

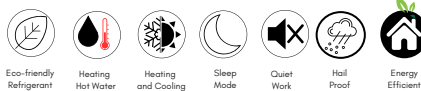
VERA

SOLAR WATER HEATER & ELECTRIC WATER PUMPS PRODUCT CATALOGUE

A BRAND AND ITS PROMISE TO PERFORM.



"Flowing Forward: Harnessing Nature's Power for Sustainable Solutions"



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OUR GOAL: QUALITY DOWN TO THE SMALLEST DETAIL



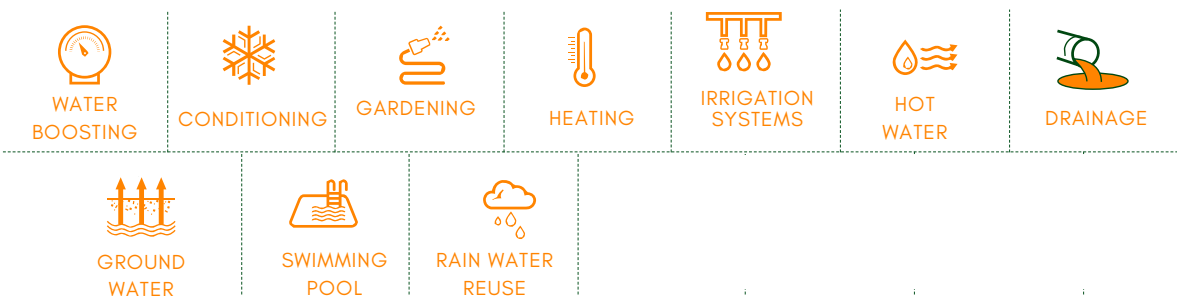
At Vera, customer satisfaction, safety, and reliability are our top priorities in quality assurance. In addition to meeting international quality standards, all solar water heaters and electric pumps must adhere to elevated internal quality benchmarks. We are deeply passionate about our work, which is why we consistently go above and beyond to craft genuinely



CREATING THE EXTRAORDINARY WITH PASSION.

extraordinary products for our customers. This passion has been the key to our success over the past 30 years, driving our pumps, valves, and services to continually establish new standards worldwide.

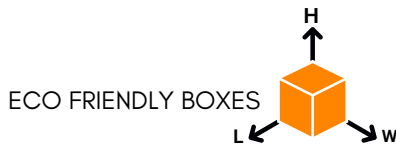
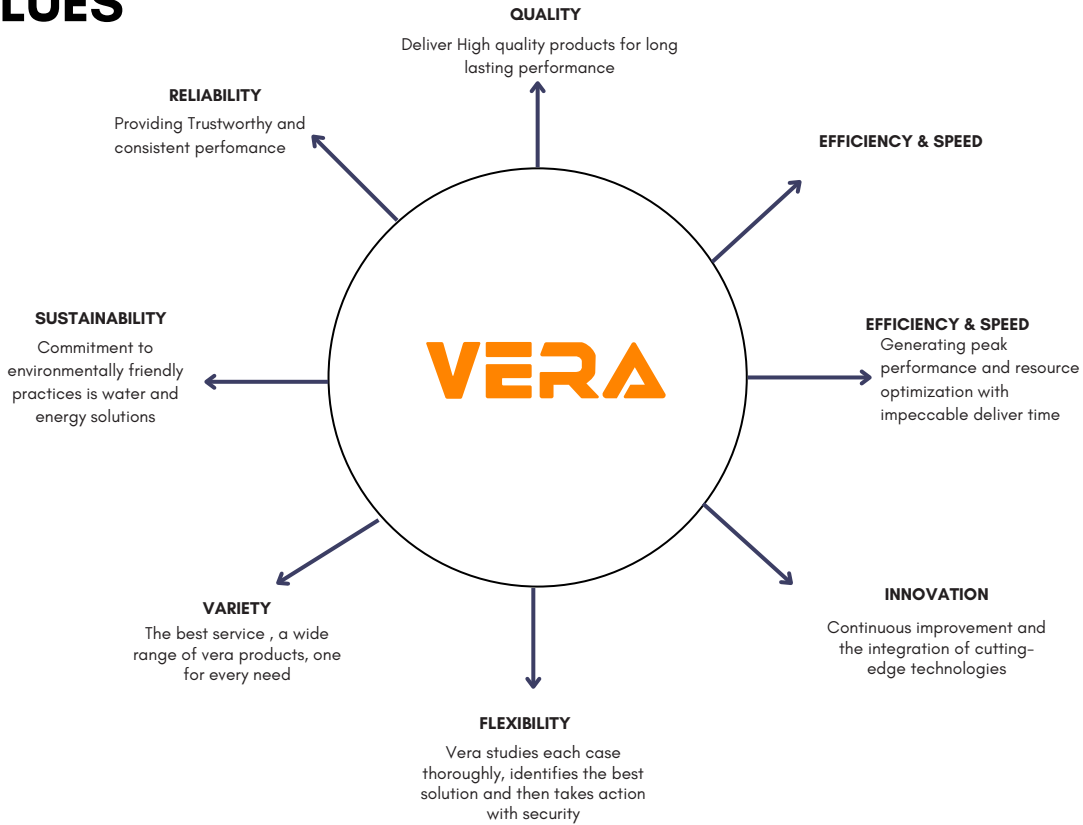
TYPES OF APPLICATIONS:



PREMIER SUPPLIER OF WATER EQUIPMENT

Vera is a value-centric brand offering top-notch products from leading global brands. Our success stems from a commitment to continuous improvement, robust new product development, high performance, competence, ethical business practices, and market leadership. JUNAID - VERA employees share core values such as accountability, deep respect for people and the environment, and a straightforward work style. Building strong customer relationships and delivering quality products are pivotal in achieving Vera Water's vision of becoming the foremost provider of water equipment.

VALUES



**COMPACT, SILENT,
EFFICIENT, RELIABLE**



COMPACT SILENT EFFICIENT RELIABLE

Domestic Application:

Ideal for domestic and commercial buildings to ensure a continuous water supply.

Agricultural Irrigation:

Well-suited for irrigating fields and crops, providing efficient water distribution.

Firefighting Operations:

Essential for firefighting efforts due to its self-priming capability and quick response.

Construction Sites:

Efficient in handling water transfer and drainage on construction sites.

Marine Applications:

Useful for bilge pumping and water circulation on boats and marine vessels.

Industrial Processes:

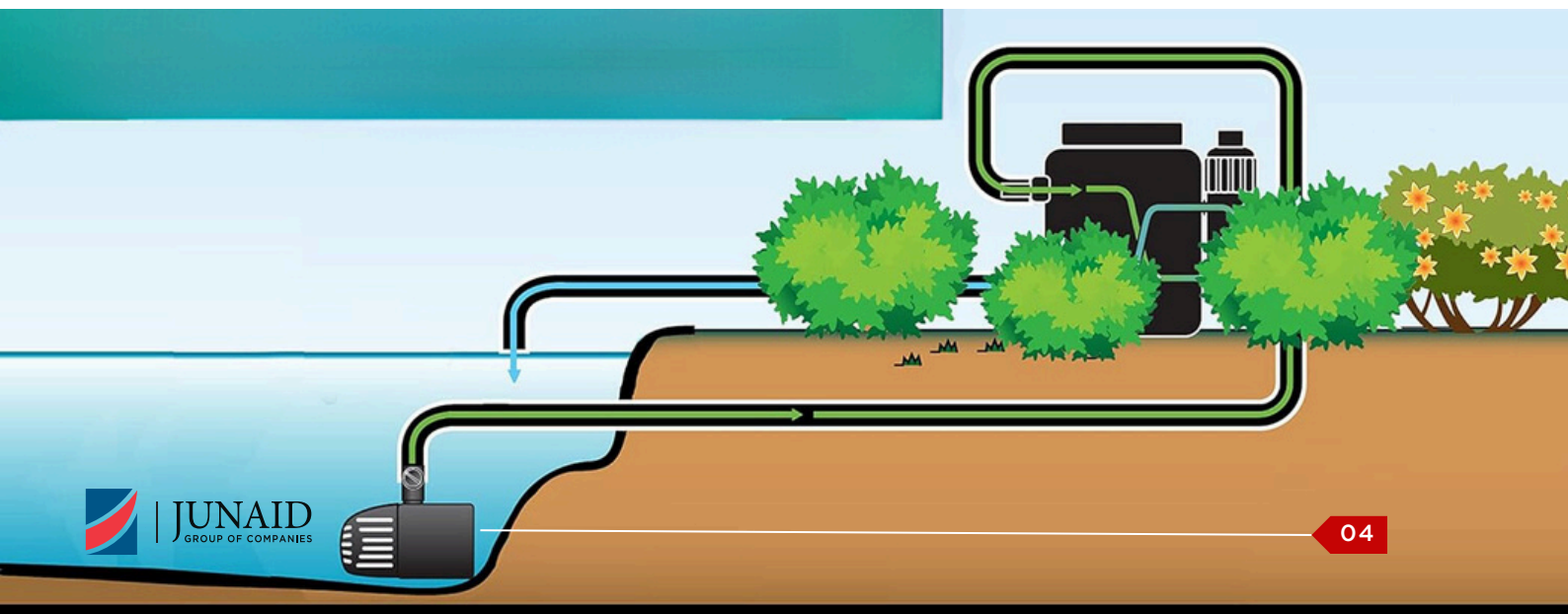
Reliable for various industrial applications requiring self-priming capabilities.

Wastewater Management:

Effective in pumping and transferring wastewater in sewage systems.

Mining Operations:

Suitable for dewatering and managing water in mining sites.



PRODUCT: Self - Priming multistage pump



MODEL: VHMC60 SINGLE PHASE

- Clean water
- Domestic use
- Civil use

Application

- For pumping clean liquids without abrasive particles, which are chemically non aggressive to the pump materials
- For domestic and industrial application
- For irrigation and hydro pneumatic sets The pump should be installed in an enclosed environment or sheltered from inclement weather



MODEL: V-HMC60-3SH

ELECTRIC MOTOR

- Two-pole induction motor, 50Hz (n = 2850rpm)
- Single phase 220V-240V, maximum 2.2kW
- Three phase 380V-415V
- Thermal protector for single Phase
- Insulation class B
- Protection IP44

PERFORMANCE RANGE

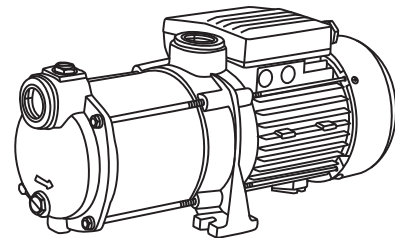
- Flow rate up to 170l/min
- Head up to 100m

OPERATING CONDITIONS

- Max Liquid temperature up to +60°C
- Ambient temperature up to +40°C
- Total suction lift up to 8m
- Max. Working pressure 16bar
- Continuous duty

COMPONENT MATERIALS

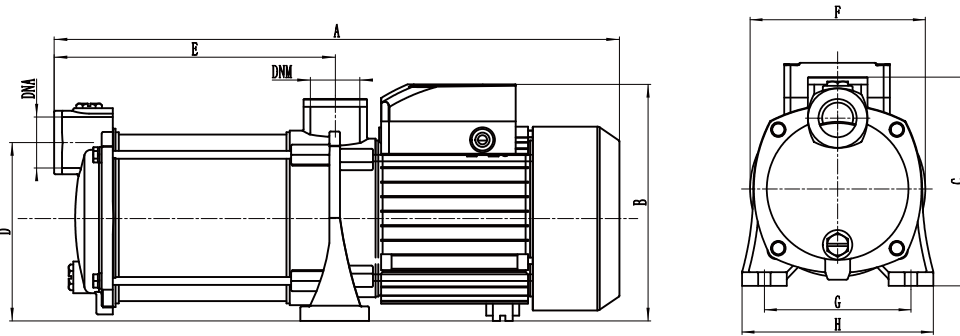
Pump case	Stainless steel AISI 304
Suction and discharge mounting	Cast iron
Impeller	PPO
Diffuser	PPO
Motor case	Aluminum
Shaft	Stainless steel AISI 304
Mechanical seal	Carbon-Ceramic-NBR



MODEL	KW	HP	MAX FLOW	MAX. HEAD	MAX SUCTION	INLET/OUTLET
V-HMC60-3SH	0.50	0.65	90	34	8	1" x 1"
V-HMC60-4SH	0.70	0.95	95	45	8	1" x 1"

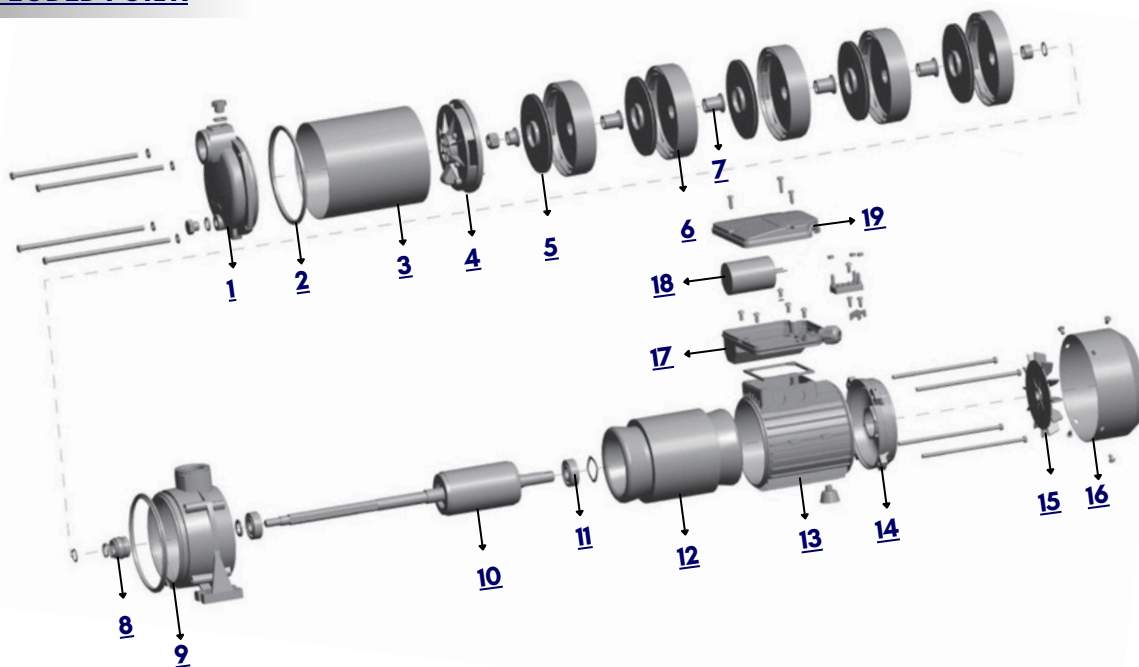
OVERALL DIMENSIONS & WEIGHTS

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MODEL	Dimension(mm)									
	A	B	C	D	E	F	G	H	DNA	DNM
V-HMC60-3SH	400	180	170	135	190	140	118	155	1"	1"
V-HMC60-4SH	425	150	136	65	215	120	95	112	1"	1"

EXPLODED FORM



No.	Part	Material	No.	Part	Material
1	Pump Body	HT200	11	Ball Bearing	
2	"O" ring		12	Wound stator	
3	Pump Casing		13	Motor Case	Aluminum
4	Self-suction valve		14	Motor Cover	Cast Iron
5	Impeller	Stainless steel	15	Fan	PP
6	Diffuser		16	Fan Cover	
7	What sleeve		17	Capacitor Holding Box	
8	Mechanical seal	Carbon Ceramic	18	Capacitor	
9	Support	HT200	19	Terminal Cover	
10	Shaft and Rotor				



PRODUCT: CENTRIFUGAL PUMP



MODEL: VH

SINGLE PHASE

DESCRIPTION

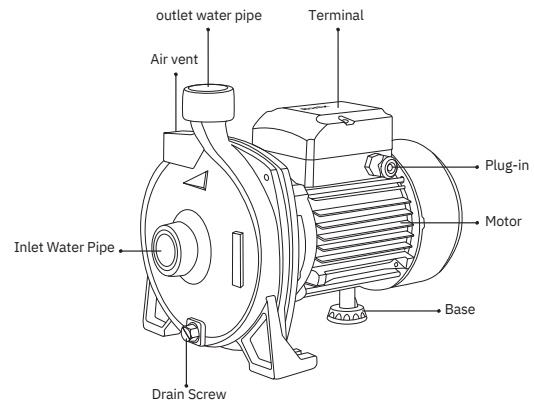
Wire : 100% Copper
 Impeller : Brass
 Shaft : 45# carbon steel
 Stator : 110*70mm
 Screw : Copper coated iron with thermal protector 30cm leading cable

- Clean water
- Domestic use
- Civil use



APPLICATIONS

- Transfer clean water or other liquids similar to water in physical and chemical properties.
- Widely used in garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage, various corollary equipment, etc



SPECIFICATION

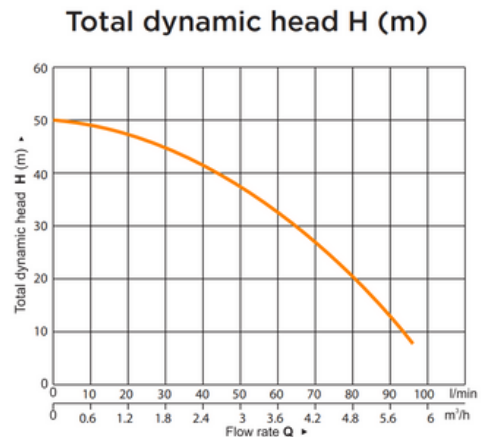
MODEL	KW	HP	MAX FLOW	MAX. HEAD	MAX SUCTION	INLET/OUTLET
V-M-1.0HP	0.75	1	120	33	8	1" x 1"
V-M-1.5HP	1.1KW	1.5	130	38	8	1" x 1"
V-M-2HP	1.5KW	2HP	150	42	9	1" x 1"
V-M-3HP	2.2KW	3HP	160	46	9	1" x 1"

TECHNICAL PARAMETER

Inlet/Outlet	Max. Flow	Max.Head	Max.Suction
1.25"x1"	m ² /h	m	m
	9.6	27	8

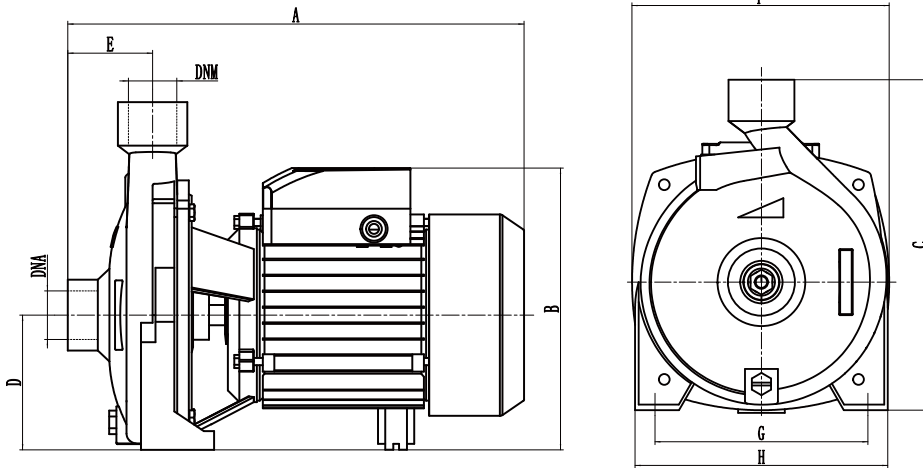
OPERATING CONDITIONS

- Suction lift up to 8m
- Fluid temperature up to 40°C
- Maximum ambient temperature 40°C

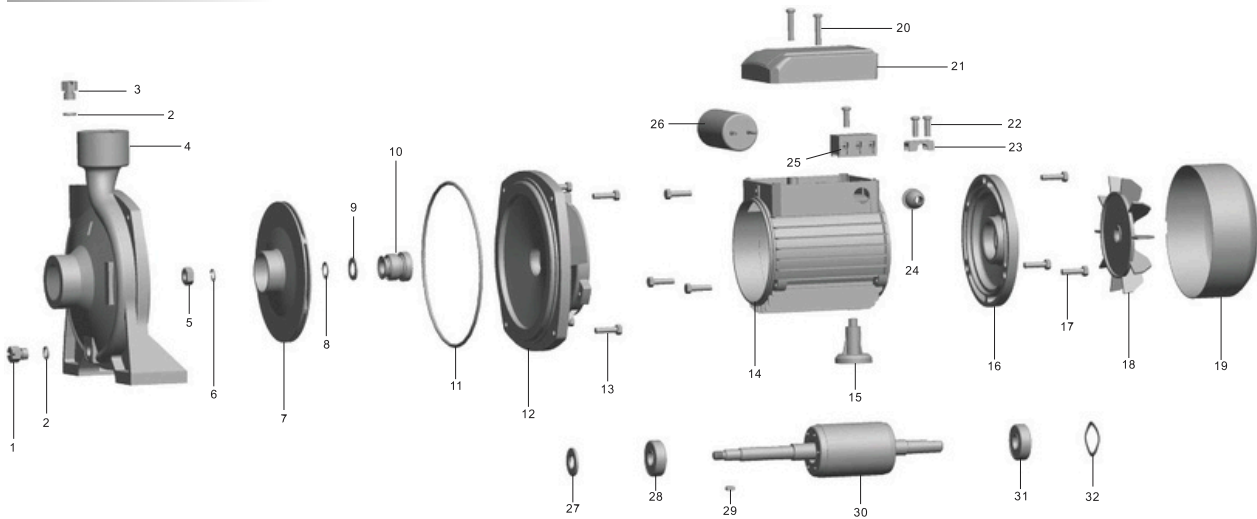


OVERALL DIMENSIONS & WEIGHTS

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EXPLODED FORM



No.	Part	No.	Part	No.	Part
1	Discharge plug	11	"O" ring	21	Terminal Cover
2	"O" ring	12	Pump support	22	Screw
3	Charge plug	13	Bolt	23	Cable Presser
4	Pump casing	14	Casing with wound stator	24	Fairlead
5	Nut	15	Stand	25	Terminal board
6	Spring Gasket	16	Driving	26	Capacitor
7	Impeller	17	Bolt	27	Drops guard
8	Snap ring	18	Fan	28	Bearing
9	Washer	19	Fan cover	29	Key
10	Mechanical seal	20	Bolt	30	Rotor
				31	Bearing
				32	Split ring

V-M-0.5HP

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-  Clean water
-  Domestic use

DESCRIPTION

Wire: 100% Copper
 Impeller: Brass
 Shaft: 45# Carbon steel
 Screw: Copper coated Iron
 Stator: 90*50mm
 With thermal protector
 30cm leading cable

SPECIFICATION

Single phase
 0.37KW/0.5HP
 Rated Flow: 2M³/H
 Max. Head: 35M
 Max. Suction: 8M
 Inlet x Outlet: 1" x 1"



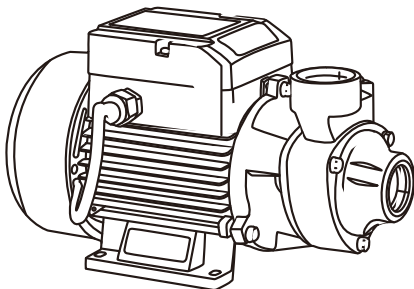
APPLICATIONS

Suitable for transfer clean water or other liquids similar to water in physical and chemical properties. Widely used in garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage, various corollary equipment, etc.

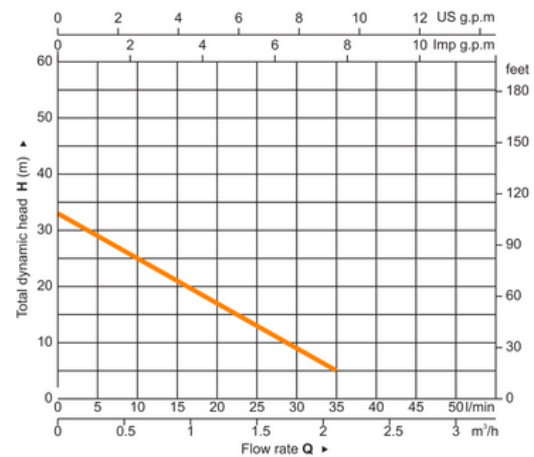
MODEL: V-M-0.5HP
PRODUCT: WATER PUMP

OPERATING CONDITIONS

Suction lift up to 8m
 Fluid temperature up to 40°C
 Maximum ambient temperature 40°C



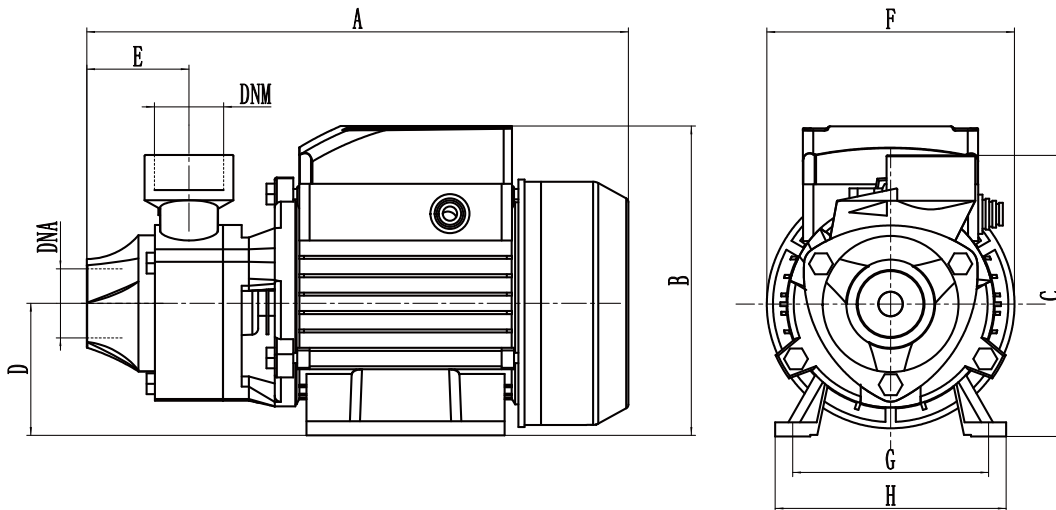
Total dynamic head H (m)



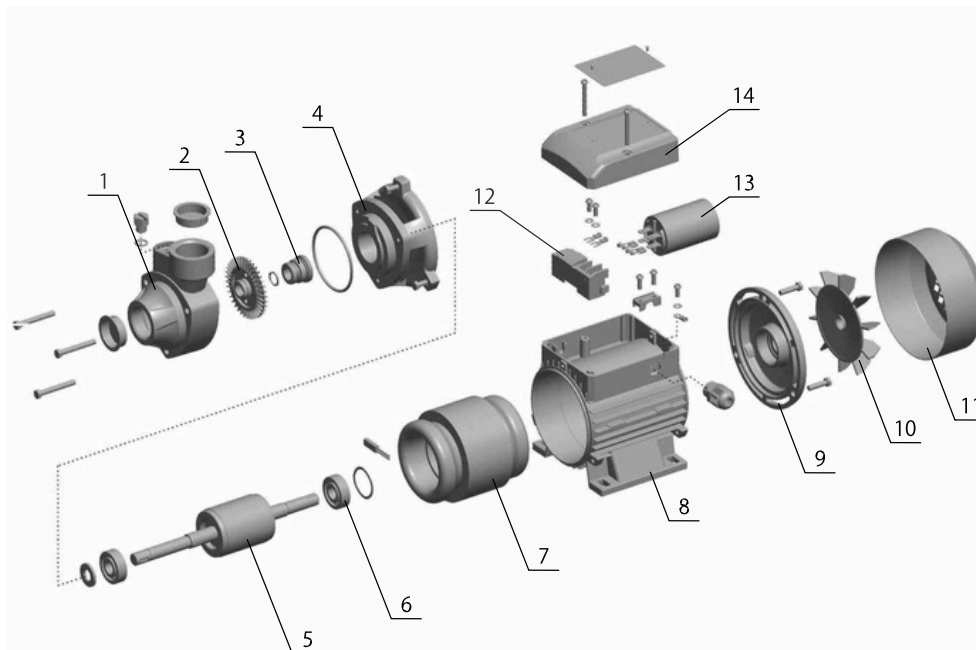
Technical Parameter

P ₂		DELIVERY												n≈3450 1/min
KW	HP	Q	m ³ /h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
			l/min	0	5	10	15	20	25	30	35	40	45	50
0.37	0.50	H(m)		33	29	25	21	17	13	9	5	-	-	-

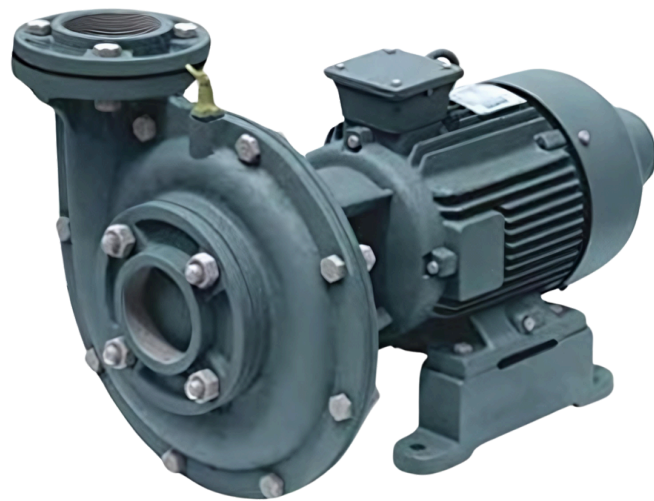




MODEL	Dimension(mm)									
	A	B	C	D	E	F	G	H	DNA	DNM
V-M-0.5HP	262	150	136	65	50	120	95	112	1"	1"



No.	Part	No.	Part
1	Pump body	8	"O" ring
2	Impeller	9	Pump support
3	Mechanical seal	10	Bolt
4	Support	11	Casing with wound stator
5	Shaft and Rotor	12	Stand
6	Bearing	13	Driving
7	Stator and winding	14	Bolt



VERA

DEEP SUBMERSIBLE PUMP



Sectors and Area of Application



Water movement

For the movement of clear water from wells in residential and domestic uses and to ensure the correct level of comfort



Pressurisation

For the pressurisation of water in residential, commercial, industrial and agricultural areas ensuring an efficient water supply



Irrigation

To make available the water necessary for crops



Washing

For the creation of washing systems used in industry



Water supply

For the supply of clear water in domestic, agricultural and industrial applications



Water treatment

For use in water treatment plants, such as reverse osmosis



Easy installation

Simplicity, flexibility, easy maintenance.

V-SSCM3~V-SSCM8 DEEPWELL PUMP

VERA

DESCRIPTION

Designed with precision and built to last, SSC 304SS Impeller Automatic Harmless Water Outlet Vortex Borehole Submersible Pump for Household Use is the epitome of quality and performance. Whether you require a submersible deep well pump for residential or commercial use, this product is sure to exceed your expectations.



MODEL: V-SSCM6

APPLICATIONS

Water supply from wells or reservoirs
Domestic use
Civil and industrial applications
Garden use and irrigation

OPERATING CONDITIONS

Maximum fluid temperature up to +40°C
Maximum sand content:0.15%
Minimum well diameter :φ130mm

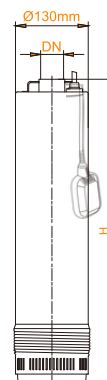
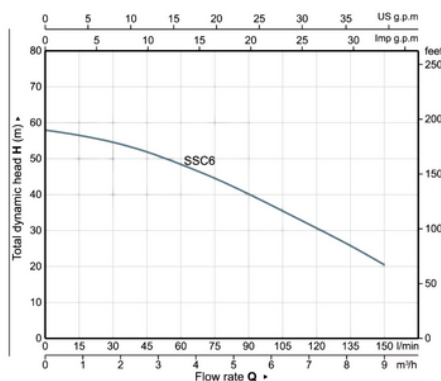
SPECIFICATION

Power: 1.1KW/1.5HP
Max. Flow: 9M3/H
Max. Head: 58M
Outlet: 1 1/4"
Min. well dia: 130mm

Wire -100% Copper
Impeller -SS304
Diffuser -SS304
Shaft -SS304 welded
Pump casing -SS304
Cable -40M*1.5mm² and standard for float switch
Capacitor inside

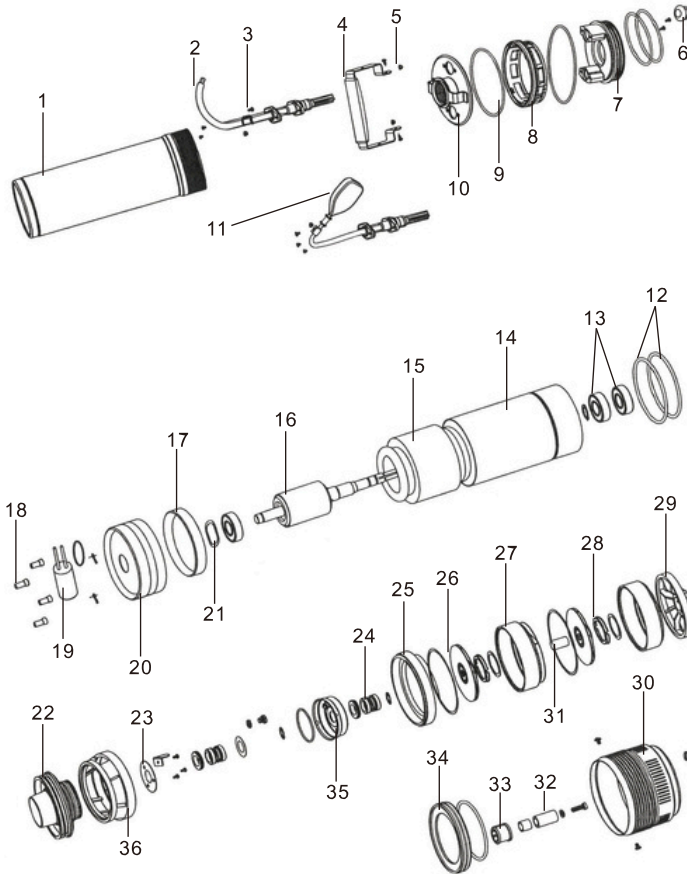
OVERALL DIMENSIONS AND WEIGHTS

MODEL		DN	Dimension(mm)		WEIGHT(Kg)	
1 ~ 220 - 240V	3 ~ 380 - 415V		H(S)	H(T)	G(S)	G(T)
V-SSCM3	V-SSC3	1 1/4"	529	529	13.3	12.8
V-SSCM4	V-SSC4	1 1/4"	571	571	15.5	15.0
V-SSCM5	V-SSC5	1 1/4"	616	616	18.0	17.5
V-SSCM6	V-SSC6	1 1/4"	655	655	20.0	19.5
V-SSCM7	V-SSC7	1 1/4"	698	698	22.0	21.6
V-SSCM8	V-SSC8	1 1/4"	740	740	24.8	24.5



V-SSCM3~V-SSCM8 DEEPWELL PUMP

VERA



PART LIST

No.	Description	Material	Qty	No.	Description	Material	Qty
1	Pump barrel	AISI304	1	20	Upper bearing	HT 250	1
2	Cable	Assembling unit	1	21	Washer	65Mn	1
3	Screw	AISI304	2	22	Ground terminal	H62	1
4	Handle	Assembling unit	1	23	Pressure plate	AISI304	1
5	Nut	AISI304	2	24	Mechanical seal	Ceramic Graphite	2
6	Cable sheath	Rubber	1	25	Kit	PPO	1
7	Barrel upper cover	HT 250	1	26	Impeller	AISI304	
8	Upper bearing bracket	PPO	1	27	Diffuser	AISI304	
9	"O"ring	NBR	2	28	Sealing cover	AISI304	
10	Outlet	AISI304	1	29	Support	PPO-GP20	1
11	Float switch	Assembling unit	1	30	Base	AISI304	1
12	"O"ring	NBR	2	31	Impeller sleeve	AISI304	1
13	Bearing	Assembling unit	2	32	Bushing	AISI304	1
14	Pump case	AISI201	1	33	Rubber bearing	Polyether	1
15	Stator	Assembling unit	1	34	Pump cover	PPO-GP20	1
16	Rotor	Assembling unit	1	35	Cylinder cover	AISI304	1
17	Upper bushing	PP G30	1	36	Lower bearing bracket	PPO	1
18	Cap	Assembling unit	4				
19	Capacitor		1				



4SDM4/27- 3HP

DEEP WELL SUBMERSIBLE PUMP

APPLICATIONS

- For pumping clean water with sand content less than 150g/m³
- For well pumping, river pumping, farm irrigation, water supply, mining, drainage in breeding industry.

OPERATING CONDITIONS

Water temperature up to 35°C

Ambient temperature permissible up to 40°C

4SDM Minimum internal diameter of well: 4"(100mm)

Maximum sand content: 0.25%

Maximum immersion depth: 80m

MOTOR AND PUMP

Single-phase: 220 ~ 240V/50Hz

Three-phase: 380 ~ 415V/50Hz Solar: 220v-3phase Equipped with start control box or digital auto-control box

Curve tolerance according to ISO 9906

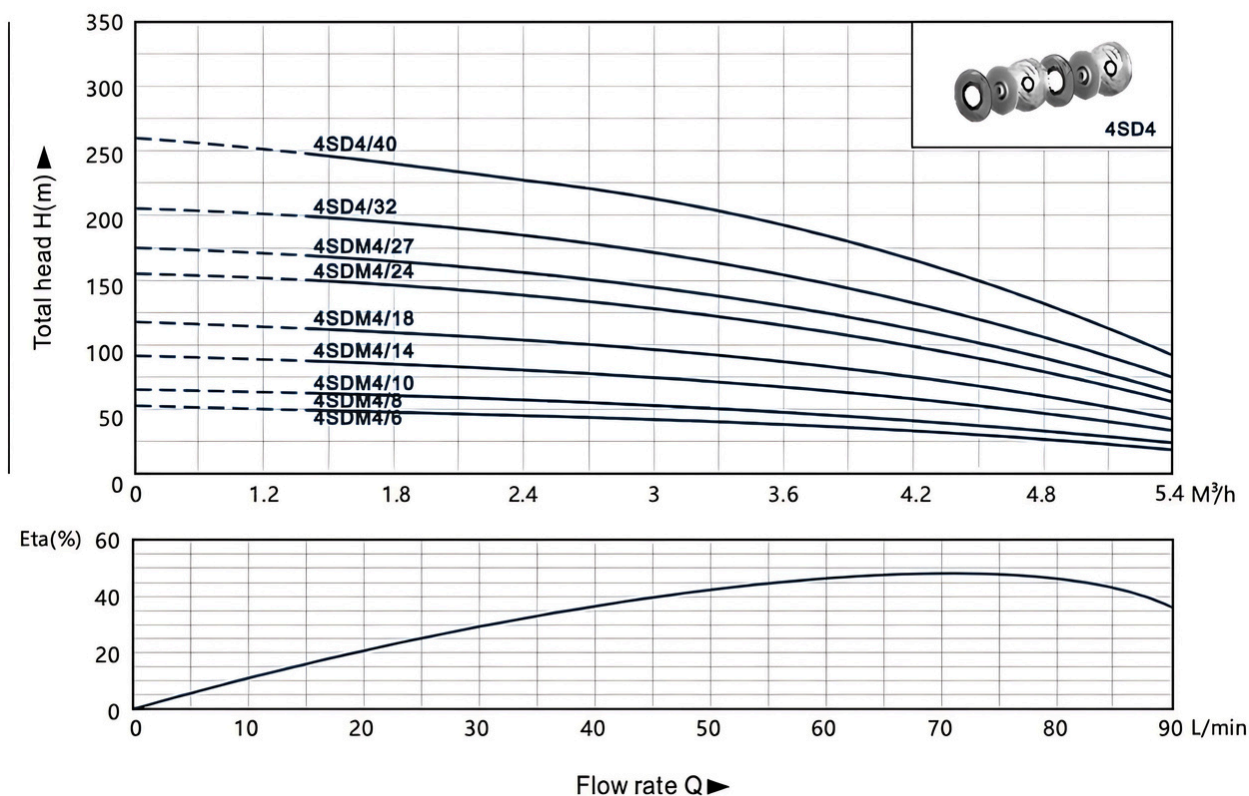


PARAMETER

PERFORMANCE DATA 50Hz

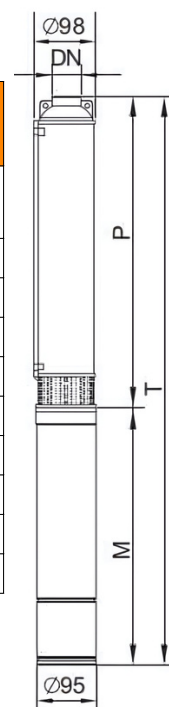
Model		power		Capacity & Head										
				n=2850r.p.m										
1~220V-240V	3~380V-415V	KW	HP	Q	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	
				(m ³ /h)	0	20	30	40	50	60	70	80	90	
				Q	H(m)									
				(l/min)	39	38	36	35	33	30	26	21	14	
4SDM4/6		0.37	0.5		52	50	48	46	44	40	34	28	19	
4SDM4/8		0.55	0.7 5		65	63	60	57	54	49	42	34	23	
4SDM4/10	4SD4/10	0.75	1		91	89	84	80	76	69	59	48	33	
4SDM4/14	4SD4/14	1.1	1.5		117	114	108	103	98	89	76	62	42	
4SDM4/18	4SD4/18	1.5	2		155	152	144	137	130	118	101	82	56	
4SDM4/24	4SD4/24	2.2	3		175	171	162	154	146	133	114	92	63	
4SDM4/27	4SD4/27	2.2	3		205	201	192	183	173	157	135	109	74	
	4SD4/32	3	4		260	252	240	228	216	196	168	136	92	
	4SD4/40	4	5.5											

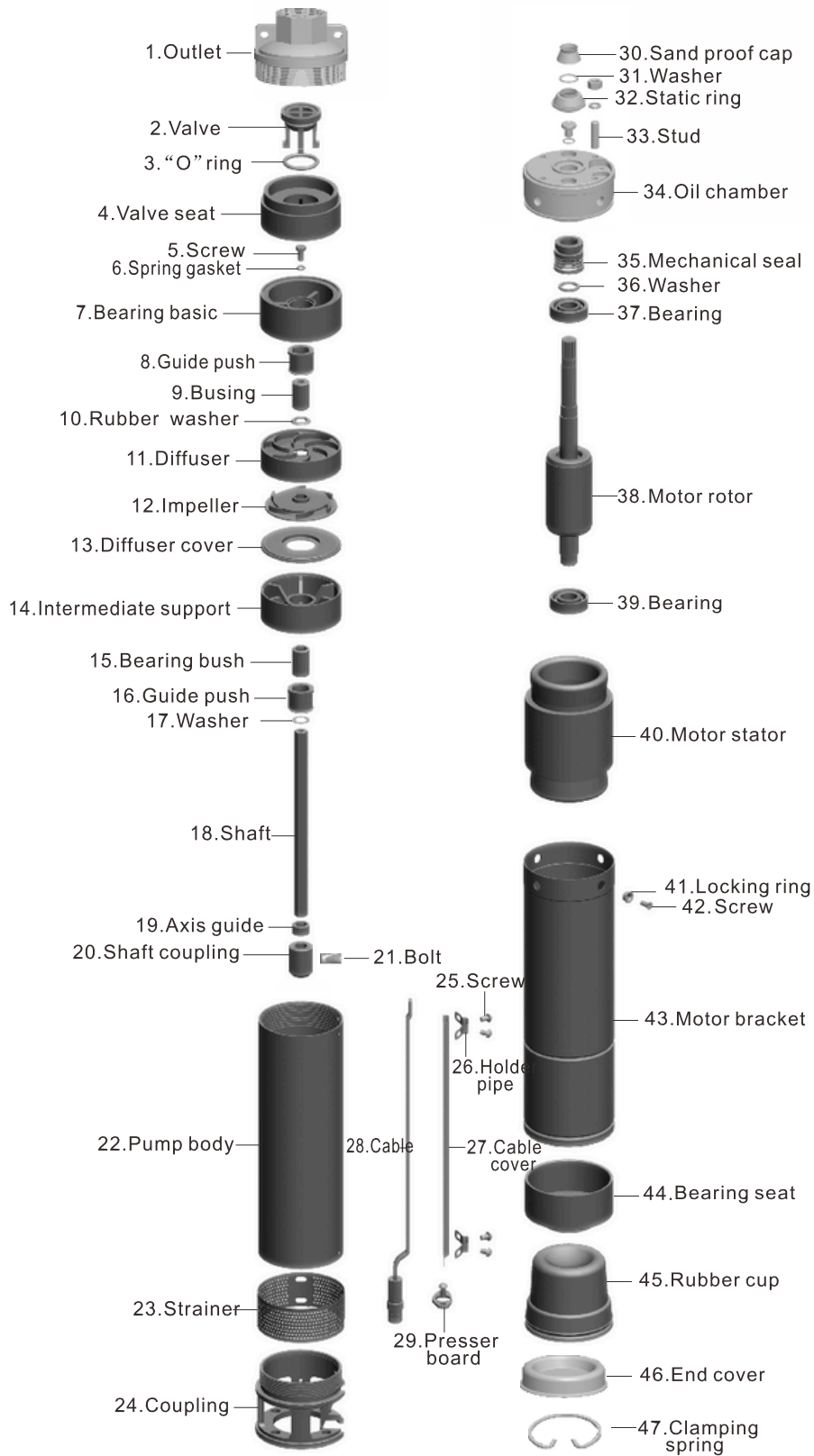
PERFORMANCE CHART AT N=2850RPM



DIMENSION & WEIGHT

Model		DN	DIMENSION (mm)			WEIGHT(kg)		
1~220V-240V	3~380V-415V		P	M	T	P	M	T
4SDM4/6		1¼"/1½"/2"	381	363	695	3.3	7.2	10.5
4SDM4/8		1¼"/1½"/2"	440	378	768	3.8	8	11.8
4SDM4/10	4SD4/10	1¼"/1½"/2"	500	398	846	4.4	8.7	13.1
4SDM4/14	4SD4/14	1¼"/1½"/2"	647	438	1035	5.4	10.8	16.2
4SDM4/18	4SD4/18	1¼"/1½"/2"	763	515	1230	6.4	13.8	20.2
4SDM4/24	4SD4/24	1¼"/1½"/2"	938	565	1452	8.2	16	24.2
4SDM4/27	4SD4/27	1¼"/1½"/2"	1026	590	1565	8.9	17.4	26.3
	4SD4/32	1¼"/1½"/2"	1203	605	1756	10.4	19.3	29.7
	4SD4/40	1¼"/1½"/2"	1468	723	2140	12.6	21.9	





SUBMERSIBLE CLEAN AND SEWAGE WATER PUMPS



SUBMERSIBLE CLEAN WATER & SEWAGE PUMP

Submersible pumps are specialized devices designed to operate underwater and are used for a variety of applications, including the pumping of clean water and sewage. Here's an overview of submersible pumps for clean water and sewage:

Submersible Clean Water Pumps:

These pumps are typically used to pump clean water from wells, tanks, or reservoirs. They are suitable for submerged installation and are often used in domestic and industrial water supply systems. VERA offers a range of submersible clean water pumps that can handle various flow rates and head heights.

Submersible Sewage Pumps:

Sewage pumps are designed to handle wastewater that contains solids and debris. They are commonly used in municipal sewage systems, septic tanks, and wastewater treatment plants. VERA provides submersible sewage pumps that are robust and can manage the demands of sewage pumping.

Key Features to Consider:

Flow Rate: The maximum amount of liquid the pump can move, usually measured in liters per second (l/s).

Head: The height to which the pump can raise water, typically measured in meters (m).
Liquid Temperature: The range of liquid temperatures the pump can handle, important for ensuring the longevity of the pump.

Clean water pumps and sewage pumps are designed for different applications, and they have several

key differences:

Clean Water Pumps:

- **Intended Use:** They are used to pump clean water from sources like wells, tanks, or reservoirs.
- **Construction:** Often made of materials like thermoplastic or stainless steel, suitable for clean water.
- **Handling Capabilities:** Designed to handle clean water without debris or solids.

Sewage Pumps:

- **Intended Use:** These pumps are meant for wastewater that contains solids and semi-solids.
- **Construction:** Typically constructed with robust materials like cast iron or stainless steel to withstand harsher conditions.

Handling Capabilities:

Equipped with special impellers to handle solid waste materials without clogging

Key Differences:

- **Solids Handling:** Sewage pumps can handle solid particles up to a certain size, typically around 2 inches in diameter, which clean water pumps cannot.
- **Grinder Function:** Some sewage pumps come with a grinder function that breaks down solid waste into smaller particles, facilitating smooth operation and preventing clogs.
- **Flow Rate:** Sewage pumps usually have a higher flow rate to manage a larger volume of wastewater efficiently.

PRODUCT: SEWAGE WATER PUMP

MODEL: WQD-750-D

APPLICATIONS

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing particles

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class E
- Protection IP58
- Thermal protector for single phase
- Single-phase 220V/50Hz,

Operating conditions

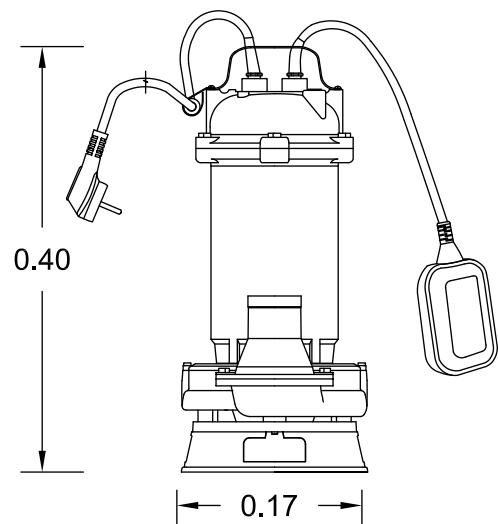
- 5m maximum immersion depth
- Liquid temperature up to 35°C
- Maximum ambient temperature 40°C

SPECIFICATION

Power	0.75KW, 1HP
Voltage	220V
Power Range	Single Phase 220V \pm 10%, 50Hz
Outlet	2inch
Max. Flow	2900min
Q max	10 (m ³ /h)
H max	11 m
Size	120*80mm, 7M(3*0.75mm)
Water Temperature	up to 45°C
Euro plug: 2 Inch: S.S shaft: C&U Bearing: Great wall seal	
Capacitor	c 20 uF
PH	6.5 to 8.5
Grain Diameter	Not bigger than 0.2mm



MODEL: WQD-750-D



WQD-750D

PRODUCT: SEWAGE WATER PUMP

MODEL: WQD-1100-D

APPLICATIONS

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing particles

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class E
- Protection IP58
- Thermal protector for single phase
- Single-phase 220V/50Hz,

SPECIFICATION

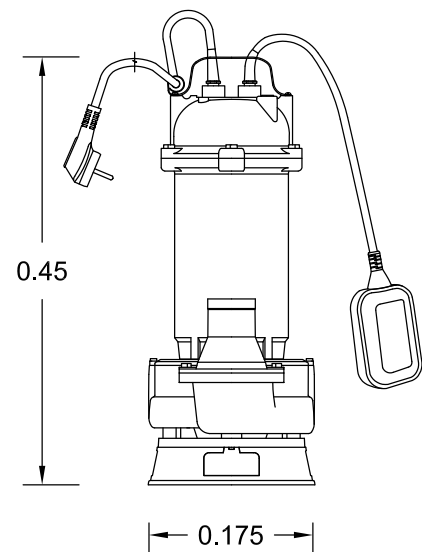
Power	1.1KW, 1.5HP
Voltage	220V
Power Range	Single Phase 220V \pm 10%, 50Hz
Outlet	2inch
Max. Flow	2900min
Q max	15 (m ³ /h)
H max	10m
Size	120*90mm, 7M(3*1mm)
Water Temperature	up to 45°C
Euro plug: 2 Inch: S.S shaft: C&U Bearing: Great wall seal	
Capacitor	c 25 uF
PH	6.5 to 8.5
Grain Diameter	Not bigger than 0.2mm



MODEL: WQD-1100-D

Operating conditions

- 5m maximum immersion depth
- Liquid temperature up to 35°C
- Maximum ambient temperature 40°C



WQD-1100D

PRODUCT: SEWAGE WATER PUMP

MODEL: WQD-1500-D

APPLICATIONS

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing particles



MODEL: WQD-1500-D

Motor

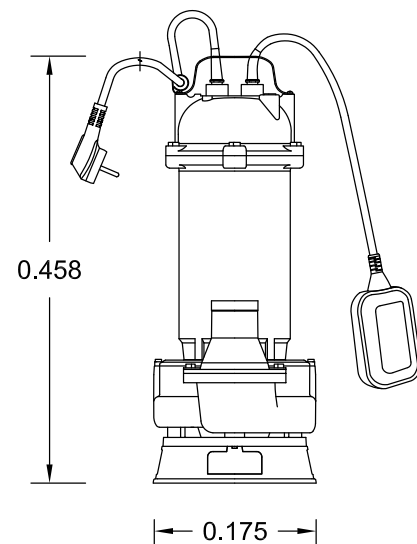
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class E
- Protection IP58
- Thermal protector for single phase
- Single-phase 220V/50Hz,

Operating conditions

- 5m maximum immersion depth
- Liquid temperature up to 35°C
- Maximum ambient temperature 40°C

SPECIFICATION

Power	1.5KW 2HP
Voltage	220V
Power Range	Single Phase 220V \pm 10%, 50Hz
Outlet	2inch
Max. Flow	2900min
Q max	15 (m ³ /h)
H max	15m
Size	120*200mm, 7M(3*1.5mm)
Water Temperature	up to 45°C
Euro plug: 2 Inch: S.S shaft: C&U Bearing: Great wall seal	
Capacitor	c 30 uF
PH	6.5 to 8.5
Grain Diameter	Not bigger than 0.2mm



WQD-1500D

PRODUCT: SEWAGE WATER PUMP

MODEL: WQD2200-D

APPLICATIONS

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing particles



MODEL: WQD2200-D

Motor

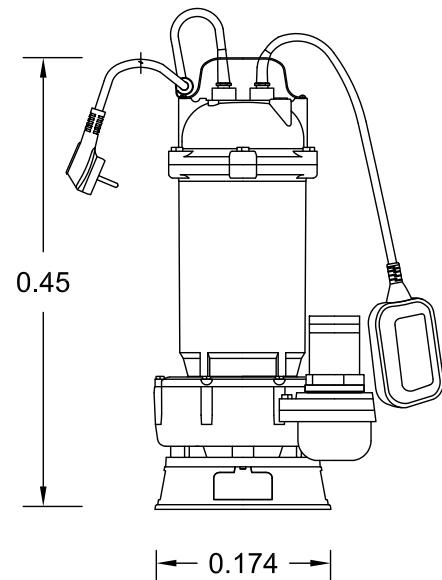
- Two-pole induction motor(n=2850 r.p.m)
- Insulation Class E
- Protection IP58
- Thermal protector for single phase
- Single-phase 220V/50Hz,

Operating conditions

- 5m maximum immersion depth
- Liquid temperature up to 35°C
- Maximum ambient temperature 40°C

SPECIFICATION

Power	2.2KW 3HP
Voltage	220V
Power Range	Single Phase 220V $\pm 10\%$, 50Hz
Outlet	2inch
Max. Flow	2900min
Q max	15 (m ³ /h)
H max	18m
Size	12.8*100mm, 7M(3*2mm)
Water Temperature	up to 45 °C
Euro plug: 2 Inch: S.S shaft: C&U Bearing: Great wall seal	
Capacitor	c 35 uF
PH	6.5 to 8.5
Grain Diameter	Not bigger than 0.2mm



WQD-2200D

PRODUCT: SUBMERSIBLE PUMP FOR CLEAN WATER

MODEL: QDP-400-B

INSTALLATIONS AND USE

- For clean water without abrasive particles
- For well pumping, river pumping, rain water collection, for pumping water out from cellars, garages and basement
- For water supply and drainage of farmland, garden and daily waste water

Motor

- Two-pole induction motor(n=2900 r.p.m)
- Insulation Class E
- Protection IP58
- Thermal protector for single phase
- Single-phase 220V/50Hz
- With thermal protector incorporated into the winding
- Available with float switch for automatic start/stop

Operating conditions

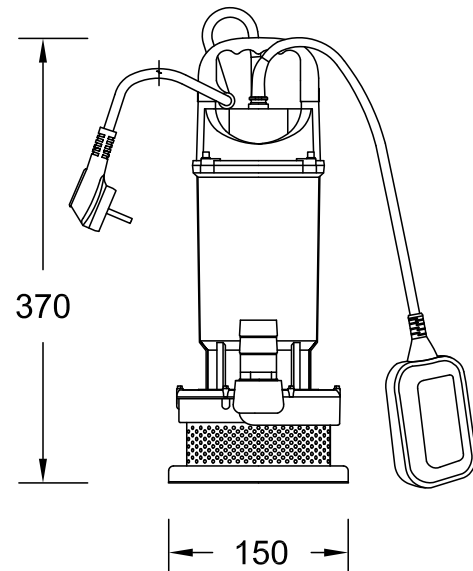
- Liquid temperature up to +35°C .
- Ambient temperature up to +40°C .
- Max. Immersion depth 5m.

SPECIFICATION

Power	0.37KW, 0.5HP
Voltage	220V
Power Range	Single Phase 220V ± 10%, 50Hz
Outlet	1inch
Max. Flow	2900min
Q max	1.5 (m ³ /h)
H max	17 m
Size	96x70mm, 7m(3*0.35mm)
Water Temperature	up to 40°-45°C
Euro Plug: 1inch: Iron, Shaft: C&U Bearing: Great Wall Seal	
Capacitor	c 12 uF
PH	1PH



MODEL: QDP-400-B



QDP-400B-0.5HP

PRODUCT: SUBMERSIBLE PUMP FOR CLEAN WATER

MODEL: QDP-750-B-B

INSTALLATIONS AND USE

- For clean water without abrasive particles
- For well pumping, river pumping, rain water collection, for pumping water out from cellars, garages and basement
- For water supply and drainage of farmland, garden and daily waste water

Motor

- Two-pole induction motor(n=2900 r.p.m)
- Insulation Class E
- Protection IP58
- Thermal protector for single phase
- Single-phase 220V/50Hz
- With thermal protector incorporated into the winding
- Available with float switch for automatic start/stop

Operating conditions

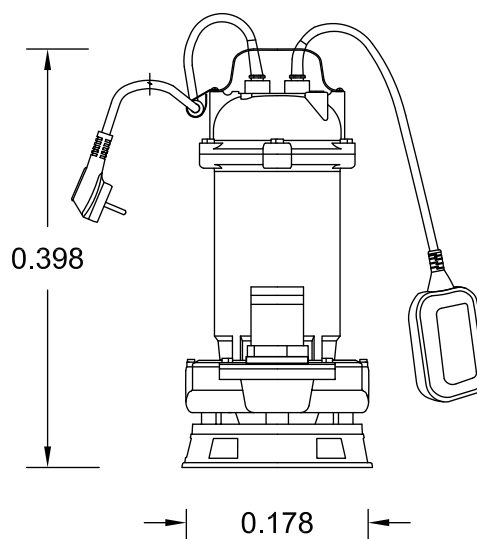
- Liquid temperature up to +35°C .
- Ambient temperature up to +40°C .
- Max. Immersion depth 5m.

SPECIFICATION

Power	0.75KW, 1HP
Voltage	220V
Power Range	Single Phase 220V \pm 10%, 50Hz
Outlet	1inch
Max. Flow	2900min
Q max	1.5 (m ³ /h)
H max	32 m
Size	96x70mm, 7m(3*0.35mm)
Water Temperature	up to 40° - 45 °C
Euro Plug: 1inch: Iron, Shaft: C&U Bearing: Great Wall Seal	
Capacitor	c 20 uF
PH	1PH



MODEL: QDP-750-B



QDP-750-B

QDS-370-D-0.5HP

CLEAN WATER PUMP

VERA

DESCRIPTION

The submersible pump with plastic housing is configured to use with clean water that does not contain any abrasive particles.

APPLICATIONS

- Domestic
- Gardening
- Irrigation
- Emptying Tanks

OPERATING CONDITIONS

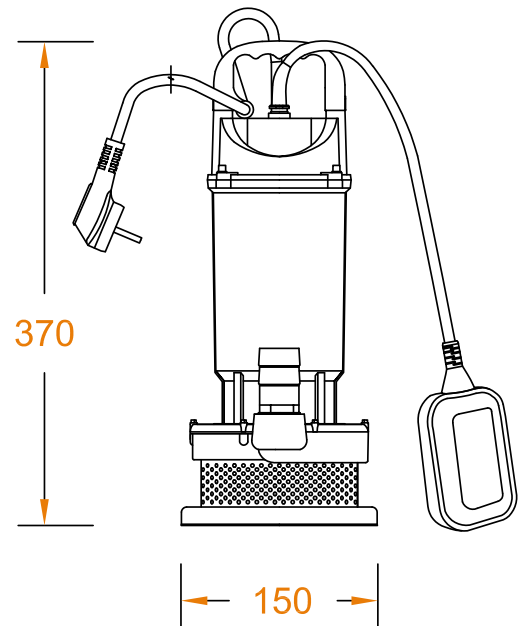
- 3 m Maximum immersion depth
- Liquid Temperature up to 35 degree Celsius
- Maximum Ambient Temperature 40 degree C

KEY FEATURES

- Fast and Effective
- Float Switch Control
- Long-Lasting
- Protection from Overload

SPECIFICATION

Power Range	Single Phase 220V±10%, 50Hz
Size	96x70mm, 7M(3*0.35mm)
Euro plug: 1 Inch: S.S shaft: C&U Bearing: Great wall seal	



QDS-370-D	Phase no	Flow Rate	Hp	Max Head Height (m)	Capacitor micro-Farad	Max Operation Temp/ Degree Celcius	Inlet/outlet
	1ph	1.5m ³ /h	0.5hp	17mtr	c 12uf	40°-45° C	1"

QDS-550-D-0.75HP

CLEAN WATER PUMP

VERA

DESCRIPTION

The submersible pump with plastic housing is configured to use with clean water that does not contain any abrasive particles.

APPLICATIONS

- Domestic
- Gardening
- Irrigation
- Emptying Tanks

OPERATING CONDITIONS

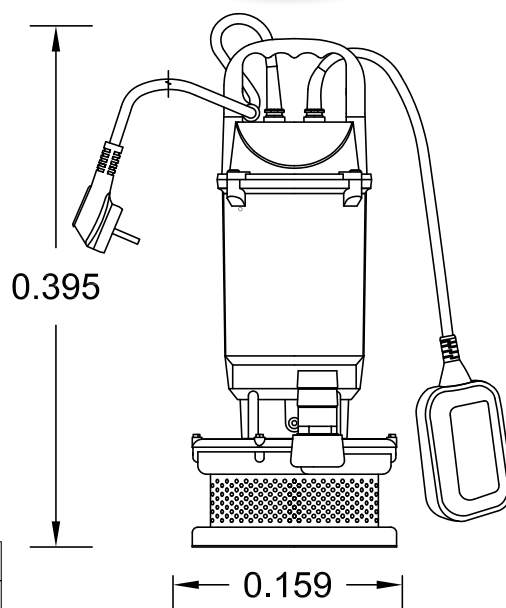
- 3 m Maximum immersion depth
- Liquid Temperature up to 35 degree Celsius
- Maximum Ambient Temperature 40 degree C

KEY FEATURES

- Fast and Effective
- Float Switch Control
- Long-Lasting
- Protection from Overload

SPECIFICATION

Power Range	Single Phase 220V±10%, 50Hz
Size	120x70mm, 7M(3*0.5mm)
Euro plug: 1 Inch: S.S shaft: C&U Bearing: Great wall seal	



QDS-550-D	Phase no	Flow Rate	Hp	Max Head Height (m)	Capacitor micro-Farad	Max Operation Temp/ Degree Celcius	Inlet/outlet
	1ph	1.5m ³ /h	0.75hp	25mtr	c 12uf	40°-45 °C	1"

QDS-750-D-1HP

CLEAN WATER PUMP

VERA

DESCRIPTION

The submersible pump with plastic housing is configured to use with clean water that does not contain any abrasive particles.

APPLICATIONS

- Domestic
- Gardening
- Irrigation
- Emptying Tanks

OPERATING CONDITIONS

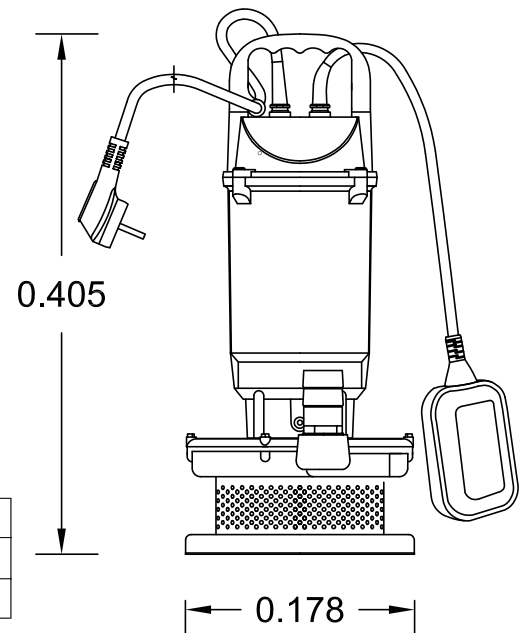
- 3 m Maximum immersion depth
- Liquid Temperature up to 35 degree Celsius
- Maximum Ambient Temperature 40 degree C

KEY FEATURES

- Fast and Effective
- Float Switch Control
- Long-Lasting
- Protection from Overload

SPECIFICATION

Power Range	Single Phase 220V \pm 10%, 50Hz
Size	120x80mm, 7M(3*0.75mm)
Euro plug: 1Inch: S.S shaft: C&U Bearing: Great wall seal	



QDS-750-D	Phase no	Flow Rate	Hp No.	Max Head Height (m)	Capacitor micro-Farad	Max Operation Temp/ Degree Celsius	Inlet/outlet
	1ph	1.5m ³ /h	1hp	32mtr	c 20uf	40°-45° C	1"

HRS25/6G-180 CIRCULATION PUMP

VERA

SL NO	CONSTRUCTION MATERIAL DATA	REMARKS
1	MOTOR WIRE	0.2mm
2	MOTOR SHELL	S.S304
3	ROTOR CAN	S.S304
4	IMPELLER	PES
5	PUMP BODY	BRASS
6	SHAFT	ceramic
7	BEAR	ceramic
8	INSULATION CLASS	CLASS F

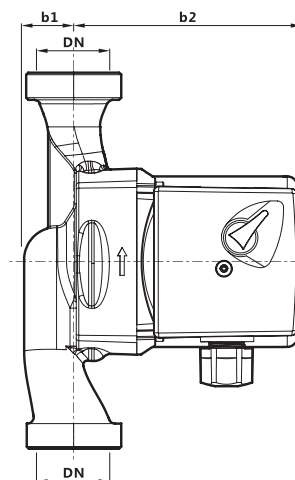
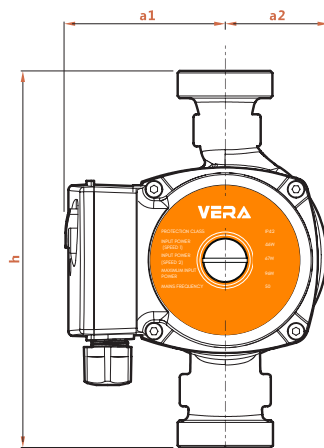
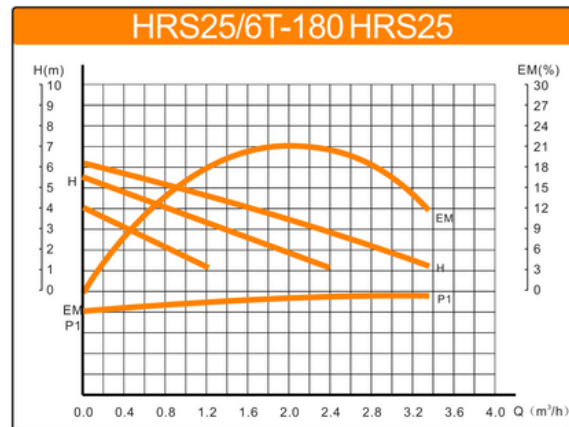
SL. NO	TECHNICAL DATA	REMARKS
1	LIQUID TEMPERATURE RANGE	-10°C - +110°C
2	PIPE SIZE	1-1/2"
3	PORT TO PORT LENGTH	180
4	MAX.OPERATINGPRESSURE	10bar
5	PRESSURE STAGE, PIPE CONNECTION	screw
6	AMBIENT TEMPERATURE	0°C-+40 °C

SL.NO	ELECTRICAL DATA	REMARKS
1	PROTECTION CLASS	IP42
2	INPUT POWER (SPEED 1)	46W
3	INPUT POWER (SPEED 2)	67W
4	MAXIMUM INPUT POWER	96W
5	MAINS FREQUENCY	50
6	RATED VOLTAGE	220-240
7	MAX.CURRENT	0.43A
8	CAPACITOR SIZE	3uf
9	MAX FLOW	65 l/min
10	MAX HEAD	6m



MODEL: HRS25/6G-180

PRODUCT: CIRCULATION PUMP



PRESSURE CONTROLLER



MODEL:
V-VK



DESCRIPTION

Starting pressure setting: 1.5bar
 Connection thread: G1"
 Protection rating: IP65
 Max.working temperature: 55°C
 Wiring requirement: 7.5-9mm

MODEL:
V-HK



SPECIFICATION

Rated voltage: 220V-240V
 Frequency: 50HZ/60HZ
 Max.current: 10A
 Max.power: 1.1KW
 with two 0.3M*H07RN-F 3G1 cables

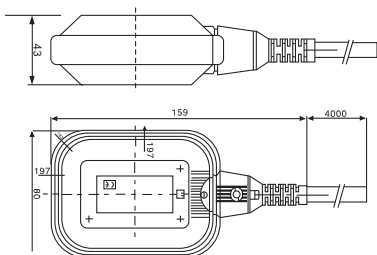
APPLICATIONS

Widely used in a variety of self-priming pumps, jet pumps, centrifugal pumps, garden pumps and other water supply system: Ordinary wells and tube wells, household water booster, high buildings water booster, irrigation system.

Float Switch Water Level Controller for Tank Pump

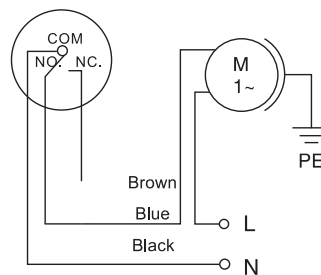


3.Outline dimension



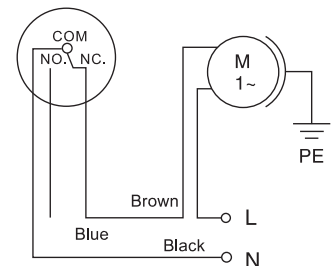
Descriptions:

1.Auto-fill-water modes



1. Connect the control's blue line to electric pump, black line is connected to zero-line, brown line can not be connected and should be insulated

1. Auto Drainage and lack-water protection mode



2. Connect the control's brown line to electric pump, black line is connected to zero-line, blue line can not be connected and should be insulated



WATER TREATMENT SYSTEM

APPLICATIONS

- Fountain beverages
- Coffee & tea
- Drinking Water

OPERATION TIPS

- Change cartridges on a regular six (6) month preventative maintenance program.
- Change cartridges when capacity is reached or when flow becomes too slow.
- Always flush the filter cartridge at time of Installation and cartridge change.

FEATURES • BENEFITS

Reduces maintenance frequency and cost, and extends equipment life.

Gradient-density sediment filtration protects against dirt, rust and other debris down to 0.5 microns

High-capacity activated-carbon filtration makes water taste great and protects equipment against corrosive chlorine.

Built-in pressure gauge allows visual monitoring of when filters need to be changed

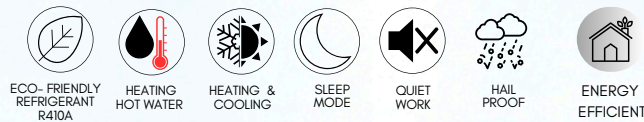
Inlet shut-off and depressurization valves make filter replacement quick and simple.

Only the drop-in cartridges are replaced. The filter sump is re-used, minimizing waste.

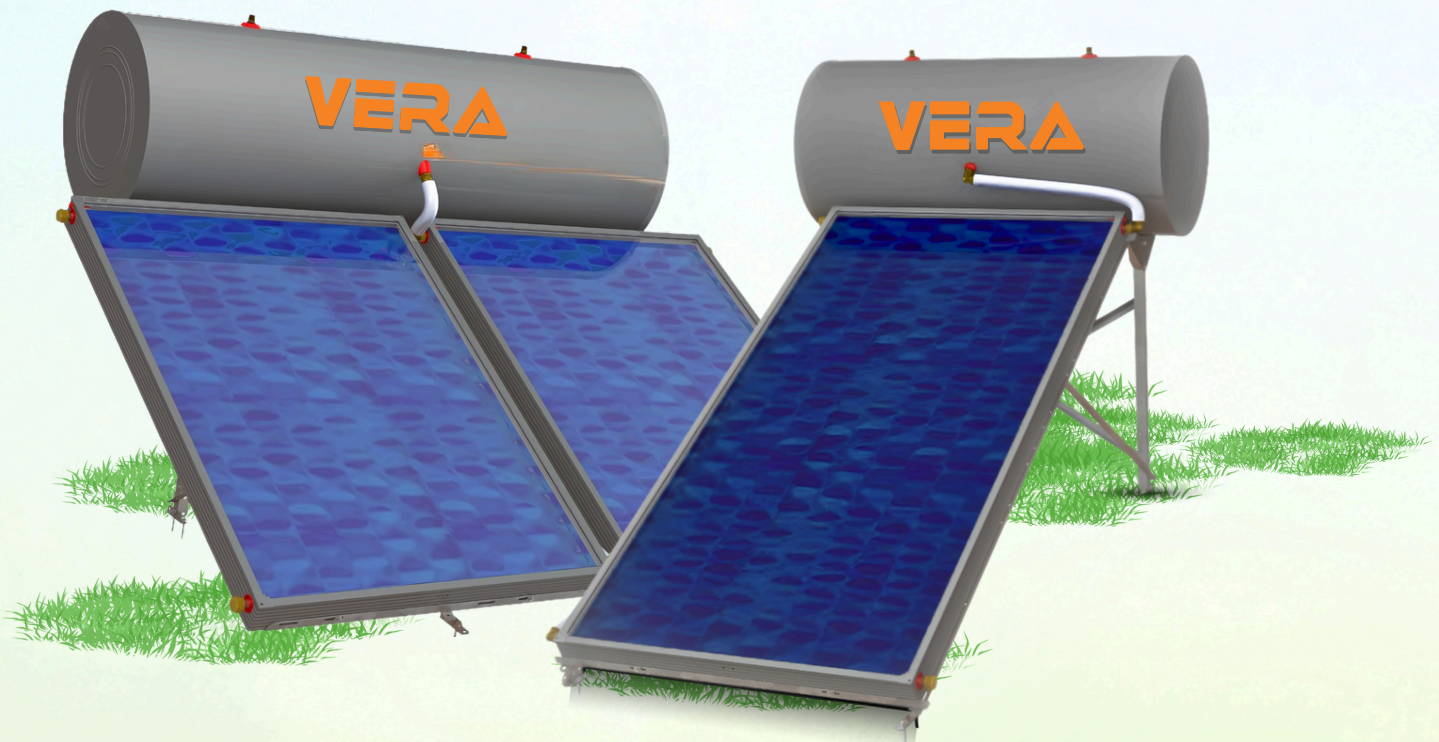


VERA

GRT SERIES LOW TILT SOLAR WATER HEATER



A BRAND AND ITS PROMISE TO PERFORM.



TÜVRheinland®
DIN CERTCO



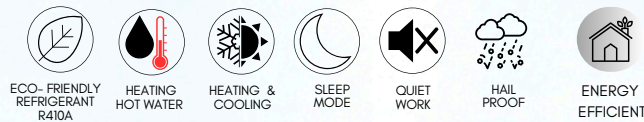
JUNAID
GROUP OF COMPANIES



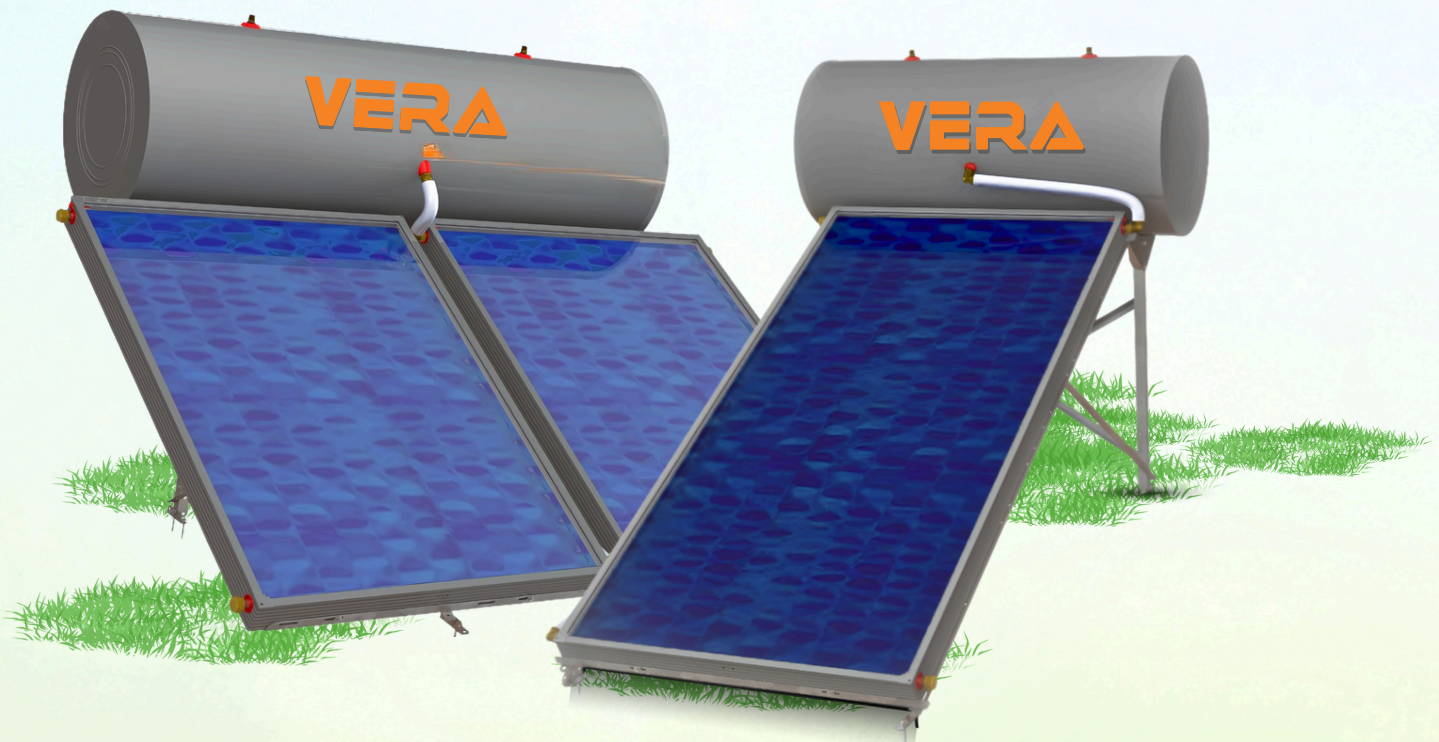
www.vera-me.com

VERA

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A BRAND AND ITS PROMISE TO PERFORM.



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VERA



Energy Saving



Environmental Friendly



Free Energy from the Sun

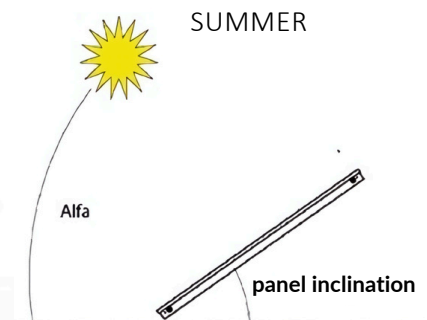
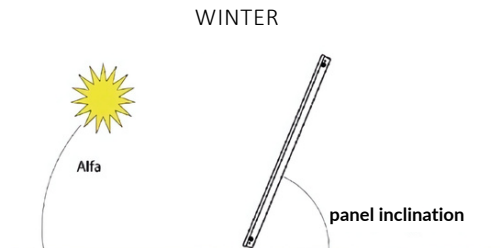


Porcelain Enameled









Flat-plate solar collectors

Flat-plate collectors, like those from WATT, economically harness free solar energy. They efficiently heat utility and pool water, as well as support low-temperature central heating systems. WATT collectors are known for their durability, premium quality, and high performance, validated by numerous certificates.



**TAKE THE MAXIMUM
ADVANTAGE OF THE
SUN**

 <p>PRODUCE YOUR HOT WATER</p>	 <p>HEAT YOUR BUILDING</p>	 <p>PRODUCE YOUR ELECTRICITY</p>	 <p>COOL YOUR BUILDING</p>	 <p>HEAT YOUR POOL</p>	 <p>VISUALIZE YOUR SAVINGS</p>
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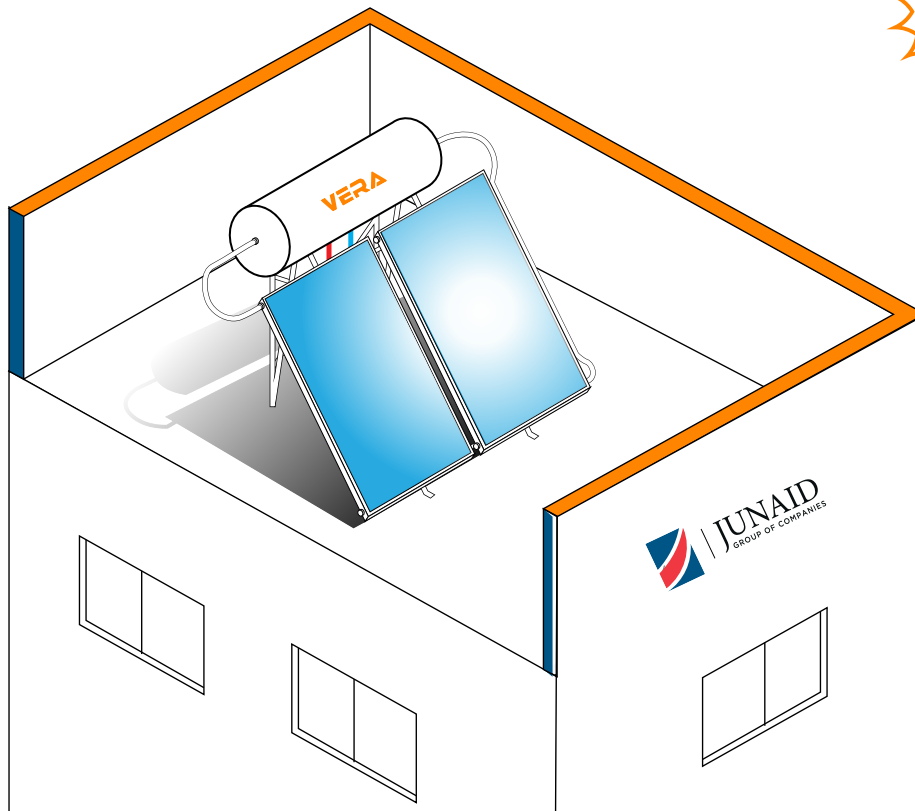
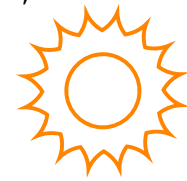
THE COST-EFFECTIVE WAY TO PROVIDE HOT WATER IN LARGE QUANTITY



Discover the cost-effective way to meet large-scale hot water needs with Vera's new line of solar water heaters. Harnessing energy directly from the sun, these efficient products reduce electricity costs and contribute to a cleaner environment. Easy to install and requiring minimal maintenance, Vera's solar water heaters are the ideal choice for year-round energy-saving and efficient water heating. Available in direct types, with options ranging from single collector 150 liters to single collector 200 and 300 liters catering to various large water heating demands.

Available in DIRECT TYPE

Ranges from single collector 150 liters and Single collector 200 liters , and 300 liters suitable for multiple large water heating demand



Large private home

Hairdressing salon

Shop

B&B

Campsite

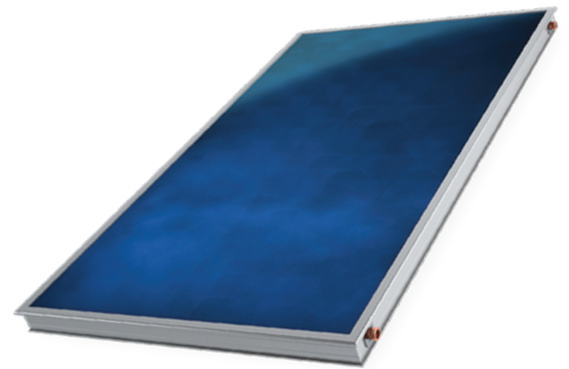
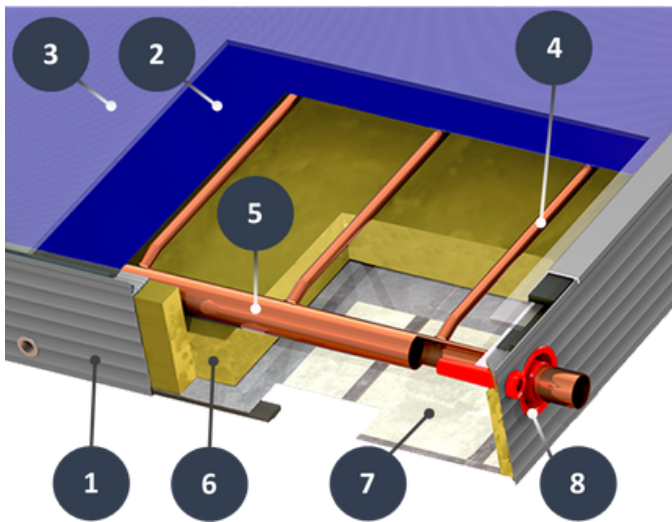
Farmhouse

Spa and wellness centre



Solar

Condensing



Model VERA is a flat plate collector, encasing harp type absorber with high efficiency level. It is an affordable choice, best suited for closed loop / forced circulation systems, small scale, great choice for mild or hot climates, where its great value will outshine the competition. The efficiency factor of VERA is $\eta_0=0.78$ (based on aperture area), making VERA a remarkable solar collector. This collector has been tested in NSCR DEMOKRITOS laboratory and it is certified with SOLAR KEYMARK / DCL.

Description

- 1. Frame of the collector:** Aluminum profile powder coated for maximum protection in seaside areas.
- 2. Absorbing surface:** Aluminum surface with blue titanium high selective treatment with high absorption and low emission ($\alpha=95\%$, $\epsilon=4\%$), laser welded on the copper water frame.
- 3. Transparent cover:** Security-Tempered prismatic solar glass for maximum protection against extreme weather conditions and temperature changes.
- 4. Vertical tubes:** Copper tubes in diameter $\varnothing 8\text{mm}$.
- 5. Header of water frame:** Copper tubes $\varnothing 22$, which are welded to the vertical tubes with hard silver solder. Each water frame is tested at a pressure of 15 bars. Headers are punched with upper expansion for perfect fitting with vertical tubes and minimum pressure drop in the collector.
- 6. Thermal insulation:** 30mm thick layer of prepressed mineral wool special for solar panels for minimum thermal loss. Thermal conductivity: $\lambda=0.035 \text{ W/m}^2\text{K}$ (EN 13162) and heat capacity 0.84 kJ/kg .
- 7. Back cover:** Aluzinc 0,4mm thick. Aluzinc stands for aluminum and zinc, fused in almost equal proportions, as a coating for the steel sheet that is coated with a silvery spangle composed of Aluminum (55%), Zinc (43,4%) and a touch of Silicon (1,6%). Great mechanical strength and 7 times more resistant to corrosion than common galvanized steel.
- 8. Sealing materials:** For perfect waterproof finish and proper ventilation of collectors casing, all materials used (EPDM, polyurethane sealant, silicon air vents and silicon header flanges) resist to extreme weather conditions and temperature changes. The collector can be installed on a flat roof or tiled roof.

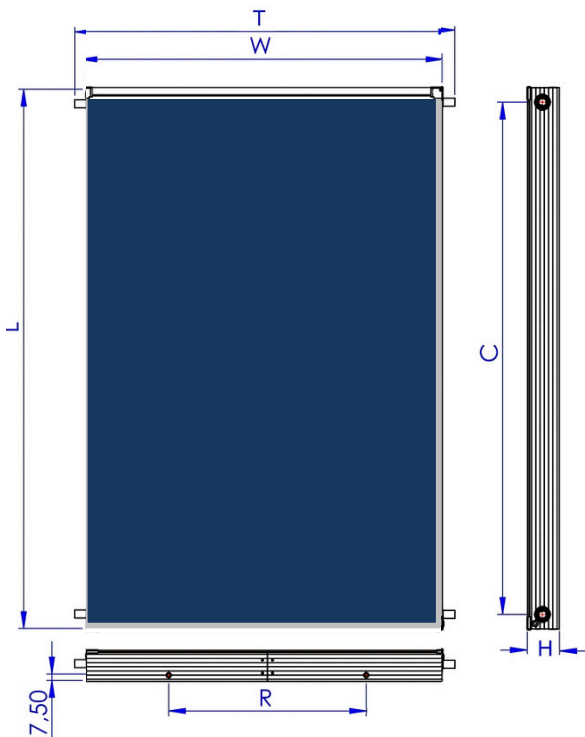


Solar Condensing

VERA SERIES COLLECTORS TECHNICAL DATA / SPECIFICATIONS

MODEL	1.50 V	1.50 H	1.82 V	1.82 H	2.00 V	2.00 H	2.37 V	2.37 H	2.72 V	2.72H
Gross area [m ²]	1.50	1.50	1.82	1.82	2.00	2.00	2.37	2.37	2.72	2.72
Total Dimensions (mm) (L x W x H)	L: 1480 W: 1010 H: 86	L: 1010 W: 1480 H: 86	L: 1480 W: 1230 H: 86	L: 1230 W: 1480 H: 86	L: 1980 W: 1010 H: 86	L: 1010 W: 1010 H: 86	L: 1930 W: 1010 H: 86	L: 1230 W: 1930 H: 86	L: 2160 W: 1260 H: 86	L: 1260 W: 2160 H: 86
Weight empty [kg]	26.4	26.8	31.9	32.2	34.6	35.4	40.6	41.2	46.1	46.7
Max. operating Pressure [bar]	10									
Thermal Liquid Capacity [lt]	1.22	1.56	1.48	1.68	1.41	2.04	1.69	2.17	1.81	2.30
Collector front Cover-Thickness	LOW IRON TEMPERED GLASS 3.2mm									
Insulation	40mm MINERAL WOOL, $\lambda=0.035$ [W/(mK)]									
Casing Material	ALUMINUM POWDER COATED									
Sealing Materials	POLYURETHANE - SILICON - EPDM									
Absorber Area [m ²]	1.38	1.38	1.72	1.72	1.86	1.86	2.23	2.23	2.57	2.57
Water-frame type/material/diameter	Harp type, copper, $\varnothing 22$ headers- $\varnothing 8$ risers									
Nr. Of risers	9	14	11	14	9	18	11	18	11	18
Absorber Material-Treatment	ALUMINUM / PVD COATING / HIGH SELECTIVE - $A=0.95\pm 0.02$ / $e=0.05\pm 0.02$									
Absorber construction Type	LASER									
Heat transfer Medium	POLYPROPYLENE OR TRIETHYLENE GLYCOL + WATER MIXTURE									
Tests and Certifications	SOLAR KEYMARK									
	EFFICIENCY VALUES BASED ON EN ISO 9806:2013 STANDARD (SKM10086)									
Efficiency $\eta_{0,b}$	For the VERA family: 0.771					For the VERA 2.72: 0.784				
Thermal loss a_1 (w/(m ² K))	For the VERA family: 3.59					For the VERA 2.72: 3.15				
IAM (K θ at 50°)	0.96					0.96				
Thermal loss a_2 (w/(m ² K ²))	For the VERA family: 0.014					For the VERA 2.72: 0.012				
Stagnation temp. [°C]	190.5					190.5				
η_{col}	For the VERA family: 60%					For the VERA 2.72: 63%				



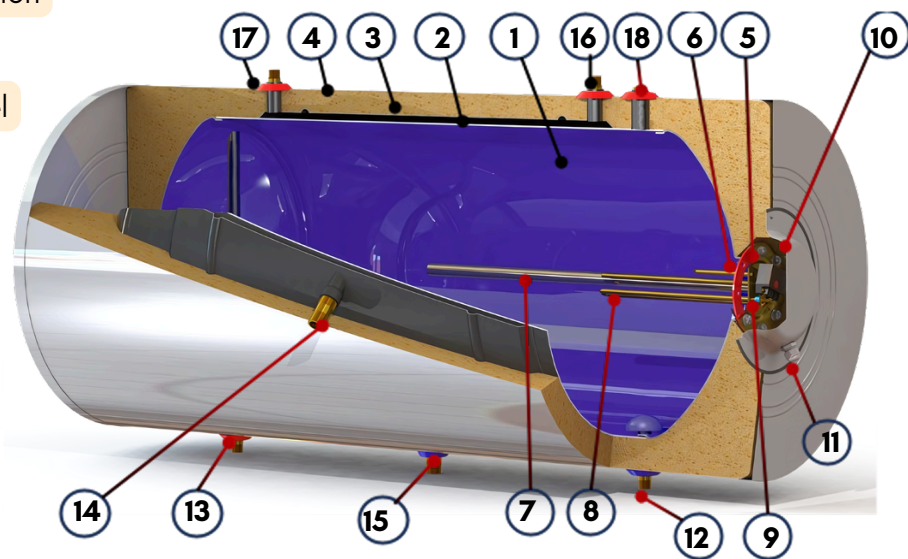


CRITICAL DIMENSIONS						
MODEL	L	W	H	C	T	R
1.50V	1480	1010	86	1400	1080	550
1.50H	1010	1480	86	930	1560	1000
1.82V	1480	1230	86	1400	1300	550
1.82H	1230	1480	86	1150	1560	1000
2.00V	1980	1010	86	1900	1080	550
2.00H	1010	1980	86	930	2050	1000
2.37V	1930	1230	86	1850	1300	550
2.37H	1230	1930	86	1150	2010	1000
2.72V	2160	1260	86	2080	1340	550
2.72H	1260	2160	86	1180	2240	1000

*R: M8 blind rivets position and spacing for mounting on a support structure. Located on both top and bottom side of the collector (2+2 rivets)

CLOSE LOOP DOUBLE ENAMELED BOILER TECHNICAL DATA

- Double Layer of Enamel
- Tank with 3mm thickness
- High density insulation (50kg/m)
- Closed loop
- High quality enamel coating



- 1. Water storage tank:** Consists of cold rolled steel, 2.5mm thick with enamel coated, processed at 860° C, according to DIN 4753 Standard.
- 2. Double jacket heat exchanger:** Consisting of cold rolled steel, 1.5mm thick, for the function of the closed loop circuit. The jacket is properly formed for resistance to contractions and expansions, during the operation of the solar system.
- 3. Thermal insulation:** Ecological, incombustible, and high-density (>47kg/m³) expanded polyurethane surrounds the water storage tank and jacket for minimum heat loss, maintaining the hot water temperature, and thickness of 50mm.
- 4. External casing:** Hot dip galvanized steel, powder-coated RAL9006.
- 5. Side flange:** Wide opening for easy cleaning of minerals, inspection of the tank, and maintenance.
- 6. Flange sealing:** The flange is sealed with a silicon sealant with high heat resistance.
- 7. Cathode protection:** A Magnesium anode rod for protection against corrosion and mineral deposits caused by electrolytic reactions.
- 8. Heating element:** Rated according to the destination country's local regulations (optional, for the use of electricity as an auxiliary power source).
- 9. Safety thermostat (optional, standard only in case that electric heating element is present):** With bipolar protection and auxiliary fuse. All electrical components carry a CE marking according to EN 60335-1 and EN 660335-2-21 standards.
- 10. Protective cover:** Protection of the electrical part.
- 11. Cable gland and cable tube:** Water-resistant passage for the electric element's electric connections.
- 12. Cold Water inlet:** Brass BSP male threaded pipe end (3/4" for 250 & 300lt tank and 1/2" for rest). At this connection, a 9-bar safety nonreturn valve must be placed for pressure relief.
- 13. Hot Water (DHW) outlet:** Brass BSP male threaded pipe end (3/4" for 250 & 300lt tank and 1/2" for rest).
- 14. Jacket inlet:** Brass 3/4" BSP male threaded pipe end. A tee fitting is attached which also provides the filling point for the closed circuit, which must be plugged after filling is done.
- 15. Jacket outlet:** Brass 3/4" BSP male threaded pipe end.
- 16. 2.5 bar safety valve connection point:** Brass 1/2" BSP male threaded pipe end.
- 17. Jacket vent:** Brass, with 1/2" BSP male threaded ends for venting of closed loop. A plug is attached here.
- 18. TP inlet:** (optional) Brass 3/4" female threaded pipe end for the connection of a temperature and pressure safety valve.



BOILERS TECHNICAL DATA/ SPECIFICATIONS

MODEL		GRT-160H	GRT-200H	GRT-250	GRT-300H
Capacity	(Lt)	160	200	250	300
Dimensions DxL	(mm)	580x1151	580x1250	580x1769	580x1870
Protection - treatment - of main tank	Enameled + MG Anode Rod				
Insulation material - density	(Kg/m ³)	Environmentally Friendly Expanded Polyurethane (50kg/m ³)			
Maximum operating Temperature	(°C)	99			
Maximum working Pressure	(bar)	10	9	9	9
Maximum closed loop Pressure	(bar)	2.5	2.5	2.5	2.5
Heat exchanger capacity (jacket)	(Lt)	8.8	7.6	12.1	12.1
Heat exchanger surface (jacket)	(m ²)	0.9	0.94	1.50	1.50
Weight empty	Kg	68	68	84	101

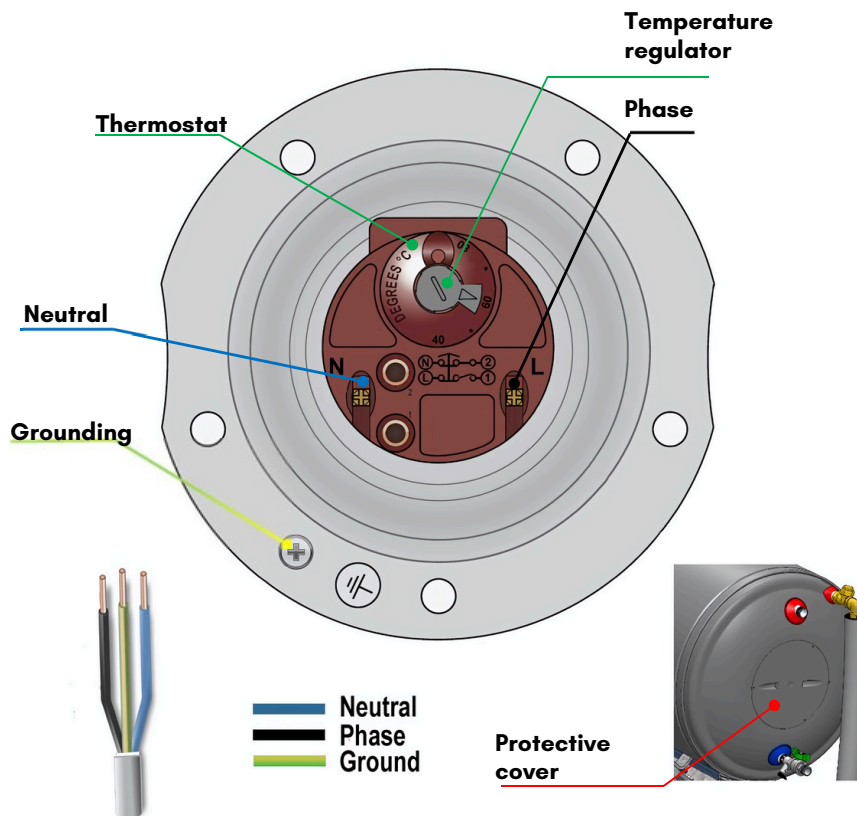
ELECTRICAL CONNECTION

General indications

Electrical connections must be carried out by qualified electricians and in accordance with the national standards and regulations in force for each particular application. The heating element must not be switched on when the tank is empty. In this case the warranty for the heating element does not apply.

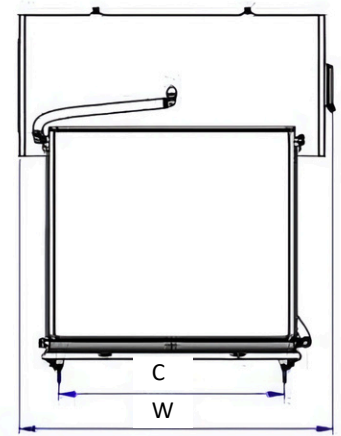
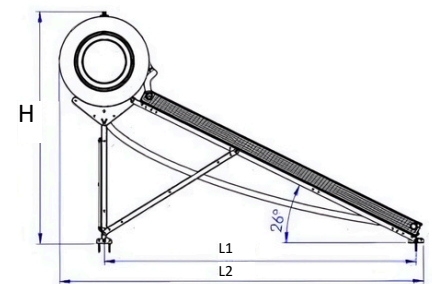
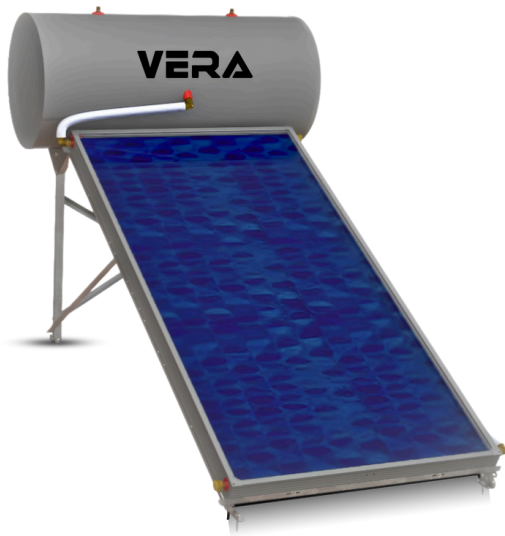
A safety relay must be installed to protect against electric shock.

The mains switch must be turned off throughout the electrical connection procedure.

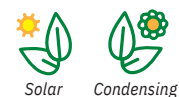


200BLTCMAX200 - SOLAR WATER HEATER

VERA

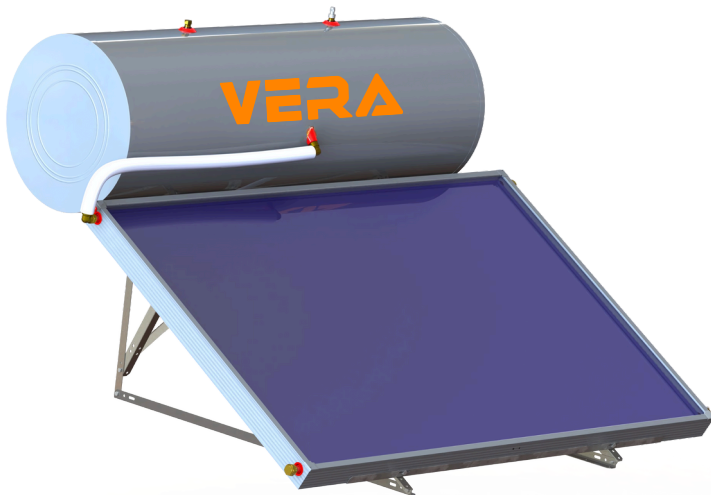


GRT-200 V & H -COLLECTORS TECHNICAL DATA / SPECIFICATIONS		
MODEL	200 V	200 H
Gross area [m ²]	200	200
Total Dimensions (mm) (L x W x H)	L: 1980 W: 1010 H: 86	L: 1010 W: 1010 H: 86
Weight empty [kg]	34.6	35.4
Max. operating Pressure [bar]	10	
Thermal Liquid Capacity [lt]	1.41	2.04
Collector front Cover-Thickness	LOW IRON TEMPERED GLASS 3.2mm	
Insulation	40mm MINERAL WOOL, λ=0.035 [W/(mK)]	
Casing Material	ALUMINUM POWDER COATED	
Sealing Materials	POLYURETHANE - SILICON - EPDM	
Absorber Area [m ²]	1.86	1.86
Water-frame type/material/diameter	Harp type, copper, ø22 headers-ø8 risers	
Nr. Of risers	9	18
Absorber Material-Treatment	ALUMINUM / PVD COATING / HIGH SELECTIVE - A=0.95±0.02 / e=0.05±0.02	
Absorber construction Type	LASER	
Heat transfer Medium	POLYPROPYLENE OR TRIETHYLENE GLYCOL + WATER MIXTURE	
Tests and Certifications	SOLAR KEYMARK	
	EFFICIENCY VALUES BASED ON EN ISO 9806:2013 STANDARD (SKM10086)	
Efficiency η _{0,b}	For the VERA family: 0.771	For the VERA 2.72: 0.784
Thermal loss a ₁ (w/(m ² K))	For the VERA family: 3.59	For the VERA 2.72: 3.15
IAM (Kθ at 50°)	0.96	0.96
Thermal loss a ₂ (w/(m ² K ²))	For the VERA family: 0.014	For the VERA 2.72: 0.012
Stagnation temp. [°C]	190.5	190.5
η _{col}	For the VERA family: 60%	For the VERA 2.72: 63%



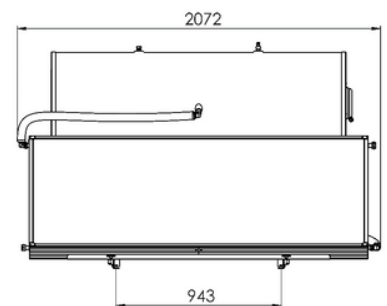
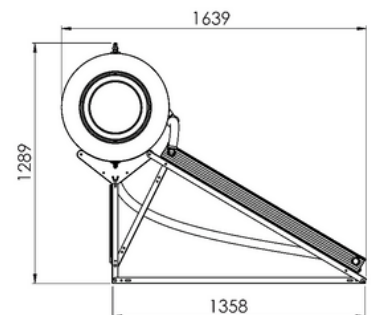
250GRT237H - SOLAR WATER HEATER

VERA



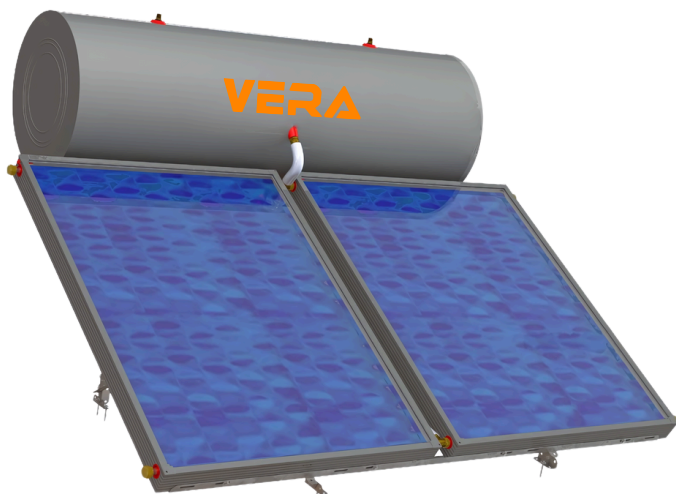
GRT-250H & V - COLLECTORS TECHNICAL DATA / SPECIFICATIONS

MODEL	2.37 V	2.37 H
Gross area [m ²]	2.37	2.37
Total Dimensions (mm) (L x W x H)	L: 1930 W: 1010 H: 86	L: 1230 W: 1930 H: 86
Weight empty [kg]	40.6	41.2
Max. operating Pressure [bar]	10	
Thermal Liquid Capacity [lt]	1.69	2.17
Collector front Cover-Thickness	LOW IRON TEMPERED GLASS 3.2mm	
Insulation	40mm MINERAL WOOL, $\lambda=0.035$ [W/(mK)]	
Casing Material	ALUMINUM POWDER COATED	
Sealing Materials	POLYURETHANE - SILICON - EPDM	
Absorber Area [m ²]	2.23	2.23
Water-frame type/material/diameter	Harp type, copper, $\varnothing 22$ headers- $\varnothing 8$ risers	
Nr. Of risers	11	18
Absorber Material-Treatment	ALUMINUM / PVD COATING / HIGH SELECTIVE - $A=0.95\pm 0.02$ / $e=0.05\pm 0.02$	
Absorber construction Type	LASER	
Heat transfer Medium	POLYPROPYLENE OR TRIETHYLENE GLYCOL + WATER MIXTURE	
Tests and Certifications	SOLAR KEYMARK	
	EFFICIENCY VALUES BASED ON EN ISO 9806:2013 STANDARD (SKM10086)	
Efficiency $\eta_{0,b}$	For the VERA family: 0.771	For the VERA 2.72: 0.784
Thermal loss a_1 (w/(m ² K))	For the VERA family: 3.59	For the VERA 2.72: 3.15
IAM (K θ at 50°)	0.96	0.96
Thermal loss a_2 (w/(m ² K ²))	For the VERA family: 0.014	For the VERA 2.72: 0.012
Stagnation temp. [°C]	190.5	190.5
η_{col}	For the VERA family: 60%	For the VERA 2.72: 63%



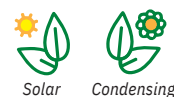
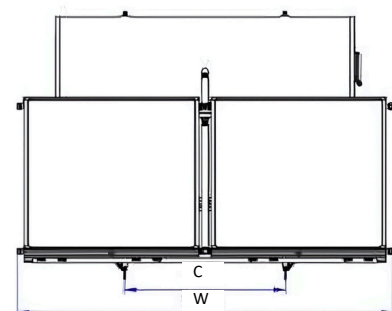
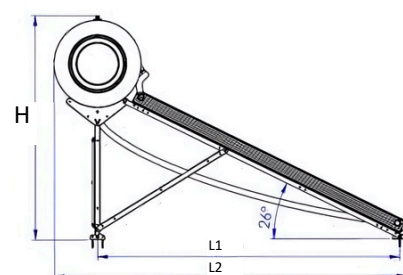
300BLTCMAX364 - SOLAR WATER HEATER

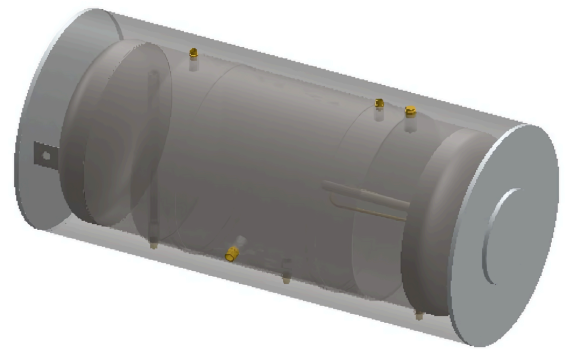
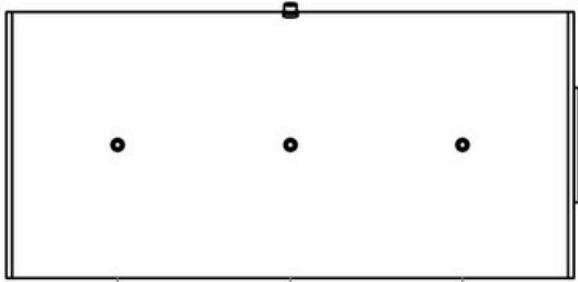
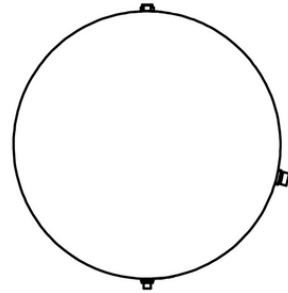
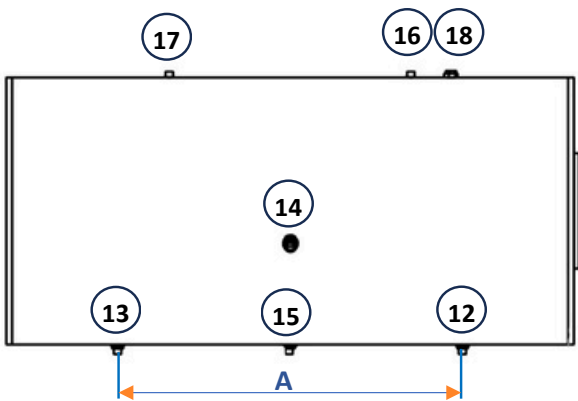
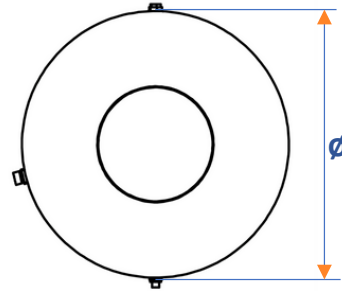
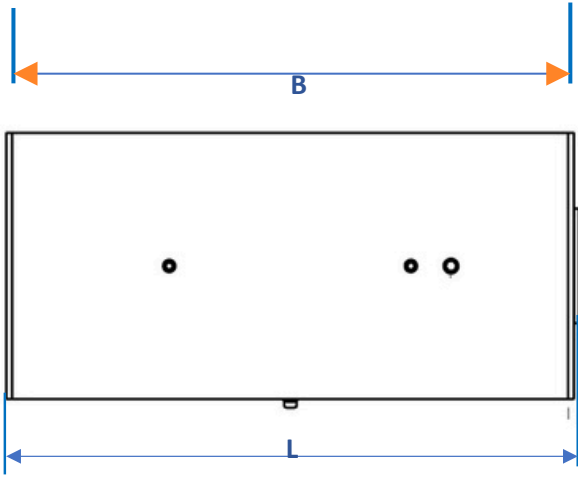
VERA



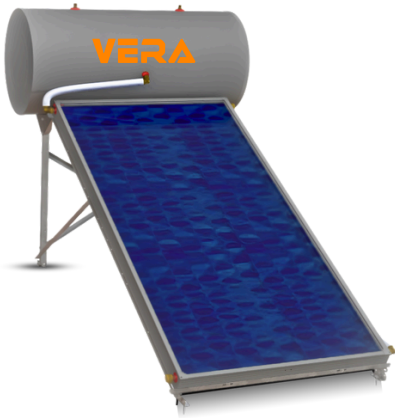
GRT-300H & V -COLLECTORS TECHNICAL DATA / SPECIFICATIONS

MODEL	2.72 V	2.72 H
Gross area [m ²]	2.72	2.72
Total Dimensions (mm) (L x W x H)	L: 2160 W: 1260 H: 86	L: 1260 W: 2160 H: 86
Weight empty [kg]	46.1	46.7
Max. operating Pressure [bar]	10	
Thermal Liquid Capacity [lit]	1.81	2.30
Collector front Cover-Thickness	LOW IRON TEMPERED GLASS 3.2mm	
Insulation	40mm MINERAL WOOL, λ=0.035 [W/(mK)]	
Casing Material	ALUMINUM POWDER COATED	
Sealing Materials	POLYURETHANE - SILICON - EPDM	
Absorber Area [m ²]	2.57	2.57
Water-frame type/material/diameter	Harp type, copper, ø22 headers-ø8 risers	
Nr. Of risers	11	18
Absorber Material-Treatment	ALUMINUM / PVD COATING / HIGH SELECTIVE - A=0.95±0.02 / e=0.05±0.02	
Absorber construction Type	LASER	
Heat transfer Medium	POLYPROPYLENE OR TRIETHYLENE GLYCOL + WATER MIXTURE	
Tests and Certifications	SOLAR KEYMARK	
	EFFICIENCY VALUES BASED ON EN ISO 9806:2013 STANDARD (SKM10086)	
Efficiency η _{0,b}	For the VERA family: 0.771	For the VERA 2.72: 0.784
Thermal loss α ₁ (w/(m ² K))	For the VERA family: 3.59	For the VERA 2.72: 3.15
IAM (Kθ at 50°)	0.96	0.96
Thermal loss α ₂ (w/(m ² K ²))	For the VERA family: 0.014	For the VERA 2.72: 0.012
Stagnation temp. [°C]	190.5	190.5
η _{col}	For the VERA family: 60%	For the VERA 2.72: 63%

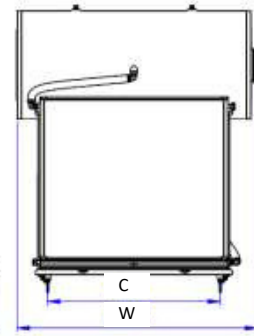
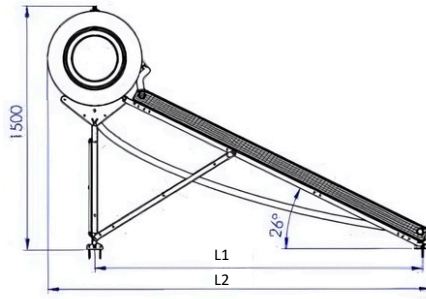




	DIMENSIONS				CONNECTIONS						
	Ø	L	B	A	12	13	14	15	16	17	18
200lt	580	1250	1230	900	½" M	½" M	¾" M	¾" M	½" M	½" M	¾" F
250lt	580	1530	1510	900	½" M	½" M	¾" M	¾" M	½" M	½" M	¾" F
300lt	580	1870	1850	1390	¾" M	¾" M	¾" M	¾" M	½" M	½" M	¾" F



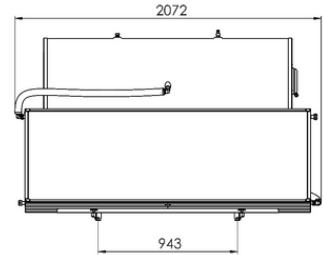
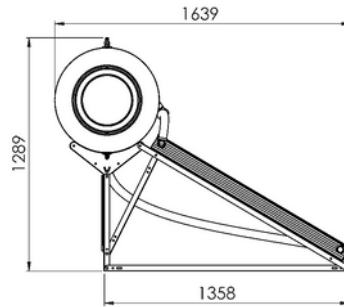
200BLTCMAX200



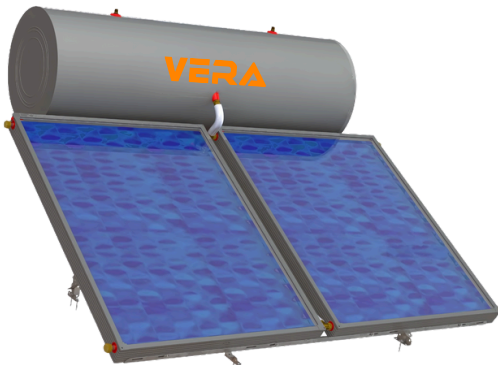
BLTCMAX series, type STK, tilt 26°



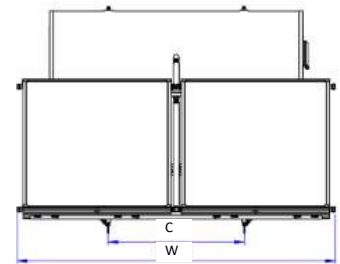
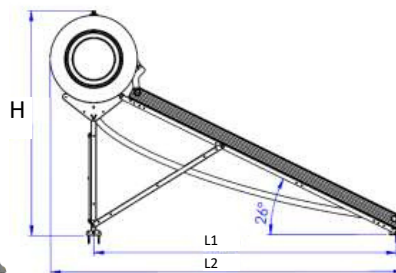
250GRT237H



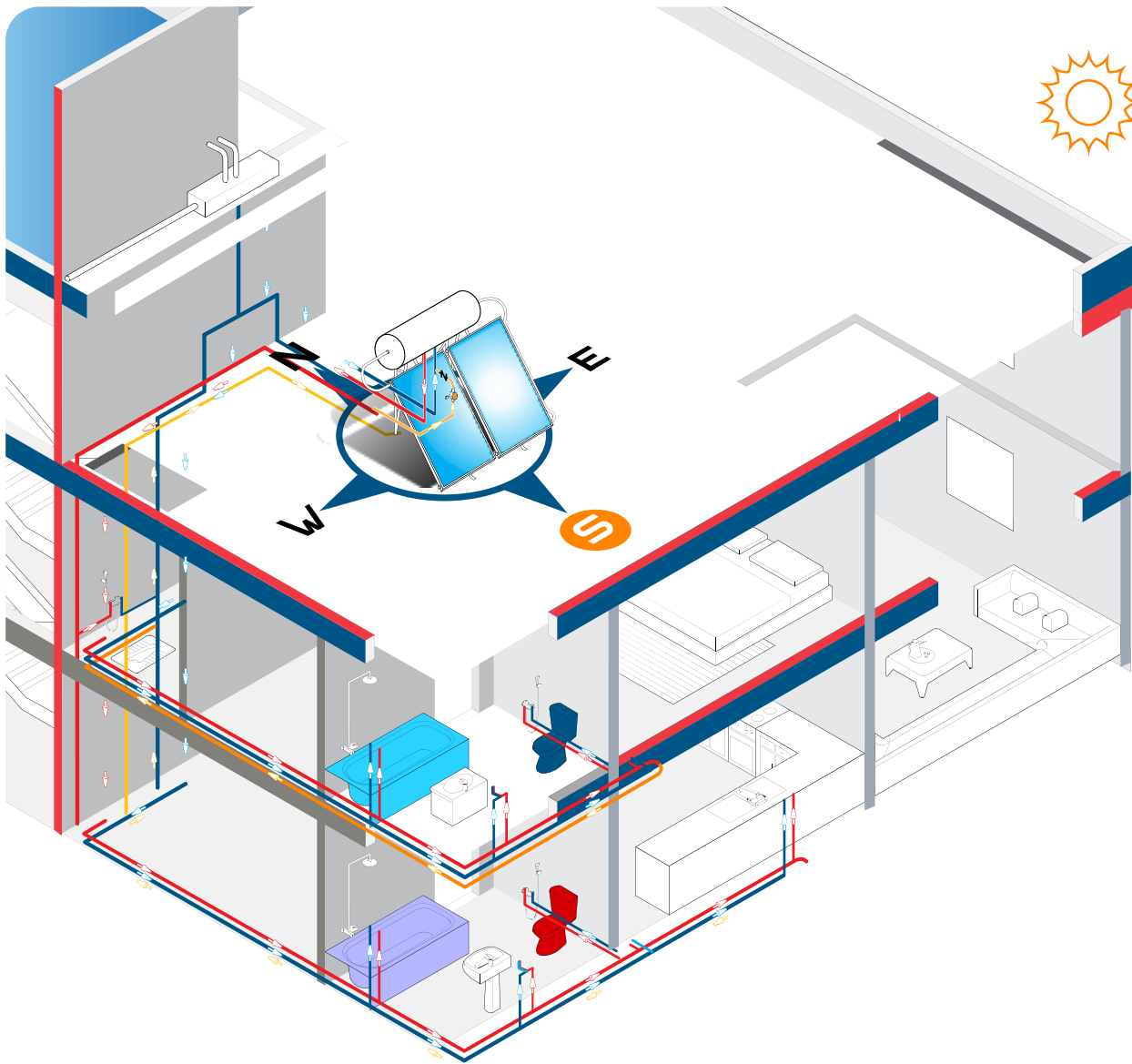
Support type STK, tilt 30°



300BLTCMAX364



BLTCMAX series, type STK, tilt 26°



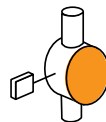
Hot Water Pipe
Hot water line
(Output from central heater)



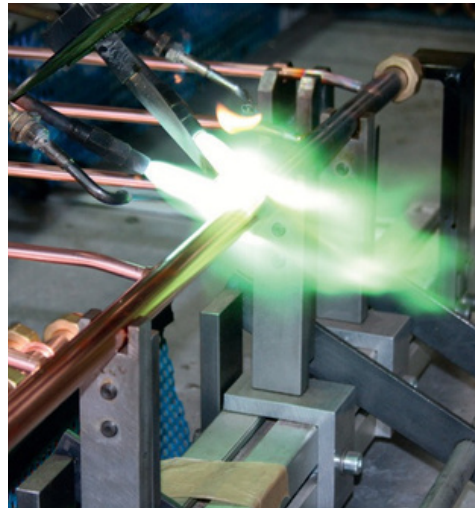
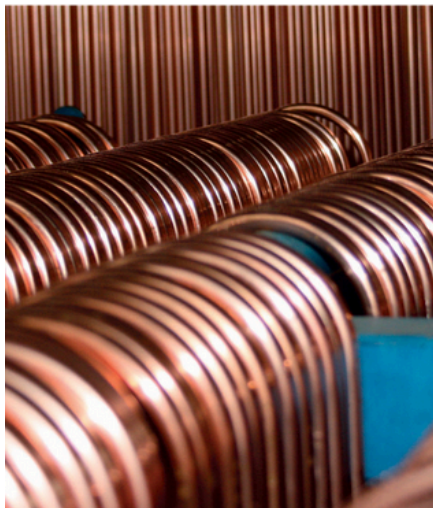
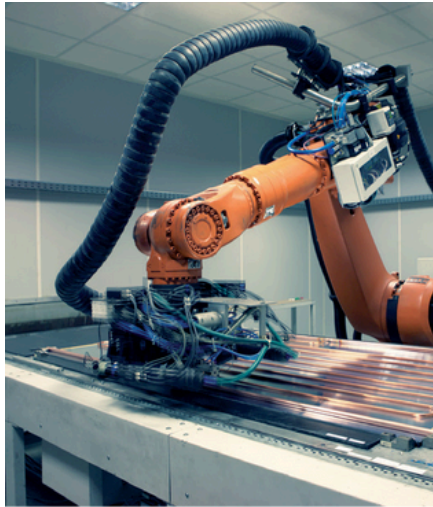
Water Return Pipe
Return water line to the heater
(When not using hot water)



Cold Water Pipe
Cold water line
(Inside the central heater)



Recycle Pump with Regulator
Water circulation pump



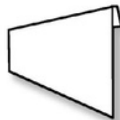
Accessories

Electrical back-up heater



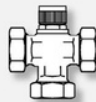
1.5, 2, 3, 4 kW depending on your needs, incl. thermostat

Front protection cover



Cover between tank and collector for elegant appearance

Thermostatic mixing valve



For even better performance and scalding protection

Antifreeze mixture



For overheating, corrosion and freeze protection

Safety valve t/p



For additional overheating protection, opens at 6 bar and 95°C

VERA

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