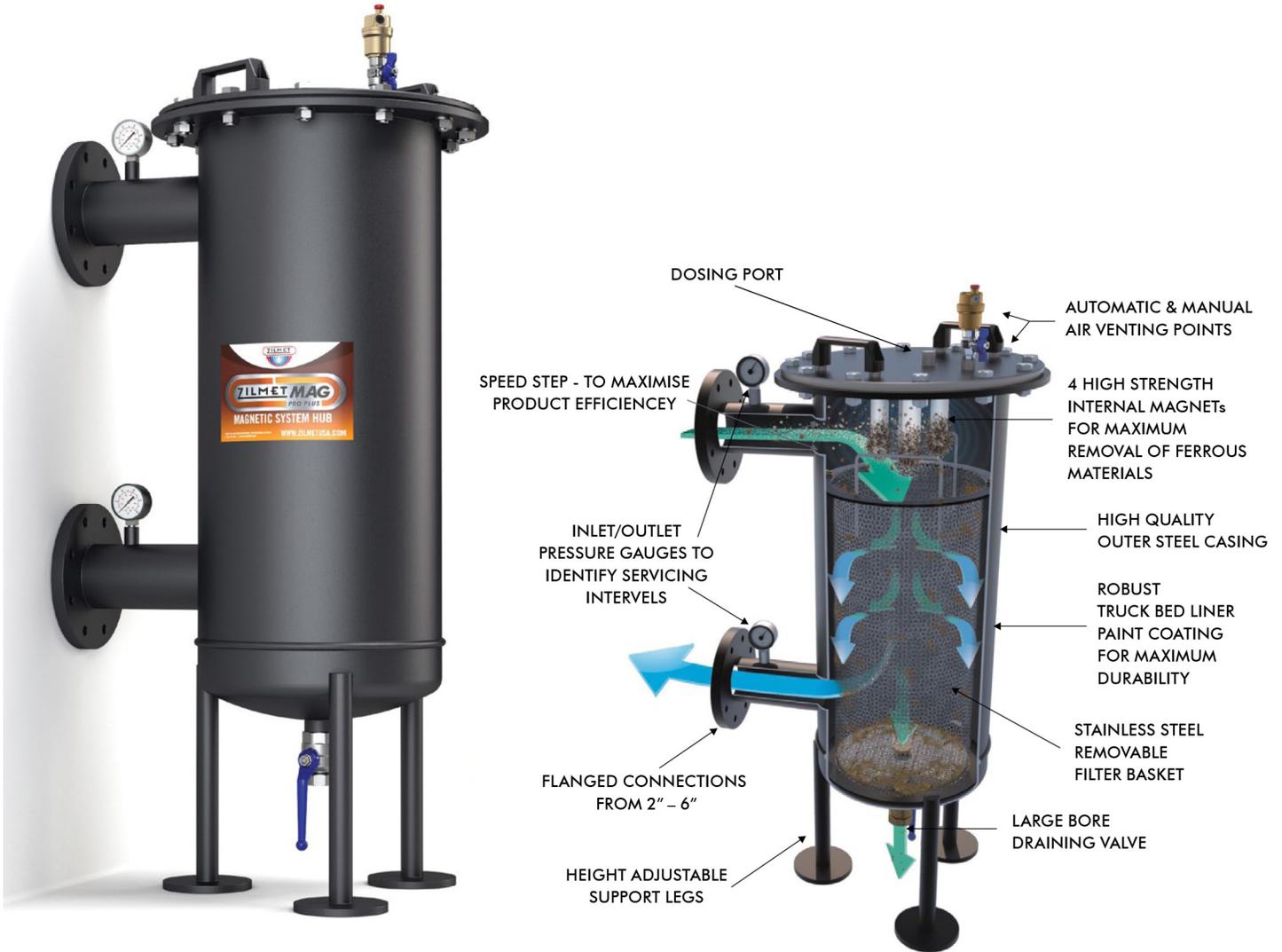
Item Number	Filter Bag Size	List Price (US \$)
IMPFB01	1 Micron	\$739.22
IMPFB05	5 Micron	\$706.44
IMPFB10	10 Micron	\$673.46
IMPFB20	20 Micron	\$640.67
IMPFB30	30 Micron	\$640.67
IMPFB50	50 Micron	\$624.28



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

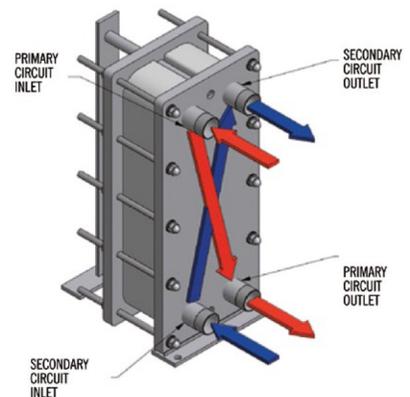
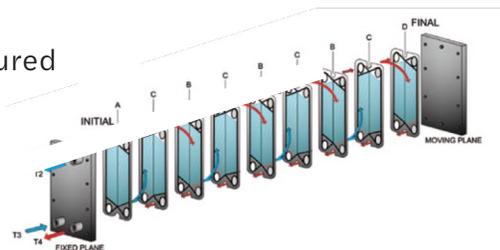
- **Applications:** The ZILMET plate heat exchanger has many applications. These include: production of sanitary hot water, decoupling of thermal circuits, district heating systems, recovery of heat coming from industrial process, cooling or heating of alimentary fluids (milk, beer, wine, etc), cooling 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](tel: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
FRAME	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
PLATES	Exchange Surface	in ²	52.70	52.70	201.50	201.50	341.00
	Thickness	in	0.02	0,02	0.02	0.02	0.02
TIE RODS	Length (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)			
GUIDE CARRYING BARS	Length (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 (with standard EPDM gaskets)	°F	284	284	284	284	230	
Max. working temperature (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**

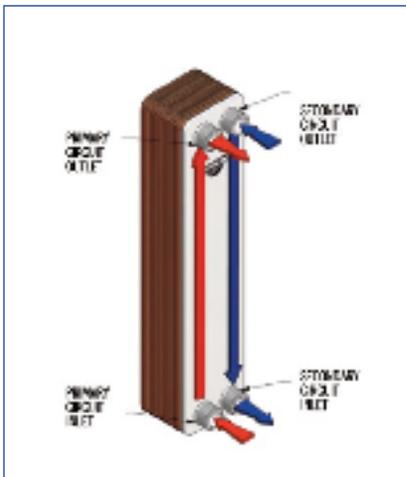
SEE OUR WEBSITE FOR SIZING CALCULATOR

ZILMET Brazed 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

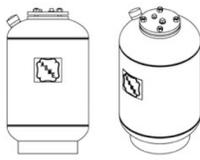
**TO SECURE TANK AT BASE
(NOT SEISMIC APPROVED)**

List Price	
each	\$2298.12

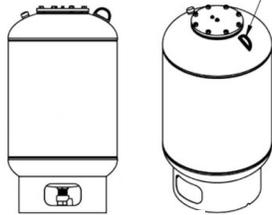
3 clips per tank up to 800L. Above 800L use 4 clips.

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

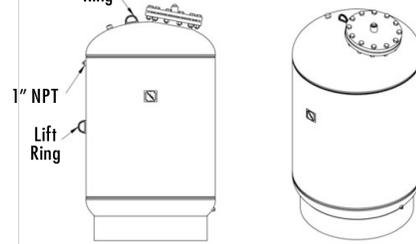
ZELA-35 & ZELA-50



ZELA-85 thru ZELA-800L Lift Ring



Lift Ring 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

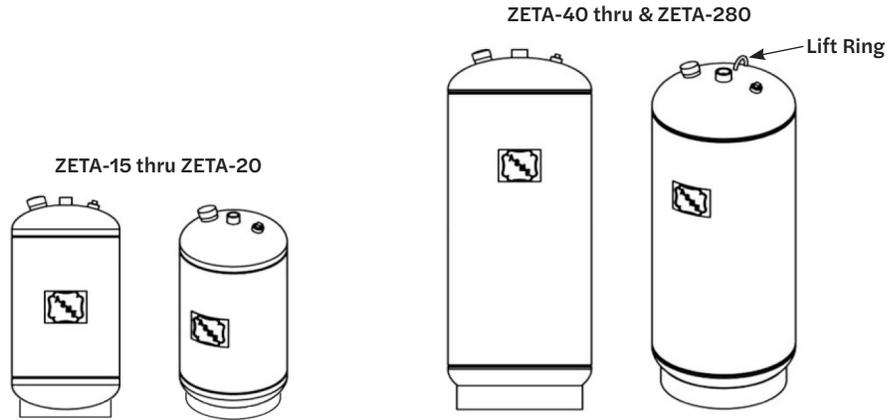
- Stainless Steel ASME tanks (304 & 316 Stainless)
- For Stainless steel tanks, add to suffix 304SS / 316SS
- Seismic restraints

* 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

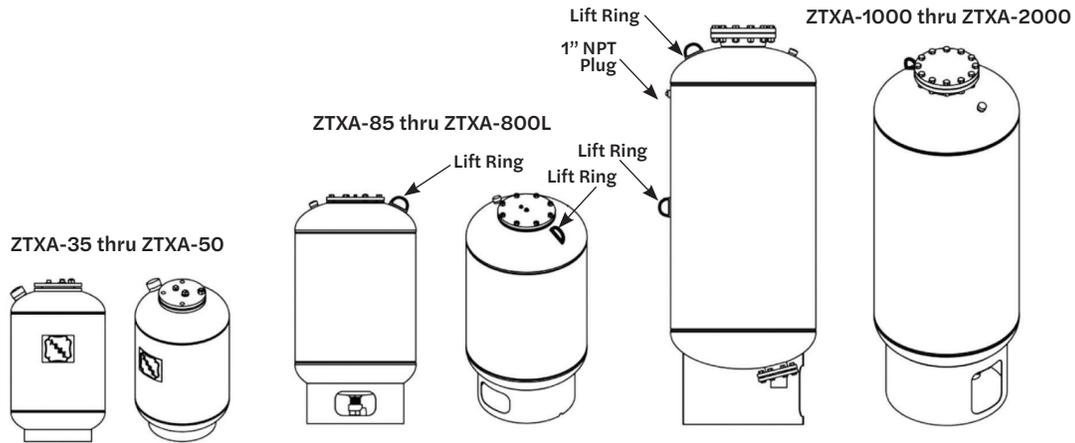
AVAILABLE UPON REQUEST

- 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



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.

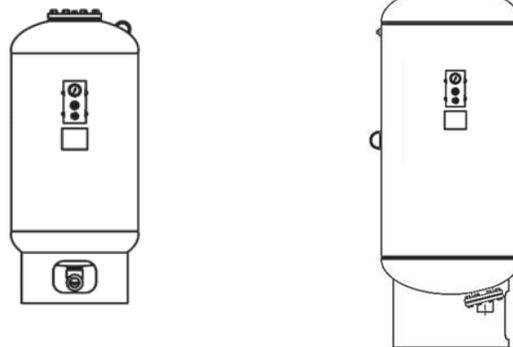
[SEE OUR WEBSITE FOR TANK SIZING CALCULATOR](#)

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



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

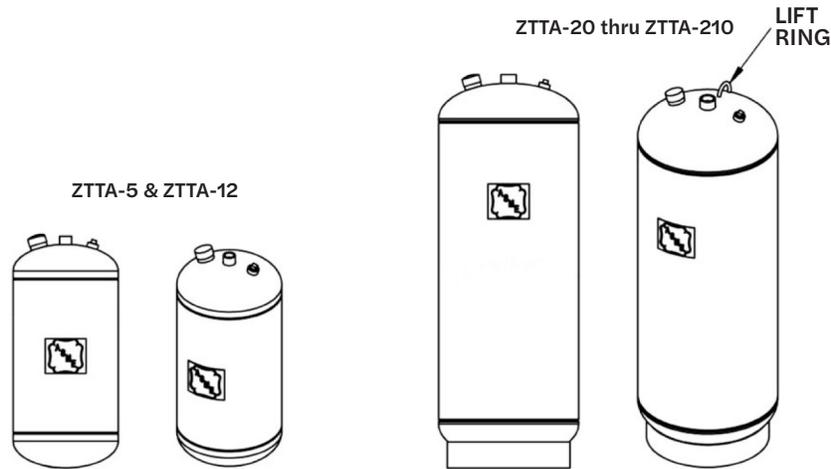
Description	Material
shell	carbon steel
connection	stainless steel
bladder	heavy duty butyl (FDA Approved)
finish	primer painted exterior

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

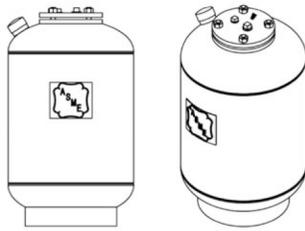
• The design and construction is manufactured to conform to ASME Section VIII, Div 1.

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

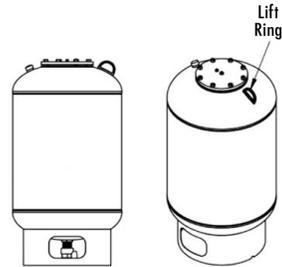
ZILMET Hydro-Pneumatic Tank with Replaceable Bladder (ZHXA) ASME Rated Expansion Tank



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)

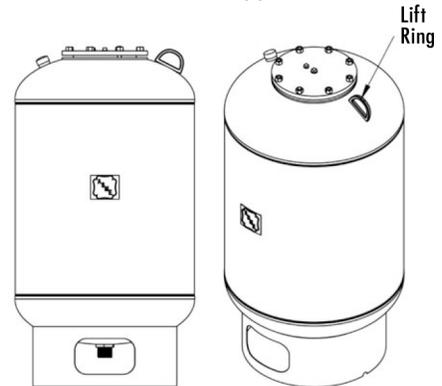
Operating Conditions	
precharge of	40 psi
max. operating pressure	ZHXA-35 thru ZHXA-600, ZHXA800: 125 psi ZHXA-700: 200 psi
max. operating temperature	240° F

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](#)

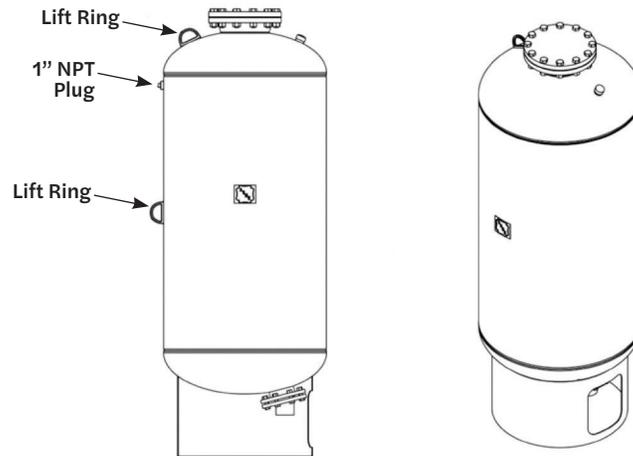
ZHXA-700



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



ZHXA-1000 thru ZHXA-15000



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

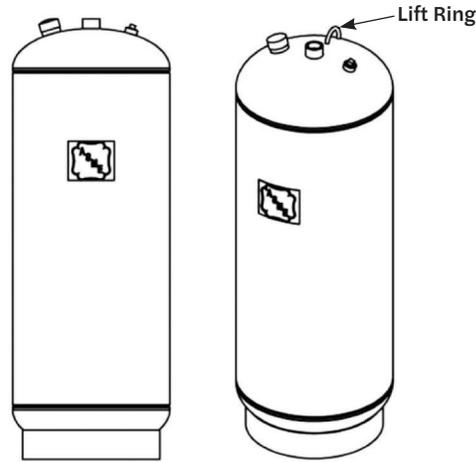
- Stainless Steel ASME tanks (304 & 316 Stainless)
- For Stainless steel tanks, add to suffix - 304SS / 316SS
- Seismic restraints
- Ratings for 150, 200 & 250 psi
- The design and construction is manufactured to conform to ASME Section VIII, Div 1.

[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



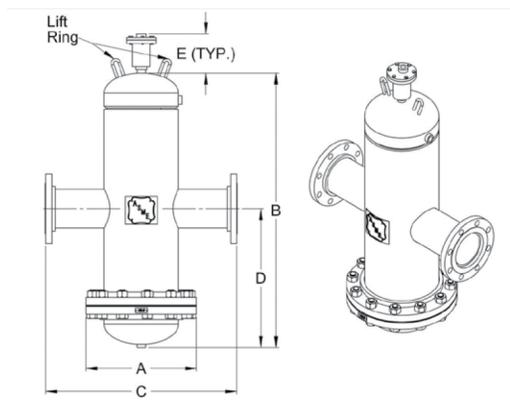
ZILMET Air and Dirt Separators (ZADS) are designed to eliminate entrained air and separate debris associated with start-up and continuous operation of any hydronic system. The design incorporates a removeable end cover for access to the coalescing media, a skim valve (optional) used to eliminate floating 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

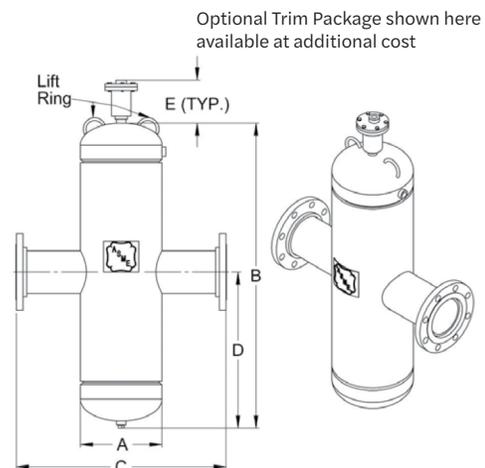
Options	
material	stainless steel
coalescing media	copper mesh
optional magnetic filtration to remove ferrous particle	

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 CARTRIDGE	High Velocity (ZADS-HV)			REPLACEMENT CARTRIDGE	
Item Number	Flange Size (In)	A (In)	B (In)	C (In)	D (In)	Flow (GPM)	List Price (US \$)	List Price (US \$)	C (In)	D (In)	Flow (GPM)	List Price (US \$)	List Price (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 AIR AND DIRT SEPARATOR (ZADSN) Standard Velocity (ZADSN) High Velocity (ZADSN-HV)

Item Number	Flange Size (In)	A (In)	B (In)	C (In)	D (In)	Flow (GPM)	List Price (US \$)	C (In)	D (In)	Flow (GPM)	List Price (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 (ΔT) 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; 1" NPT bottom drain

(ZCBT) CHILLED WATER BUFFER TANKS

Item Number	Gallons	Diameter (In)	Height (In)	Weight	3"	4"	6"	8"	10"
					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 1/2" 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.

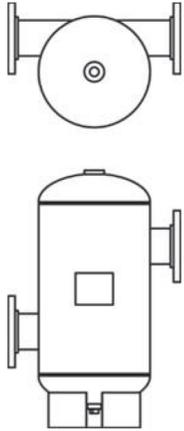
For Hydronic Use Only / Not For Potable Water

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

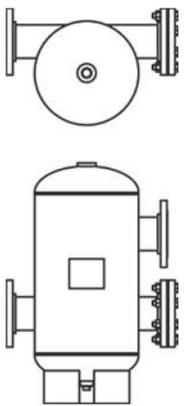
WITHOUT STRAINER



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

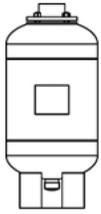
ZILMET Shock and Surge Tanks (ZSSA) ASME Rated

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

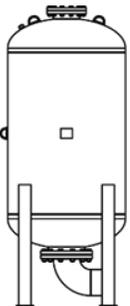
ASME



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

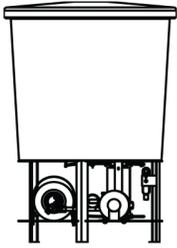
Description	Material
shell	carbon steel
bladder	heavy duty butyl (FDA Approved)
finish	primer painted exterior

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](#)

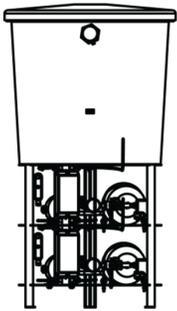
ZILMET Glycol Make-Up (ZGMP) ASME Rated

Glycol make-up packages function by automatically supplying pressurized water, or water/glycol mixture to a closedloop 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.



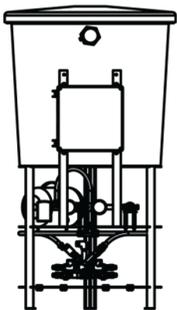
ZGMP – SINGLE SYSTEM PACKAGE

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

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Please process all warranties at zilmetusa.com



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