



Zenith

WATER HEATER

*Performance Guaranteed
Since 1995*



Company Profile



Design for performance

Design of all Heatex products is based on principles of;

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



Made to perfection

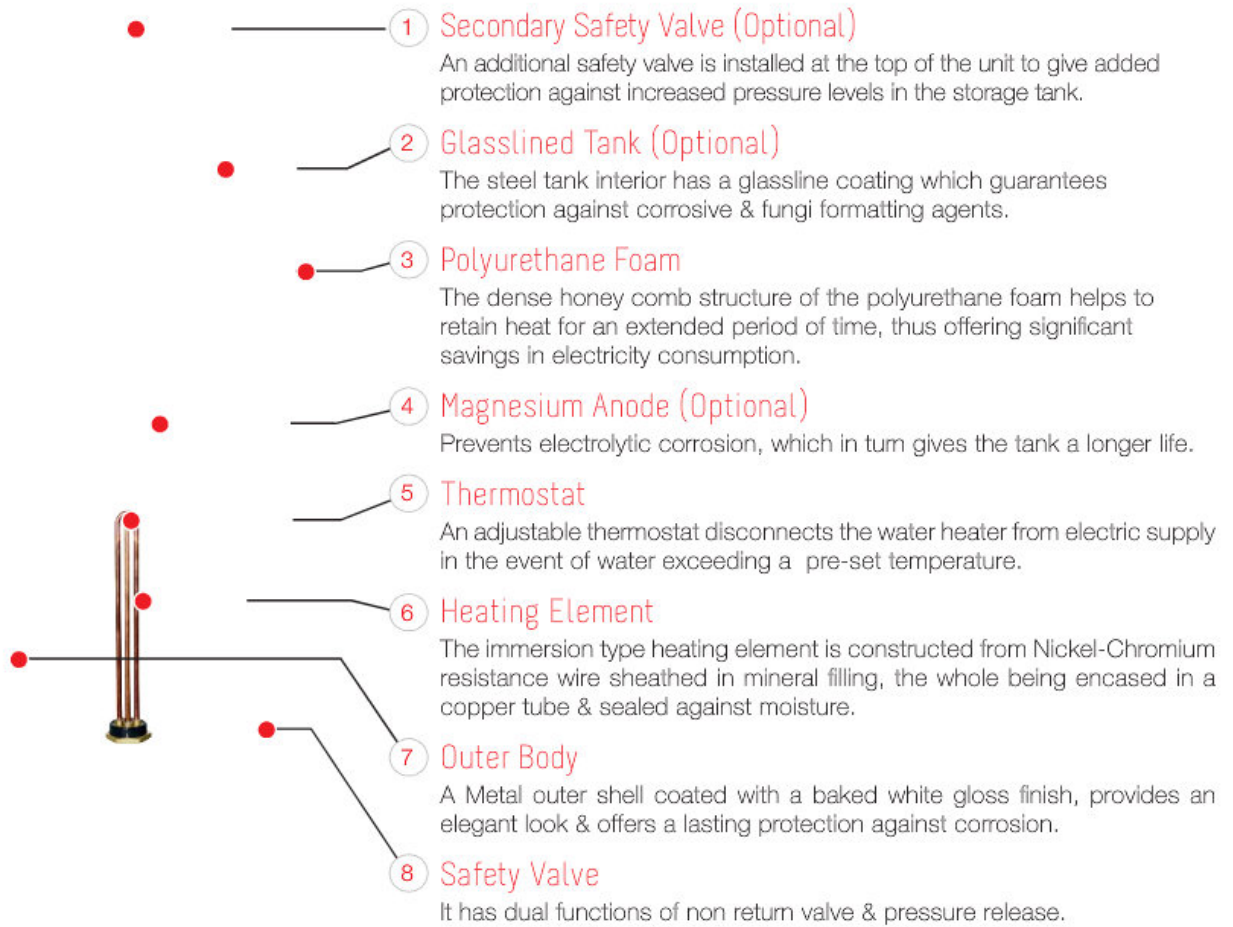
Production processes are established using state of the art equipment to achieve precision and accuracy. This ensures quality built into every unit produced








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.

Inside View



CHOOSE YOUR MODEL DEPENDING ON YOUR HOT WATER NEEDS

Users					
Water withdrawals in rapid successions	1	2	3	4-5	>5
Appliance Capacity	30	50	80-100	120-150	200



Classic

Vertical Wall Mount



Z15-V

Z30-V

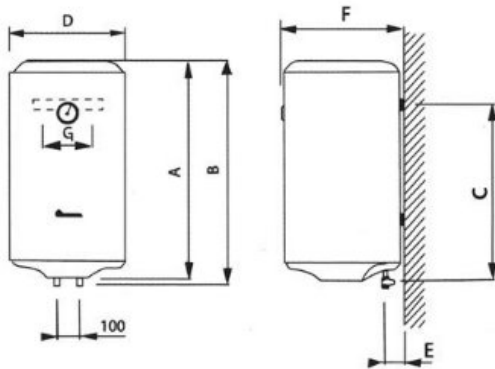
Z50-V

Z80-V

Z100-V

Technical Information

Capacity (Liters)	Hight (mm)	Diameter (mm)	Voltage (Volt)	Power (KW)	Maximum Working Temp (C°)	Maximum Working Pressure (PSI)
15	410	320	220-240	1.2	70	150
30	495	390	220-240	1.2	70	150
50	560	440	220-240	1.2	70	150
80	740	440	220-240	1.2	70	150
100	860	440	220-240	1.5	70	150



Capacity (Gallons)	Dimensions (mm)						
	A	B	C	D	E	F	G
15	390	410	270	320	150	355	270
30	475	495	345	390	150	425	270
50	540	560	385	440	150	475	270
80	720	740	605	440	150	475	270
100	840	860	685	440	150	475	270

Classic

Horizontal Wall Mount



Z30-V



Z80-V



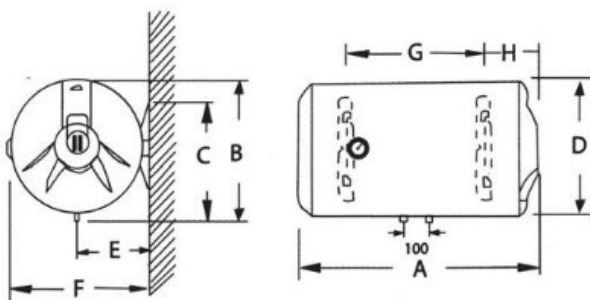
Z50-V



Z100-V

Technical Information

Capacity (Liters)	Height (mm)	Diameter (mm)	Voltage (Volt)	Power (KW)	Maximum Working Temp (C°)	Maximum Working Pressure (PSI)
30	495	390	220-240	1.2	70	150
50	560	440	220-240	1.2	70	150
80	740	440	220-240	1.2	70	150
100	860	440	220-240	1.5	70	150



Capacity (Gallons)	Dimensions (mm)							
	A	B	C	D	E	F	G	H
30	475	410	265	390	215	425	270	220
50	540	460	405	440	240	475	270	170
80	720	460	405	440	240	475	290	225
100	840	460	405	440	240	475	290	260

Classic

Horizontal Wall Mount

Z120-V



Z150-V

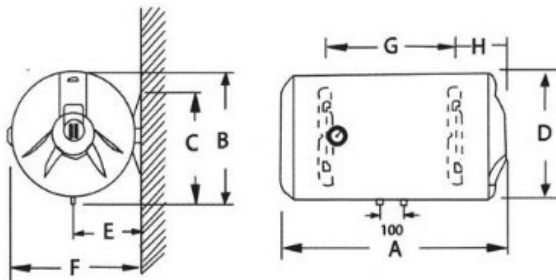


Z200-V



Technical Information

Capacity (Liters)	Hight (mm)	Diameter (mm)	Voltage (Volt)	Power (KW)	Maximum Working Temp (C°)	Maximum Working Pressure (PSI)
120	1040	440	220-240	1.5	70	150
150	1300	440	220-240	2.5	70	150
200	1590	440	220-240	3.0	70	150



Capacity (Gallons)	Dimensions (mm)							
	A	B	C	D	E	F	G	H
120	1040	460	415	440	255	475	600	255
150	1300	460	415	440	255	475	855	265
200	1590	460	415	440	255	475	1150	245

Prismo

30/15 Liters Color Options



Technical Information

Capacity (Liters)	Hight / Lenght (mm)	Diameter (mm)	Voltage (Volt)	Power (KW)	Maximum Working Temp (C°)	Maximum Working Pressure (PSI)
15	330 x 325	370	220-240	1.2	70	150
30	445 x 440	450	220-240	1.2	70	150

Central Water Heater & Clarifiers

250 - 500 Liters

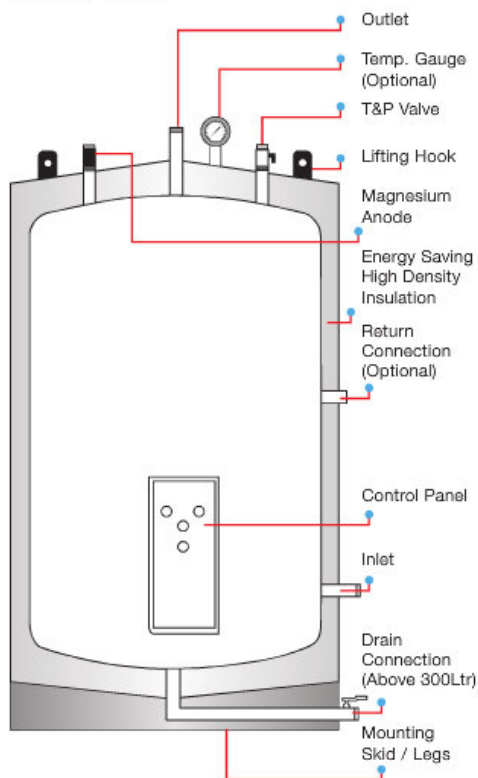
Floor Mount Units

Technical Specifications

Total Capacity		Dimensions		Standard power (kw)	Volt Options		Inlet/Outlet (BSPT)	Rated Pressure (PSI)	Initial Heating Time* (hrs)
Liters	Liters	Liters	Liters		220 - 240V 1PH	380 - 440V 3PH			
250	66	1270	640	5	✓	-	3/4"	150	2.63
300	80	1400	640	6	✓	✓	3/4"	150	2.63
400	106	1170	855	6	✓	✓	1"	150	3.50
450	120	1275	855	9	✓	✓	1"	150	2.63
500	130	1380	855	9	✓	✓	1 1/2"	150	2.92



Inside View



Power Options

KW Input	No. of Elements	Full Load Current		Heat Recovery at 45°C	
		220 - 240V 1 PH	380 - 440V 3 PH	(Gallon / Hour)	(Liter / Hour)
1.5	1	6.3	-	8	29
2.0	1	8.3	-	10	38
2.5	1	10.4	-	13	48
3.0	1	12.5	-	15	58
4.0	1	16.7	-	20	77
4.5	1	-	5.9	23	86
5.0	2	20.8	-	25	96
6.0	1 or 2	25.0	7.8	30	115
9.0	1, 2 or 3	37.5	11.7	45	171
12.0	2	-	15.7	60	229
18.0	2 or 3	-	23.5	91	343
24.0	4 or 6	-	31.4	121	457
27.0	3	-	35.3	136	514
36.0	4	-	47.0	181	686
45.0	5	-	58.8	226	857
54.0	6	-	70.5	272	1029
60.0	7	-	78.4	302	1143
72.0	8	-	94.0	362	1371
90.0	10	-	117.6	453	1714

Central Water Heater & Clarifiers

750 - 10,000 Liters

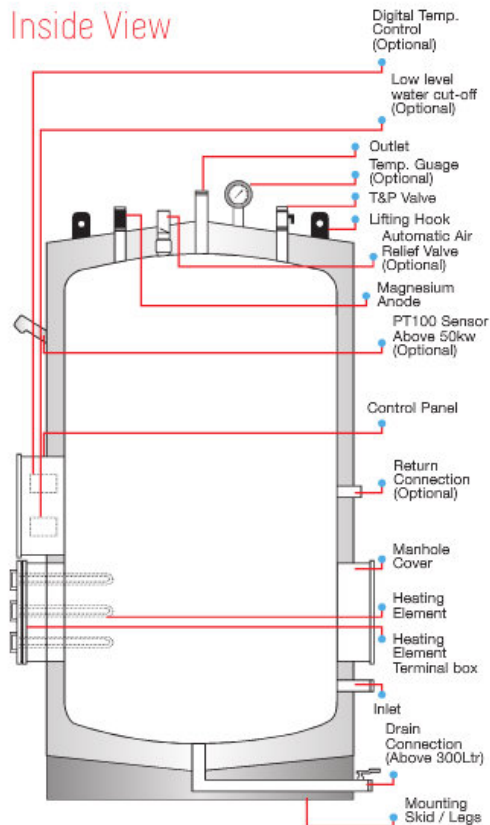
Floor Mount Units

Technical Specifications

Total Capacity		Dimensions		Standard power (kw)	Volt Options		Inlet/Outlet (BSPT)	Rated Pressure (PSI)	Initial Heating Time* (hrs)
Liters	Liters	Liters	Liters		220 - 240V 1PH	380 - 440V 3PH			
750	200	1300	1080	12	-	✓	1 1/2"	150	3.28
1000	280	1600	1080	18	-	✓	2"	150	2.92
1500	400	2260	1080	24	-	✓	2"	150	3.28
2000	500	2100	1350	27	-	✓	2"	150	3.90
2500	650	2540	1350	30	-	✓	50 NB Flange	150	4.38
3000	800	2980	1350	36	-	✓	50 NB Flange	150	4.38
4000	1050	3120	1550	45	-	✓	50 NB Flange	150	4.67
5000	1300	3170	1700	54	-	✓	50 NB Flange	150	4.86
6000	1600	3140	1850	63	-	✓	100 NB Flange	150	5.00
7500	2000	3170	2050	72	-	✓	100 NB Flange	150	5.10
10000	2800	3240	2300	81	-	✓	100 NB Flange	150	6.50



Inside View



Power Options

KW Input	No. of Elements	Full Load Current		Heat Recovery at 45°C	
		220 - 240V 1 PH	380 - 440V 3 PH	(Gallon / Hour)	(Liter / Hour)
99	11 x 9 Kw	-	129.3	498	1886
108	12 x 9 Kw	-	141.0	544	2057
117	13 x 9 Kw	-	152.8	589	2229
126	14 x 9 Kw	-	164.6	634	2400
135	15 x 9 Kw	-	176.3	680	2572
144	16 x 9 Kw	-	188.0	725	2743
153	17 x 9 Kw	-	199.8	770	2915
162	18 x 9 Kw	-	211.6	815	3086
171	19 x 9 Kw	-	223.4	861	3257
180	20 x 9 Kw	-	235.1	906	3429
189	21 x 9 Kw	-	246.9	951	3601
198	22 x 9 Kw	-	258.6	997	3772
207	23 x 9 Kw	-	270.4	1042	3943
216	24 x 9 Kw	-	282.1	1087	4115
225	25 x 9 Kw	-	293.9	1133	4286
234	26 x 9 Kw	-	305.6	1178	4458
243	27 x 9 Kw	-	317.4	1223	4630
252	28 x 9 Kw	-	329.2	1268	4801
261	29 x 9 Kw	-	340.9	1314	4973
270	30 x 9 Kw	-	352.7	1359	5144

Solar Series

Thermosyphonic Water Heater

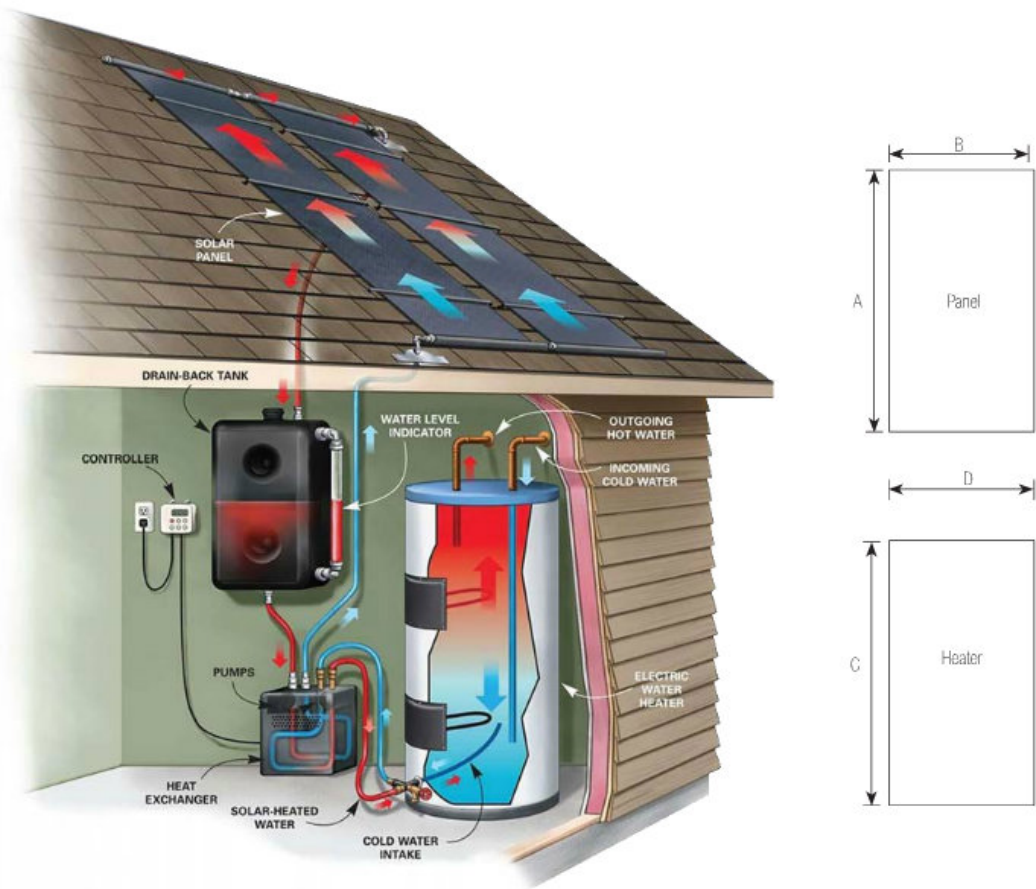


Technical Information

Model	Heater				Panels					
	KW	A	B	No. of Persons	Area	No. of Panels	C	D	No. of Raisers	Total Absorbancy
ZS 120	3	1020	440	2	2m ²	1	1980	1010	12	95%
ZS 150	3	1320	440	3	2m ²	1	1980	1010	12	95%
ZS 200	3	1600	440	4	4m ²	2	1980	1010	12	95%
ZS 300	6	1400	640	5	4m ²	2	1980	1010	12	95%
ZS 400	6	1050	855	6	6m ²	3	1980	1010	12	95%
ZS 450	6	1100	855	8	6m ²	3	1980	1010	12	95%
ZS 500	6	1225	855	10	6m ²	3	1980	1010	12	95%

Solar Series

Forced Circulation Water Heater



Technical Information

Model	Heater			Panels				
	KW	A	B	No. of Panels	C	D	No. of Raisers	Total Absorbancy
ZS 600	6	1590	855	4	1980	1010	12	95%
ZS 750	6	1300	1080	6	1980	1010	12	95%
ZS 1000	9	1600	1080	6	1980	1010	12	95%
ZS 1500	9	2260	1080	12	1980	1010	12	95%
ZS 2000	18	2100	1350	14	1980	1010	12	95%
ZS 2500	18	2540	1350	16	1980	1010	12	95%
ZS 3000	24	2980	1350	20	1980	1010	12	95%
ZS 4000	24	3120	1550	28	1980	1010	12	95%
ZS 6000	30	3170	1700	34	1980	1010	12	95%
ZS 6000	30	3140	1850	40	1980	1010	12	95%
ZS 7500	36	3170	2050	50	1980	1010	12	95%
ZS 10000	36	3240	2300	66	1980	1010	12	95%

Spare Parts & Accessories

Domestic Water Heater



Temperature Gauge

A dial type thermometer is used to display temperature of water, an aluminium cap houses a temperature sensitive coil spring, which in turn is connected to the pointer. The maintains contact with the tank surface.



Safety Valve

The safety valve serves two functions:

- **Pressure Relief:** Its factory preset to open in case the working pressure increases above the set pressure.
- **Non Return:** It prevents the flow of water from the tank to the supply line, in case of pressure drop, there by preventing vacuum in the storage tank. This also saves the heating element from dry burn out. It is recommended to replace safety valve every two years.



Secondary Safety Valve (Optional)

An additional safety valve is installed at the top of the unit to give added protection against increased pressure levels in the storage tank. It is recommended to change this valve every two years or earlier based on condition of the water.



Magnesium Anode (Optional)

Magnesium anodes help to protect galvanized cylinders whilst the initial deposit of scale forms on the shell. The life of the magnesium anode depends on the quality of the water & regular checks should be made to establish a service period for timely replacement.



Thermostat

The thermostat is stem type with adjustable temperature range. It is factory preset at 65°C. This device also houses an upper limit thermal cut off, which is activated in case of malfunction of temperature regulation. Refer to maintenance manual for replacement as and when necessary.



Heating Element

The heating element is 1 1/4" BSP threaded, direct immersion type. It is constructed of nickel chromium wire in mineral filling the whole encased in copper sheathing. Regular and prolonged use of heating element can lead to build up of scaling based on condition of water. It is recommended to clean or replace it every two years.

Spare Parts & Accessories

Central WaterHeater & Calorifiers



Pressure & Temperature Relief Valve

Unvented calorifiers must be fitted with a pressure & temperature relief valve to protect the system from excess temperature. The pressure and temperature elements of the valve operate independently providing dual safety protection in one valve. Temperature protection is provided by a wax capsule thermostat. The valve discharge must be unrestricted and piped to a safe area.



Magnesium Anode

Sacrificial anodes can be supplied to counteract certain adverse water properties. Magnesium anodes help to protect galvanised cylinders whilst the initial deposit of scale forms on the shell. The combination of copper pipework and galvanised cylinders should be avoided. The life of the magnesium anode depends on the quality of the water and regular checks should be made to establish a service period.

Aluminium anodes can be fitted to copper cylinders to give lasting protection. This is only necessary for fresh water supplies which are known to prevent the formation of the natural protective oxide film. Aluminium anodes do not require replacement and are maintenance free.



Expansion Relief Valve (Optional)

On an unvented system a 20mm expansion relief valve must be fitted to the incoming cold water supply. Isolation valves must not be fitted between this valve and the calorifier. The expansion relief valve protects the system from overpressure due to failure of the expansion vessel, ie loss of vessel air charge and/or damaged bladder.



Pressure Reducing Valve (Optional)

Pressure reducing valves maintain a constant cold fill supply pressure to the calorifier. This protects it from the cyclic operation of the booster set and any overpressure as the booster pumps charge accumulator vessels.

Pressure reducing valves are supplied with Water Research Centre approval in bronze and cast iron. Pressure gauges can be supplied on the inlet and outlet flanges for visual verification of pressure drop.



High Limit Cut Off

Direct electrically heated calorifiers must be fitted with an independent high limit cut out device.

All other systems require an independent high limit thermostat directly connected to the control device or to an independent shut off device.



Non Return Valve (Optional)

It is fitted on the inlet connection and allows only unidirectional flow of water into the storage tank, thereby preventing emptying of the tank in case of pressure drop on the line.

Spare Parts & Accessories

Central WaterHeater & Calorifiers



Automatic Air Vent Valve

It is mounted on top of the tank and allows free passage of air through it in order for the tank to be completely filled with water at the time of installation. As this function can also be achieved through T&P valve or purging of air from the outlet, this connection is left as an option.



Low Water Level Switch

We strongly recommend the fitting of a low water cut out device on all electrically heated calorifiers. This prevents the risk of switching the immersion heater on when the calorifier is empty.



Temperature & Pressure Gauges (Optional)

A connection to mount the temperature & pressure gauge is provided on top of the unit. Generally, the temperature and pressure gauges are installed in the hot water connection delivery line at the site. Hence, this connection on the Calorifier itself is left as an option.



Inlet & Outlet Isolating Valves (Optional)

Valves are provided separately on inlet & outlet connections, so as to isolate the calorifier from the whole plumbing system as and when required.



Thermowell (Optional)

Thermowells are tubular fittings used to protect temperature sensors installed in industrial processes. A thermowell consists of a tube closed at one end and mounted in the process stream. A temperature sensor such as a thermometer, thermocouple or resistance temperature detector is inserted in the open end of the tube, which is usually in the open air outside the process piping or vessel and any thermal insulation. The process fluid transfers heat to the thermowell wall, which in turn transfer heat to the sensor. If the sensor fails, it can be easily replaced without draining the vessel or piping.



Lifting Hook

Two eye shaped hooks with threaded ends are screwed on the corresponding sockets which are welded on the top dome of the storage tank. Effective use of both hooks with appropriate chain links facilitates safe movement of the units.



Control Panel

The power from the main is supplied to the control panel mounted on top of the terminal box. It contains the power circuit and the control circuit for the heating element and thermostats, including all electrical safety devices.

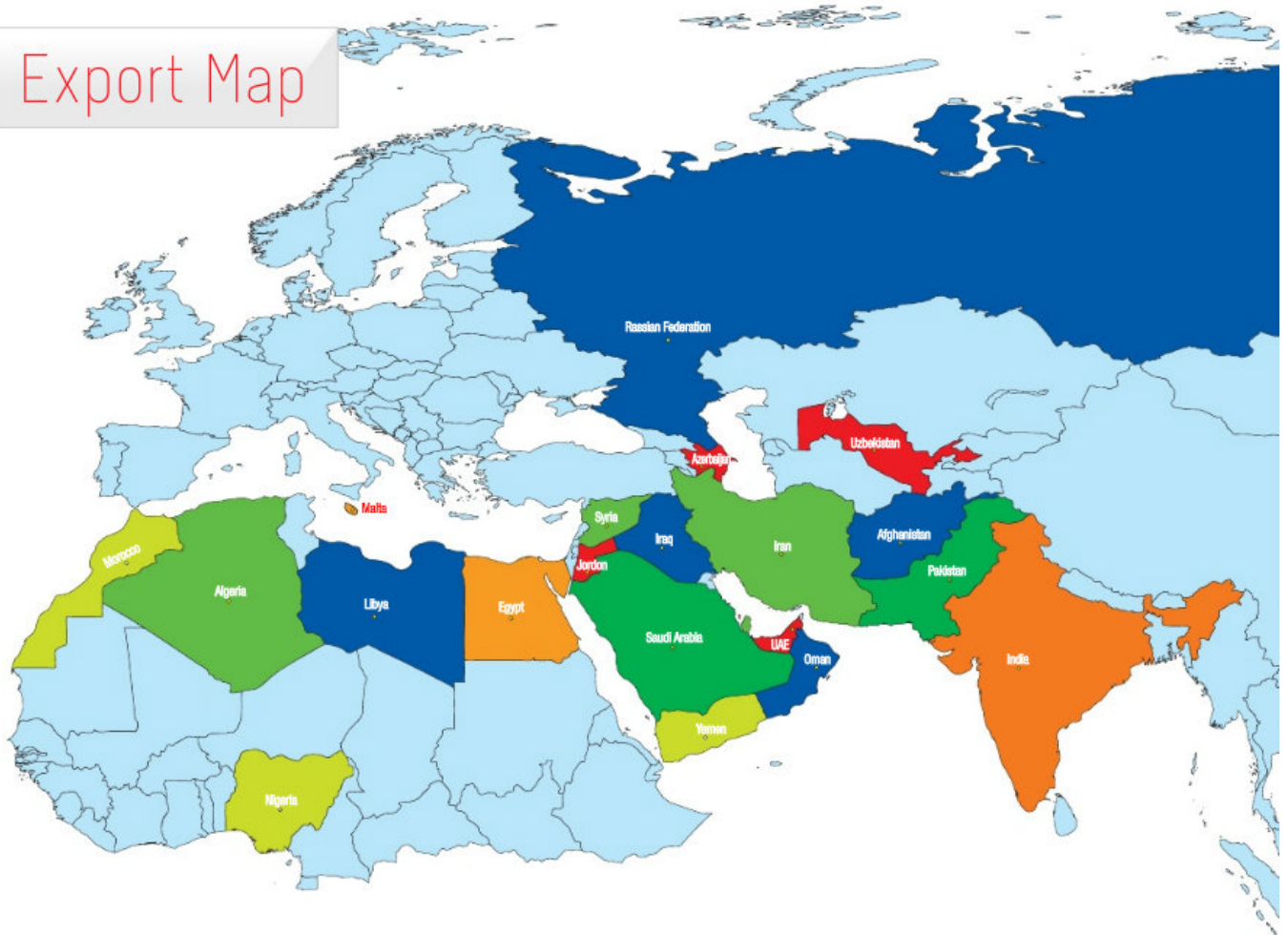
Packaging Information

Packaging & Shipping Information

CAPACITY (GALLONS)	UNIT VOLUME (CU/M)	GROSS WEIGHT (KG)	NET WEIGHT (KG)	UNITS IN 40 FEET CONTAINER	UNITS IN 50 FEET TRAILER
8	0.0929	10	7	700	850
12	0.1263	19	16	560	680
16	0.1737	24	21	420	510
20	0.1935	30	27	336	510
30	0.2199	40	37	300	384
40	0.2791	50	47	250	320
50	0.3553	58	55	175	224



Export Map



OMAN



IRAQ



IRAN



SAUDI ARABIA



BAHRAIN



SYRIA



KUWAIT



YEMEN



INDIA



PAKISTAN



EGYPT



ALGERIA



NIGERIA



MOROCCO



AFGHANISTAN



MALTA



AZERBAIJAN



UZBEKISTAN

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