

SOLAR SYSTEM AND CALORIFIER



Zenith

WATER HEATER

PERFORMANCE
GUARANTEED
SINCE 1995



Company Profile

Design for Performance

Design of all Zenith products is based on principles of:

- Consistent performance
- Easy to use
- Safety and reliability
- Value for the money



Made to Perfection

Production processes are established using state of the art equipment to achieve precision and accuracy. This ensures quality built into every unit produced

Smile of Confidence

Smile of confidence across the border brings towering success. We have built our reputation in the Middle East and Asian markets and now our wings are spreading globally.



Solar Systems

Thermosiphon Water Heater

150 - 300 Ltrs



Technical Information

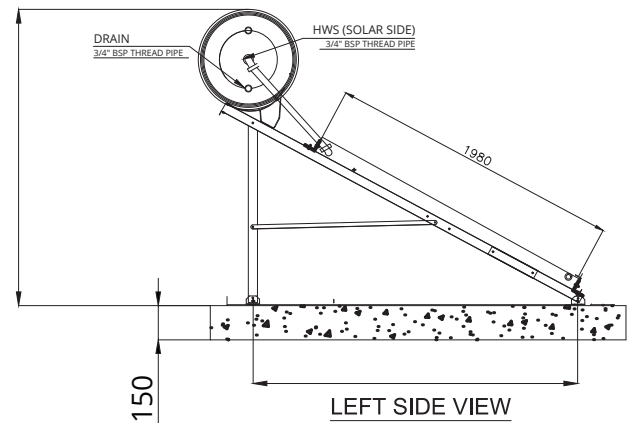
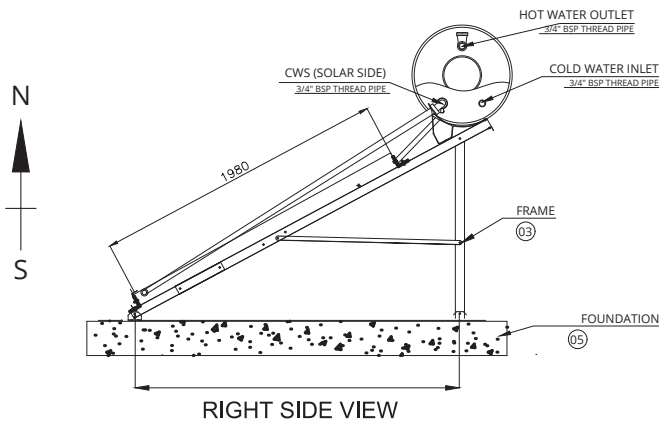
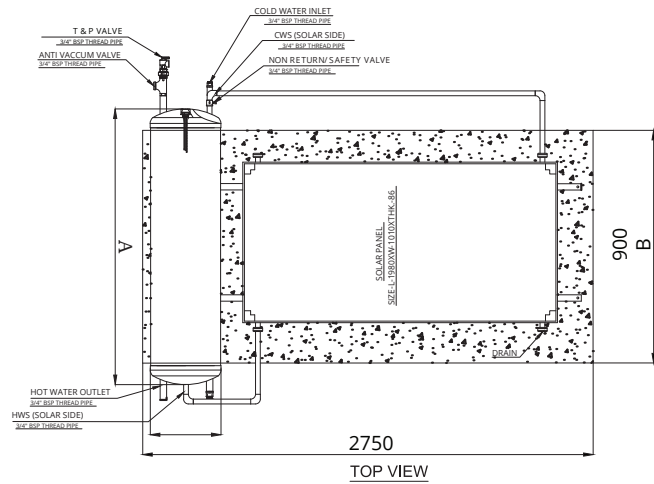
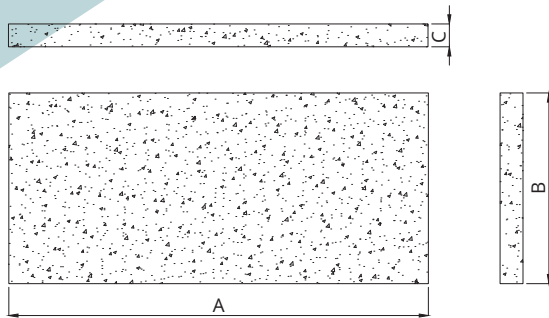
Model	Tank Capacity (L)	A Width (mm)	B Length (mm)	H Height (mm)	No. of Panels (2m ² each)	Panel's Length (mm)	Panel's Width (mm)	Electrical Backup (2KW)	C Diameter (mm)
ZT150S	150	1450	1300	1640	1	1980	1010	3000	440

Model	Tank Capacity (L)	A Width (mm)	B Length (mm)	H Height (mm)	No. of Panels (2m ² each)	Panel's Length (mm)	Panel's Width (mm)	Electrical Backup (2KW)	C Diameter (mm)
ZT200S	200	1500	1300	1740	1	1980	1010	3000	540

Model	Tank Capacity (L)	A Width (mm)	B Length (mm)	H Height (mm)	No. of Panels (2.7m ² each)	Panel's Length (mm)	Panel's Width (mm)	Electrical Backup (W)	C Diameter (mm)
ZT300S-01	300	1500	1300	1900	1	2160	1260	3000	620

Model	Tank Capacity (L)	No. of Users	A Width (mm)	B Length (mm)	H Height (mm)	No. of Panels (2m ² each)	Panel's Length (mm)	Panel's Width (mm)	Electrical Backup (W)	C Diameter (mm)
ZT300S	300	3	1500	2800	1690	2	1980	1010	3000	620

Foundation Drawing



Foundation Specification

Model	Tank Capacity (L)	A Width (mm)	B Length (mm)	H Height (mm)	Panel Length (mm)	Panel Width (mm)	Electrical Backup (W)
ZS150	150	1450	1300	1640	1980	1010	2KW
ZS200	200	1500	1300	1640	1980	1010	2KW
ZS300	300	1500	2800	1640	1980	1010	3000
ZT300S-01	300	1500	1300	1640	2160	1260	3000

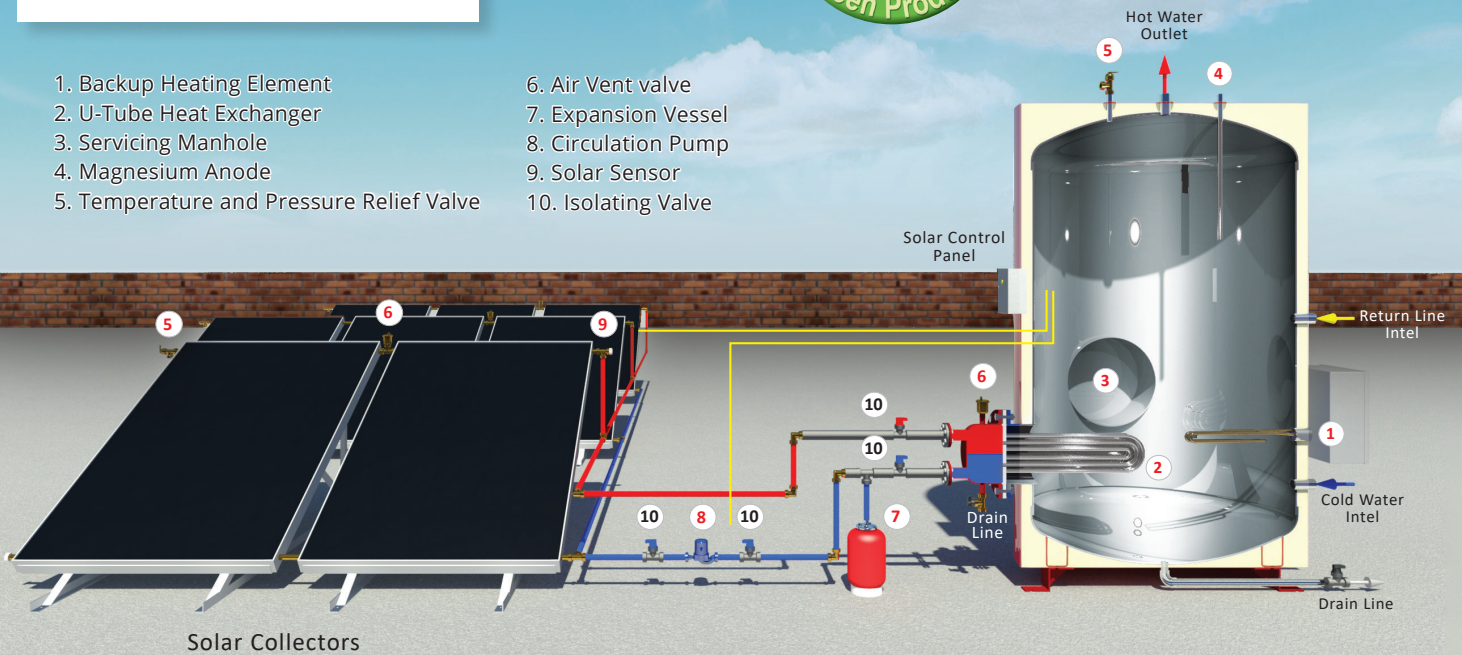
* Possible combinations up to 10000 (L)

Active Solar Systems

Forced circulation water heater



- 1. Backup Heating Element
- 2. U-Tube Heat Exchanger
- 3. Servicing Manhole
- 4. Magnesium Anode
- 5. Temperature and Pressure Relief Valve
- 6. Air Vent valve
- 7. Expansion Vessel
- 8. Circulation Pump
- 9. Solar Sensor
- 10. Isolating Valve



Technical Information

Model	Heater		
	KW	A Height (mm)	B Diameter (mm)
ZS 200	3	1500	540
ZS 300	3	1500	620
ZS 500	6	1700	800
ZS 750	6	2400	800
ZS 1000	9	2350	900
ZS 1500	9	1660	1400
ZS 2000	18	1890	1400
ZS 2500	18	2610	1400
ZS 3000	24	3070	1400
ZS 4000	24	2760	1700
ZS 5000	30	3220	1700
ZS 7500	36	3370	2050
ZS 10000	36	3760	2300

* Possible combinations up to 10000 (L)

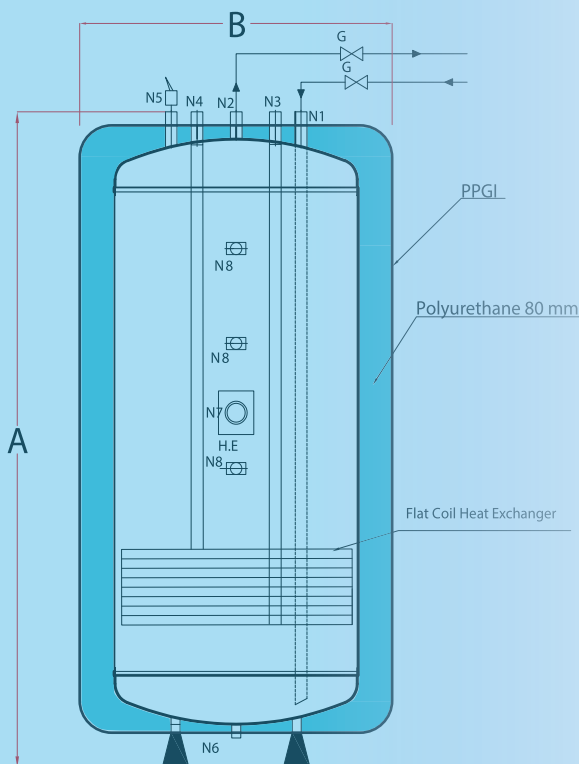


Zenith Stainless Steel Solar Water Heater

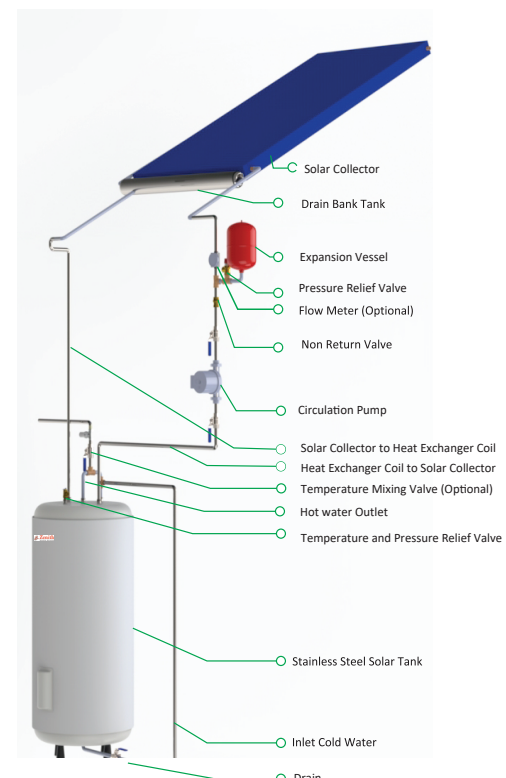
With Flat Coil Heat Exchanger



Model	Capacity "L"	Working pressure "Bar"	Dimensions		Actual Capacity of the inner tank "L"	Insulation thickness "MM"	Empty Weight "KG"	Full Weight "KG"	Inner Tank Stainless Steel (With range of Options)
			A "MM"	B "MM"					
ZT150SF	150	10	640	1400	154	80	67	217.43	Stainless Steel 304 Stainless Steel 316 Stainless Steel 316L Duplex Stainless Steel Stainless Steel TI
ZT200SF	200	10	640	1500	226	80	72	292.28	
ZT300SF	300	10	720	1500	313	80	79	387.92	
ZT400SF	400	10	810	1700	407	80	120	519.31	
ZT500SF	500	10	810	1750	507	80	130	628.97	
ZT600SF	600	10	810	1850	603	80	135	725.94	

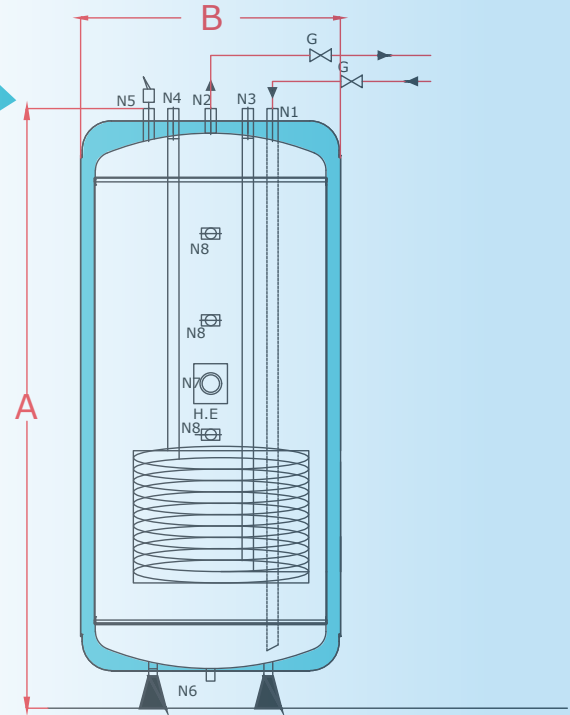


- N1: Cold water inlet
- N2: Hot water outlet
- N3: Solar cold inlet
- N4: Solar hot outlet
- N5: T&P valve
- N6: Drain
- N7: Titanium Anod (Optional)
- N8: Touch type provision
– Thermometer



Zenith Stainless Steel Solar Water Heater

with corrugated tubular heat exchanger



Insulation : 150 Liters to 300 Liters is Polyurethane Foam
: 400 Liters to 10000 Liters is High Density Fiber Glass wool

N 1: Cold water inlet
N 2: Hot water Outlet
N 3: Solar cold inlet
N 4: solar hot outlet

N 5: T & P valve
N 6: Drain
N 7: Titanium anode (optional)
N 8: Touch type provision- Thermometer

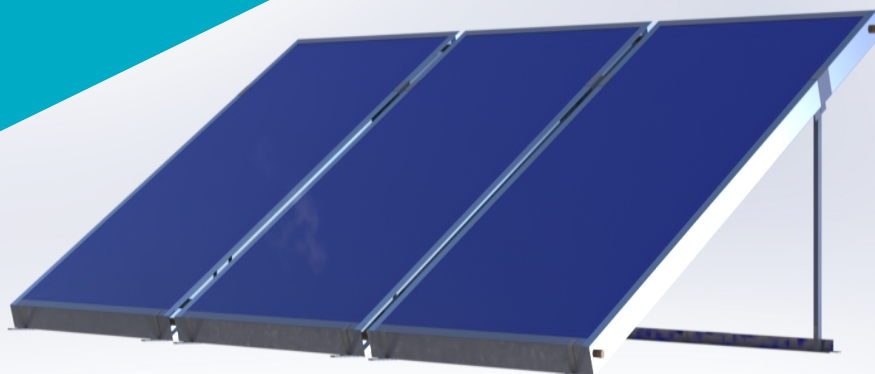
Model	Capacity "L"	Working pressure "Bar"	Dimensions		Actual Capacity of the inner tank "L"	Insulation thickness "MM"	Empty Weight "KG"	Full Weight "KG"	Inner tank Stainless steel (With range of Options)
			A "MM"	B "MM"					
ZT150SF-C	150	10	540	1400	154	30	63.43	213.43	Stainless Steel 304 Stainless Steel 316 Stainless Steel 316L Duplex Stainless Steel Stainless Steel TI
ZT200SF-C	200	10	540	1500	226	30	66.28	266.28	
ZT300SF-C	300	10	620	1500	313	30	74.92	374.92	
ZT350SF-C	350	10	800	1700	351	75	112.31	512.31	
ZT400SF-C	400	10	800	1800	407	75	121.97	621.97	
ZT500SF-C	500	10	800	1850	507	75	122.94	722.94	
ZT600SF-C	600	10	800	2400	603	75	155.79	905.79	
ZT750SF-C	750	10	750	2400	756	75	176.91	1176.91	
ZT1000SF-C	1000	10	1400	1560	1002	100	269.51	1769.51	
ZT1500SF-C	1500	10	1400	2030	1508	100	328.34	2328.34	
ZT2000SF-C	2000	10	1400	2310	2010	100	363.38	2863.38	
ZT2500SF-C	2500	10	1400	2810	2511	100	425.96	3425.96	
ZT3000SF-C	3000	10	1700	2760	3003	100	623.94	4623.94	
ZT4000SF-C	4000	10	1700	3220	4008	100	709.41	5709.41	
ZT5000SF-C	5000	10	2300	3370	5012	100	1089.96	8589.96	
ZT7500SF-C	7500	10	540	3760	7515	100	1409.92	11409.92	
ZT10000SF-C	10000	10	540	1400	10010	30	63.43	213.43	

Collectors

Solar water heater

Accessories

We provide a reliable Solar Collectors as an accessories with our products



Technical Data									
TYPE	SI	15	17	19	20	23	25	27	29
Overall Area	m2	1.51	1.68	1.96	2.02	2.25	2.52	2.66	2.93
Absorber Area	m2	1.35	1.1	1.79	1.83	2.03	2.33	2.43	2.71
L x W x H	mm	1503X1007 X85	1402X1183 X85	1503X1305 X85	2006X1007 X85	1893X1183 X85	2006X1257 X85	2261X1183 X85	2006X1457 X85
Weight (Dry & Pack)	Kg	21	23	26	27	29	34	36	42
Absorber Volume Capacity	L	1.3	1.4	1.5	1.6	1.8	1.9	2	2.1
Housing /Thickness	mm	Anodized Aluminum Frame / 1							
Glass Over	mm	Tempered, Low Iron							
Glass Transmittance Solar/Light	%	91,8 / 91,9							
Thermal Insulation (Back)/Thickness/Density	mm/kg/m3	Mineral Wool / 30 / 30							
Thermal Insulation (Lateral)/Thickness/Density	mm/kg/m3	Mineral Wool / 15 / 60							
Back Support /Thickness	mm	mm	mm	mm	mm	mm	mm	mm	mm
Absorber		Harp Positioned – Copper Tubes -Selective Aluminum Strips Surface - Laser Welded							
Absorbtion	%	95 ± 2							
Emission	%	5 ± 2							
Header Cu Ø/Thickness	mm	22 / 0,7							
Riser Cu Ø / Thickness	mm	8 / 0,40							
Number of Risers in Vertical Position	Pcs	8	10	11	8	10	11	10	12
Number of Risers inHorizontal Position	Pcs	13	12	13	17	16	17	19	17
Connection Cu Ø 22		4 or 2							
Max Operating Pressure	Bar	10							
Heat Transfer Carrier	mm	Anti-Freeze (Propylene Glycol& Water Mixture)							
Kw/m2 & 30°C	°C	199							
Position		Vertical or Horizontal							

Controller Solar Water Heater Accessories

We provide a reliable Solar Controller as an accessories with our products



Application	Model	System Type	Application	Optional accessories			
				Sensor	Mechanical flow meter	Electrical flow Meter	Flow Switch
Controllers	SR201	Non-Pressurized	For electrical and Thermosiphon systems	Yes	No	No	Yes
Controllers	SR501	Integrated Non-Pressurized	For electrical and Thermosiphon systems	Yes	No	No	Yes
Solar Controllers	SR609C	Integrated Pressurized	For electrical and Thermosiphon systems	Yes	No	No	No
Solar Controllers	SR208C	Split Pressurized	Active system with one (1) collector	Yes	No	No	No
Solar Controllers	SR81/SR868	Split Pressurized	Active system with one (1) collector	Yes	No	No	No
Solar Controllers	SR658	Split Pressurized	Active system with one (2) collector	Yes	Yes	Yes	Yes
Solar Controllers	SE530F87	Split Pressurized	Active system projects of Solar Collector	Yes	Yes	Yes	Yes

NOTE:

- All of the Accessories (supplied by us) are covered with our warrantee
- Recommended Ambient temperature for All Controllers type: -10 to 40oC



Stainless Steel Calorifier

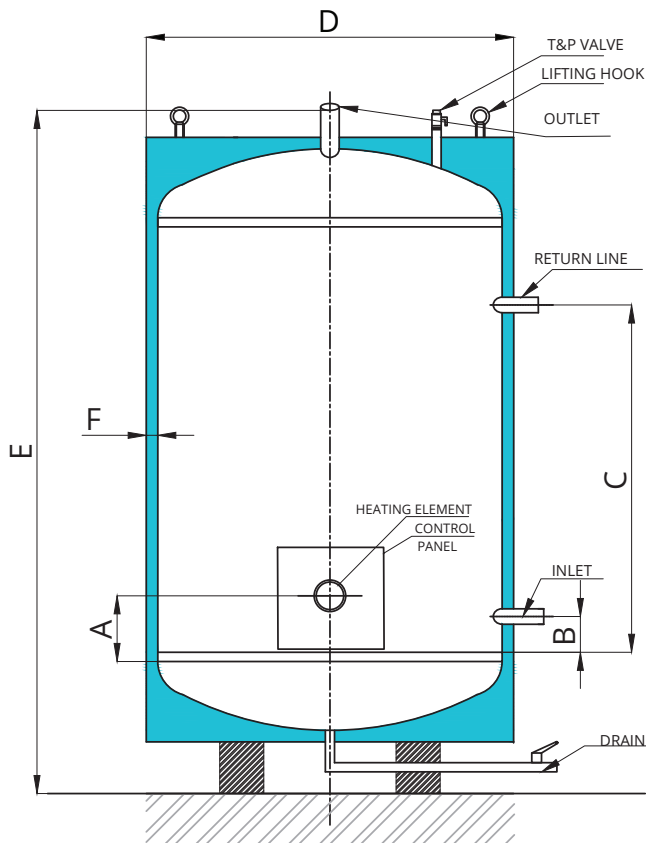
Z450VFM & Z10,000VFM



Technical Information

Product Dimensions (mm)

Capacity (Liters)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Standard Power (KW)
Z450VFM	100	70	900	800	1680	75	9.0
Z500VFM	100	70	900	800	1700	75	9.0
Z750VFM	100	70	1435	800	2400	75	12.0
Z1000VFM	100	80	1435	900	2350	75	18.0
Z1500VFM	100	90	740	1400	1660	100	24.0
Z2000VFM	100	90	910	1400	1890	100	24.0
Z2500VFM	100	90	1450	1400	2610	100	27.0
Z3000VFM	100	90	1800	1400	3070	100	36.0
Z4000VFM	100	90	1450	1700	2760	100	48.0
Z5000VFM	100	90	1800	1700	3220	100	48.0
Z7500VFM	100	90	1800	2050	3370	100	72.0
Z7500VFM	100	90	1800	2050	3370	100	72.0
ZT400VF	100	70	900	800	1500	75	9.0



*** Initial Heating Time is calculated with $\Delta T = 45^{\circ}C$**

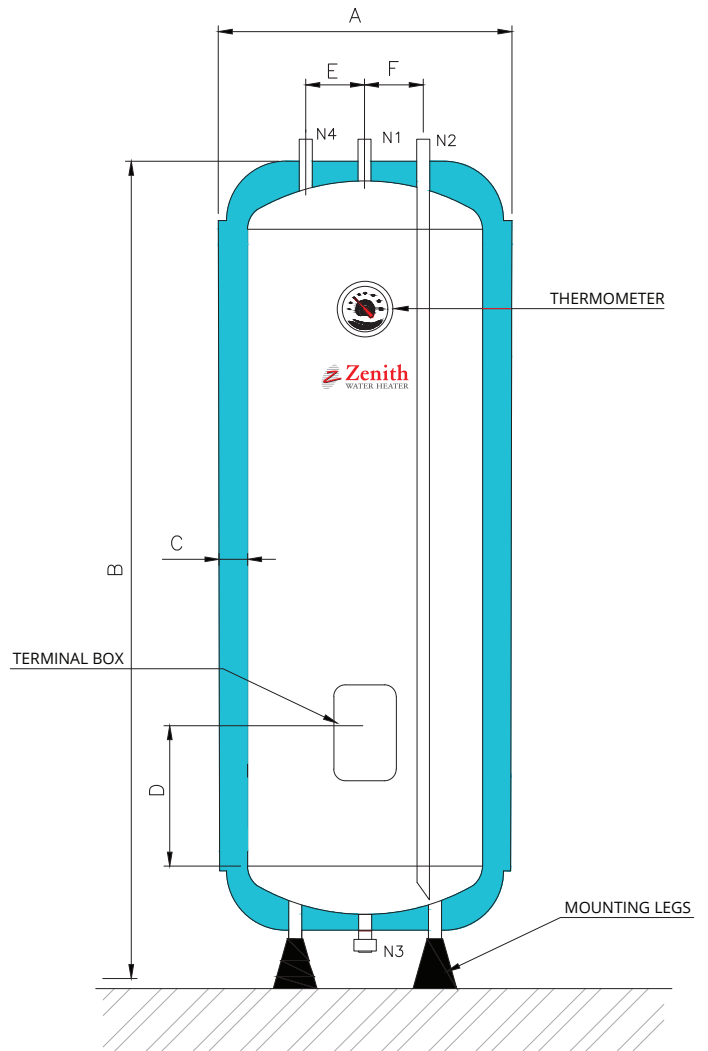
- # Rated power can be customized to match the specifications.
- # Sized above 260 Gallons could be customized to fit the space available.
- # Any other additional feature and/or plumbing connections could be provided to meet requirements.
- # Tolerance of the height: $\pm 0.5\%$

Please refer to the "Power option" page for the additional requirements.

Central Water Heaters & Calorifiers

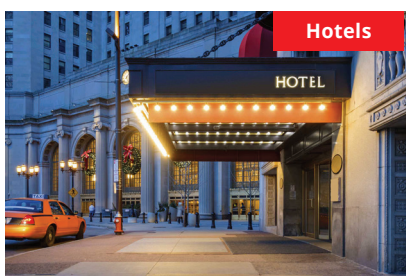
150 - 300 Liters

(Floor Mount Units)



Technical Information

Overall Tank Dimensions (mm)							
Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Standard Power (KW)
ZT150VFM	440	1470	20	95	110	110	2.5
ZT200VF	540	1450	30	95	120	120	3.0
ZT300VF	620	1470	30	95	150	150	3.0



Hotels



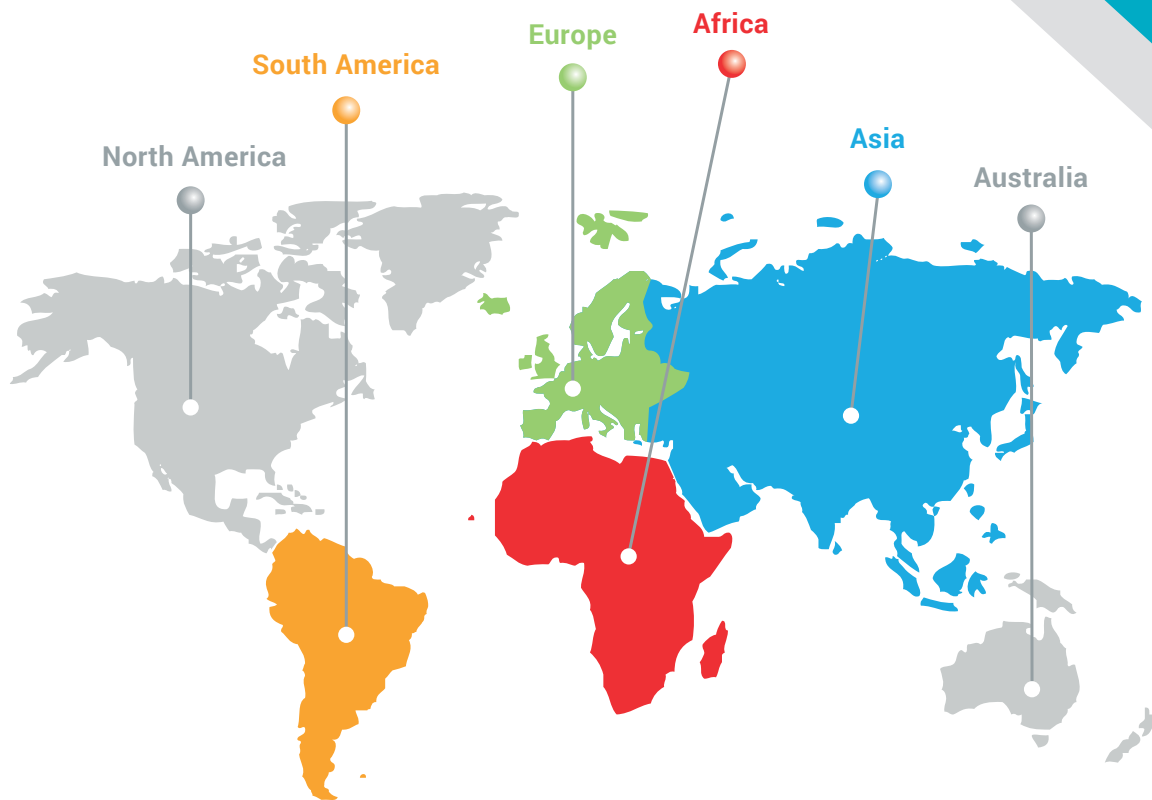
Hospitals



Schools



Export Map



GET IN TOUCH

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