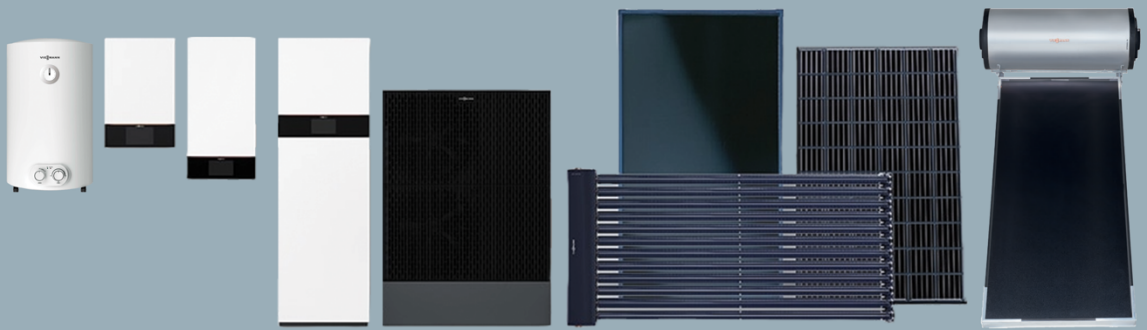




Residential Solutions

AUGUST 2025



Residential Solutions – Comfort for Every Home

At TERMODA, we believe every home deserves reliable, efficient, and sustainable energy. Our residential solutions are designed to meet the full range of household needs – from simple hot water supply to complete heating and cooling systems that combine modern technology with everyday convenience. Whether it's an apartment, a family villa, or a luxury residence, we provide tailored systems that ensure lasting comfort, lower operating costs, and long-term value.

Solar Thermal Systems

For households seeking sustainable hot water, solar thermal technology is a proven and cost-effective solution. By capturing the sun's energy, our systems deliver reliable hot water while reducing dependence on conventional electricity or gas. Advanced collector design ensures high efficiency even under challenging conditions, while hygienic storage tanks guarantee long service life. With options suited for small families as well as large villas, solar thermal systems make renewable energy part of everyday living.

Heat Pump Water Heaters

Heat pumps offer one of the most efficient ways to produce domestic hot water by extracting renewable energy from the air. This results in up to 70% lower electricity consumption compared to conventional electric heaters. Compact, quiet, and easy to install, heat pumps are well suited to new homes or renovations. With smart programming functions, they adjust automatically to usage patterns and can also integrate with solar PV, making them an eco-friendly choice for modern households.

Electric Water Heaters

For straightforward, everyday comfort, our electric storage water heaters combine durability with advanced safety. Protective coatings, corrosion resistance, and multiple safety devices ensure long life and reliable operation. From compact units for apartments to larger tanks serving family homes, these heaters provide consistent hot water with minimal maintenance. For added convenience, instant electric heaters are available, supplying hot water directly at the point of use with constant temperature control and anti-scald protection.

Hot Water Storage & Cylinders

Larger households often require greater storage capacity and flexibility. Our cylinders and buffer tanks are designed to work with a variety of energy sources including solar, heat pumps, and boilers. Built to the highest standards, they ensure hygienic hot water storage, high operating pressure, and dependable performance. With a wide range of capacities, they are ideal for villas, multi-family residences, and homes requiring consistent supply at multiple points.

Condensing Boilers

Our condensing boilers combine advanced technology with practical efficiency, making them ideal for residential and light commercial applications. By utilizing the heat contained in exhaust gases, they achieve seasonal efficiencies of up to 109% (Hi), significantly reducing fuel consumption and operating costs. Compact and quiet in design, they fit seamlessly into apartments, villas, or shared residential complexes. With robust stainless steel heat exchangers, intelligent combustion control, and connectivity for smart home integration, condensing boilers deliver reliable hot water and space heating while lowering emissions. Built for long service life and consistent comfort, they provide an economical and environmentally responsible solution for modern energy needs.

Boilers & Radiant Heating

Where central heating is needed, our residential boilers combine compact design with exceptional efficiency. Quiet operation, smart controls, and fuel-saving performance make them suitable for both small apartments and larger villas. For homes without access to gas, our electric boilers and radiant heating solutions provide an elegant alternative. Options include wall-mounted radiant panels, underfloor heating mats, and compact electric boilers that deliver clean comfort while blending seamlessly into living spaces.

Why TERMODA?

- ✓ Comprehensive range – hot water, heating, and renewable solutions.
- ✓ Full service: design, supply, installation, and after-sales support.
- ✓ Energy efficiency, safety, and durability at the core of every system.
- ✓ Tailored residential solutions for every type of home.

TERMODA – Where the World Meets Energy

Proud to be the official partner of Viessmann, bringing world-class residential energy solutions to the Middle East.

TERMODA & Viessmann: Advanced Energy Solutions for Residential and Commercial Markets

At TERMODA, we work in close cooperation with Viessmann, one of the world's leading names in heating and climate solutions, to bring advanced residential and commercial energy systems to the Middle East. This cooperation allows us to combine Viessmann's German-engineered products with our own expertise in system design, supply, installation, and service. Together, we deliver solutions that provide long-lasting comfort, efficiency, and sustainability for our customers

The logo for Viessmann, with 'VIESSMANN' in red capital letters. The 'S' is stylized with a vertical line through it.The logo for TERMODA, featuring a stylized blue 'T' with a small square above it, followed by the word 'ERMODA' in blue capital letters.



DOMESTIC HOT WATER & COMFORT HEATING FOR HOMES

Product Overview Residential



COMPANY

Viessmann Climate Solutions MEA

Since 2007, Viessmann Climate Solutions MEA, supported by its sales, technical, and training teams, has managed operations for the entire range of Viessmann products across the Middle East, Africa, and South Asia.



**We create living spaces
for generations to come.**



ABOUT VIESSMANN CLIMATE SOLUTIONS

Founded in 1917 as a heating technology manufacturer, and now part of Carrier, today we are one of the world's leading providers of efficient climate (heating, water and air quality) and renewable energy solutions. Creating living spaces for generations to come - this is the responsibility that we take on every day together with our (trade) partners.





TABLE OF CONTENTS

Viessmann brings you a range of products designed to deliver efficient, reliable, and sustainable domestic hot water and heating, with each product crafted to enhance everyday comfort and convenience. Explore how Viessmann's innovative range can bring efficiency and reliability to your home.



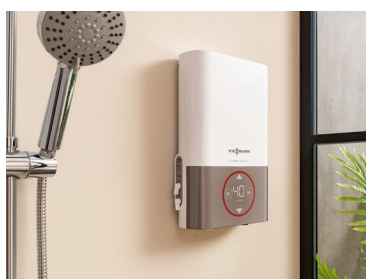
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The Viessmann Group

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Gas and electric residential domestic hot water & comfort space heating solutions

 TÜVRheinland®
ISO9001 ISO14001 ISO50001 ISO45001

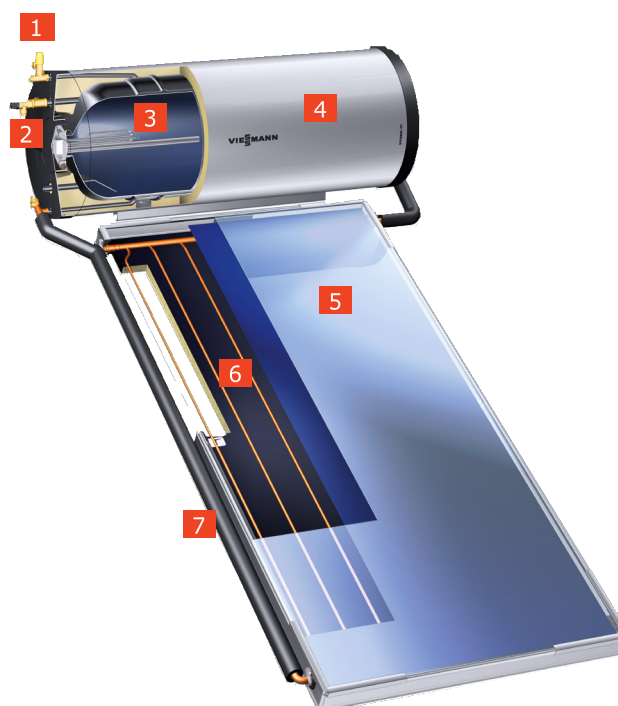
This brochure provides an overview of the Viessmann residential product range. Product specifications and availability may vary by region. For product technical information, refer to the respective product datasheets available at <https://vibooks.viessmann.com/>. All information is subject to change without notice.

Thermosiphon Solar System consisting of one or two flat collectors and a hot water storage tank



VITOSOL 111-F

- 1 Solar safety valve (3 bar) and air vent
- 2 Pressure and temperature safety valve (10 bar/90 °C)
- 3 Electric heating element (accessory) and magnesium anode
- 4 Double-jacket hot water storage tank made of steel with enamel coating
- 5 Flat collector with highly transparent solar glass and surrounding bent aluminum frame
- 6 Harp absorber with high-quality mineral wool insulation, designed for thermosiphon solar systems
- 7 Solar connecting pipes





Vitosol 111-F (Type TS2-ME) consists of one or two flat collectors with harp absorbers and selective coating, an insulated hot water storage tank made of steel with enamel coating, mounting stand, interconnecting pipes and safety devices for generation of domestic hot water (DHW).

The thermosiphon solar system is available in three versions:

- 150-liter hot water storage tank and 1 flat collector (2 m² absorber area)
- 200-liter hot water storage tank and 1 flat collector (2 m² absorber area)
- 300-liter hot water storage tank and 2 flat collectors (4 m² absorber area).

System separation for hygiene & long service life

The hot water storage tank is equipped with a double jacket for heat exchange between the potable water and the solar circuits.

Highlights

- + Flat collectors with a highly selective coating for efficient energy capture
- + Enamel-coated hot water storage tank for superior domestic hot water hygiene
- + Durable and reliable design featuring a closed solar circuit and corrosion-resistant materials
- + Pre-assembled components for quick and simple installation
- + Equipped with safety valve, air vent valve, and an optional P&T valve for complete operational safety
- + Electric heating element included for reheating in the storage tank
- + Double-jacket design in the hot water storage tank ensures optimal temperature layering and reduces mixing of hot and cold water, maintaining consistent hot water availability

The collector is connected to the double jacket of the storage tank via external, pre-insulated connecting pipes.

The flat collector absorbs solar energy, which in turn heats the heating medium. The heating medium is water, or then a water- glycol in regions prone to frost. It flows into the double jacket of the storage tank and transfers the heat to the potable water. The cooled solar fluid then flows back into the lower, cold part of the collector the cycle begins anew.

The heating and heated water is always separate. This ensures high standards of DHW hygiene and prevents scaling and corrosion and scaling.

Flexible Reheating

The hot water storage tank can optionally be equipped with an electric heating element (1.5/2/3 kW, 230 V). If there is no sunlight, this directly takes over the reheating of the hot water in the storage tank.

Product Features

- + Thermosiphon system with flat collectors and storage water heater for potable water heating
- + 150 L storage capacity with 2.0 m² absorber area
- + 200 L storage capacity with 2.0 m² absorber area
- + 300 L storage capacity with 4.0 m² absorber area
- + For flat roof and free-standing installation
- + For solar potable water heating with back electric heating
- + Permissible operating pressure: Potable water 10 bar (1 MPa)
- Solar circuit 3 bar (0.3 MPa)



Solar Keymark



Specifications

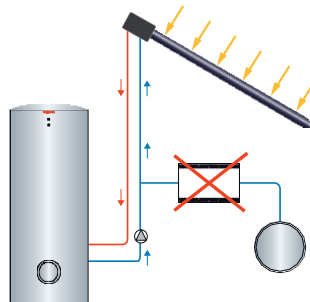
Vitosol 111-F	TS2-ME	TS2-ME	TS2-ME
Tank capacity	150	200	300
Collector Type	Selectively coated harp type	Selectively coated harp type	Selectively coated harp type
Absorber area	2.02 m ²	2.02 m ²	4.04 m ²
No. of collectors	1	1	2
Heat exchanger	Jacket type „tank-in-tank“	Jacket type „tank-in-tank“	Jacket type „tank-in-tank“
Insulation	40 mm hard PU foam	40 mm hard PU foam	40 mm hard PU foam
Tank Enameling	Acc. to DIN 4753-3	Acc. to DIN 4753-3	Acc. to DIN 4753-3
Corrosion protection	Mg anode	Mg anode	Mg anode
Safety	Solar safety valve. DHW P/T valve	Solar safety valve. DHW P/T valve	Solar safety valve. DHW P/T valve
Electric heater 230V	1.5 - 3.0 KW	1.5 - 3.0 KW	1.5 - 3.0 KW
Mounting	GI frame for flat roof	GI frame for flat roof	GI frame for flat roof



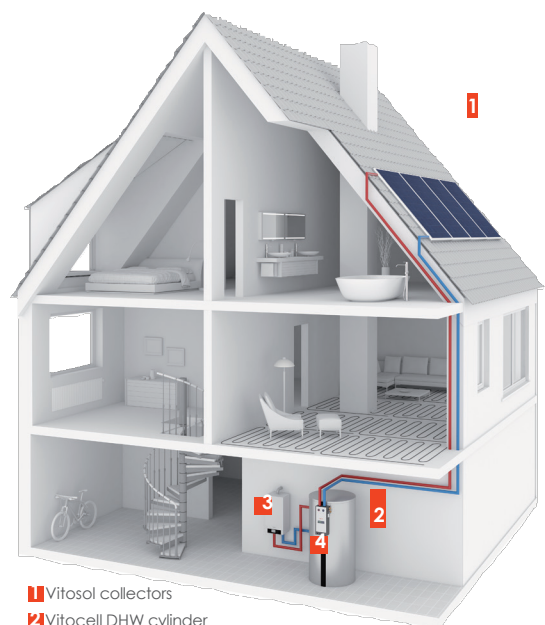


ThermProtect – Automatic collector shutdown

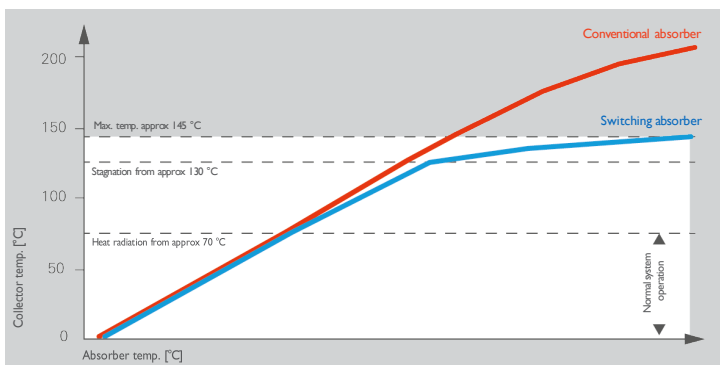
Vitosol-F flat plate Vitosol-T and vacuum tube collectors from Viessmann use patented Thermprotect® Switching Absorber. Up until the switching temperature, more than 95% of the incident solar energy is absorbed. Above the switching temperature, the crystalline structure of the absorber changes to increase the rate of radiation. In case of heat pipes, condensation of the heat transfer fluid stops. The collector output is reduced, as is the stagnation temperature and steam formation is avoided.



Matched system components for highly efficient solar system



- 1 Vitosol collectors
- 2 Vitocell DHW cylinder
- 3 Vitodens backup boiler
- 4 Vitosolic solar controller





Complete DHW systems with matched components

Vitosol solar DHW systems from Viessmann provide a complete solution for the sustainable production of domestic hot water. Featuring high-performance Vitosol solar collectors and perfectly matched components from a single source, including storage tanks, pump modules, electronic controllers, safety equipment, and mounting stands, these systems deliver outstanding efficiency, reliability & uptime to scale; as convenient packets designed to meet the needs of households ranging from 48 people, to custom designed systems integrating multiple heat generators for larger residential & commercial applications.

FEATURES AND BENEFITS

- + Vitosol high performance flat plate & vacuum tube collectors with Thermprotect
- + Vitosolic Versatile System Controllers to realize multivalent solar DHW systems for diverse applications
- + Vitocell Tanks: Designed for domestic hot water and heating water applications, available with or without in-built heat exchangers
- + Factory assembled Divicon circulation pump units Divicon
- + Complete range of system & safety accessories

VITOSOL DHW SYSTEMS



Vitosol System



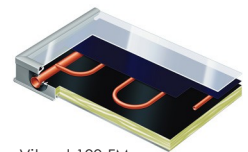
Powerful and durable solar flat plate collectors with ThermProtect

The high performance Vitosol 100 & 200-F flat plate collectors harness the energy of the sun to meet the requirements of domestic hot water (DHW), pool heating and even central heating backup. Available in vertical or horizontal configurations, solar thermal systems with Vitosol collectors and matched components are well suited for domestic, commercial and industrial applications. The Vitosol FM collectors are a "world's first" featuring Viessmann's patented switching absorber coating that prevents system overheating with no to minimal support from any external measures.

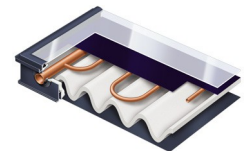
FEATURES AND BENEFITS

- + Highly selective coated absorber
- + Robust construction - permanently sealed all round alu, frame and impact resistant low iron solar glass
- + Meander-shaped absorber
- + Universally suitable for flat roof, in roof or facade - horizontal or vertical installation
- + Quick, secure attachment with flexible stainless-steel corrugated-pipe plug-in connectors
- + Thermprotect feature (FM range) avoids system overheating at high outdoor temperatures or during periods of low demand

VITOSOL 100/200-F/FM



Vitosol 100-FM



Vitosol 200-FM



Solar Keymark

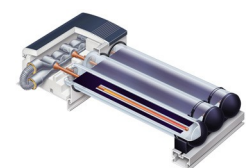
Heat pipe based highly efficient vacuum tube collectors with ThermProtect

In the Vitosol 200& 300-T, a heat transfer medium evaporates inside the heat pipe below the absorber and transfers the heat to the solar medium via the Duotec twin pipe heat exchanger. The heat pipe is self regulating; the ThermProtect feature prevents stagnation temperature. The absorber and the heat pipe are enclosed in vacuum enabling conversion of even low levels of insolation to useful energy. The Vitosol 200-T tube collector is ideally suited in demanding applications with critical space or aesthetic requirements and offers great installation flexibility.

FEATURES AND BENEFITS

- + Universal application - installation in any location, horizontal or vertical, from 0 to 90 degrees on rooftops, walls, or free-standing
- + Sustained high performance without risk of absorber surface contamination
- + Automatic temperature dependent shutdown with Thermprotect avoids system overheating
- + Dry connection - no contact between the process and heat transfer media; tubes can be replaced without system shutdown
- + Easy assembly through the Viessmann fixing system and corrugated stainless steel plug-in connectors

VITOSOL 200/300-TM



Vitosol 200/300-TM



Solar Keymark

The Vitocal 060-A / Sirac AXHW Heat Pump strikes the right balance between comfort, savings and ecology.



The Vitocal 060-A/Sirac AXHW DHW (domestic hot water) heat pumps is a cost-effective solution for both new buildings and renovations, replacing existing domestic hot water systems. It utilizes a heat pump that extracts energy from the air and converts it into heat for the stored water.

Hot Water in any condition

The Vitocal 060-A / Sirac AXHW provides DHW solely via the heat pump, reaching up to 65°C, and up to 70°C with electrical assistance (TOE and AXHW). It operates efficiently in ducted mode at outdoor temperatures as low as -5°C, and as high as 35°C for the Vitocal 060 and 43°C for the Sirac AXHW.

Balancing Economy, Ecology, and Comfort

DHW production without any greenhouse gas emissions, using clean & inexhaustible renewable energy: air. It saves up to 70% on electricity bills compared to an electric water heater. Intelligent control adapts DHW production as per demand.

Adapts to all installation conditions

The Vitocal 060-A / Sirac AXHW has compact tank diameters across the entire range from 80 to 300 L and front connections enabling easy installation in confined spaces. Operation on ambient air requires a minimum air volume of 20 m³.

The Vitocal 060-A T0E-ze is available with an enamelled tank while the Sirac AXHW is available with an enamel-coated and stainless steel tank options. Both feature an integrated steatite electric auxiliary heater that can be maintained without draining the tank. Additionally, the Vitocal 060-A is compatible with solar PV for self-consumption, making it an even more efficient and eco-friendly choice.

The Vitocal 060-A T0S-ze version is available with an additional built-in coil heat exchanger that can be connected to an external generator or solar thermal collectors for pre-heating. A steatite electric auxiliary heater can also be optionally fitted.



Intelligent control

The Vitocal interface is user-friendly and straightforward, featuring six programming modes to adapt to different requirements.

1. Auto => Comfort at all times
2. Eco => Only thermodynamic generation is active
3. Smart => The control system analyzes consumption cycles to anticipate needs
4. Night => Algorithm to meet RT2012 requirements
5. Boost => Forced start-up of heaters for rapid temperature rise
6. Vacations => For extended periods of absence, an hourly programming mode is also available.

Benefits

- + Installs with either outdoor air or ambient air
- + Uses HFO R1234ze or R290 low GWP refrigerant
- + Quiet operation, comparable to a household appliance
- + Intuitive and user-friendly control interface
- + Heats water up to 62°C with the heat pump, even at -5°C outdoor temperatures
- + Boost function for rapid hot water availability via the electric heater
- + Smart function adjusts hot water production to daily usage patterns
- + SmartGrid-compatible for photovoltaic system integration
- + Available also in 60 Hz version (Sirac AXHW only)



In combination with Solar PV



EU HP Keymark certified



Vitocal 060-A TOE-ze
Sirac AXHW
80 to 300 Litres

Vitocal 060-A
TOS-ze
251 Litres

VITOCAL 060-A/SIRAC AXHW

- 1 High-performance thermodynamic unit
- 2 Soundproofed fan
- 3 Large evaporator for efficient heat exchange and defrosting
- 4 Control module
- 5 Ceraprotect enamelled or stainless steel domestic hot water cylinder
- 6 Magnesium anode protection
- 7 Steatite electric heater
- 8 Coil heat exchanger (Vitocal 060-A TOS only)
- 9 Condenser outside the tank







Vitowell – comfort cube storage water heaters

CLASSIC

High quality - Durability - Safe

The VITOWELL Comfort Classic is a practical choice for everyday hot water comfort without compromise.

Feature

- + Precise temperature setting
- + Large magnesium anode for maximum tank corrosion protection.
- + Designed for quick and efficient heating
- + Double safety thermostats for overheating protection



Ceratech Technology
Cerach Technology® coating on water tank for long term use.



Electronic ELCB
For complete electrical leakage protection.



Compact Design



Temperature Regulation



IPX4



ABS



Nickel-Steel Heating Element



Double Safety Thermostats



High Density PU Insulation



Magnesium Anode



Fast Heating Time



Energy Saving



Strictest Standards



DELUXE

Smart control and maximum efficiency

The VITOWELL comfort Deluxe combines exceptional hot water comfort with enhanced features for a premium experience.

Feature

- + Easily adjustable digital temperature using a touch screen
- + Dual power option: fast, constant, and energy efficient warm-up time
- + Ceramic heating element for advanced corrosion protection
- + Double safety thermostats for overheating protection
- + Large magnesium anode for maximum tank corrosion protection
- + Programmable electronic timer for heating



Ceratech Technology
Cerach Technology® coating on water tank for long term use.



Soft Touch Display
With a nice touch screen display



Double Power Option
Independent heating element coated with Ceratech Technology® for fast, low-power heating.



Electronic Timer
Timing of hot water availability



Temperature Regulation



Ceramic Heating Element



Temperature LED



Electronic ELCB



Compact Design



IPX4



ABS



Double Safety Thermostats



High Density PU Insulation



Magnesium Anode



Fast Heating Time



Energy Saving



Strictest Standards



	10L	15L	30L
A (mm)	390	390	471
B (mm)	360	360	439
C (mm)	302	342	395

VITOWELL COMFORT CUBE	CLASSIC			DELUXE	
Product Description	Comfort C1 R10	Comfort C1 R15	Comfort C1 R30	Comfort D1 R15	Comfort D1 R30
Storage Capacity	10 Liter	15 Liter	30 Liter	15 Liter	30 Liter
Voltage	220V	220V	220V	220V	220V
Frequency	50Hz	50Hz	50Hz	50Hz	50Hz
Max Working Pressure	8 Bar	8 Bar	8 Bar	8 Bar	8 Bar
Max Working Temperature	75°C	75°C	75°C	80°C	80°C
Heating Element Material	Incoloy	Incoloy	Incoloy	Ceratech	Ceratech
Weight	6.8 Kg	7.6 Kg	12 Kg	7.6 Kg	12 Kg
Water proof casing	IPX4	IPX4	IPX4	IPX4	IPX4
ELCB Type	Electronic	Electronic	Electronic	Electronic	Electronic
LED Temperature Ready				Yes	Yes
Ceratech Heating Element				Yes	Yes
Temperature regulation	Knob	Knob	Knob	Digital	Digital
Double Heating Element				Yes	Yes
Digital Display / Regulation				Yes	Yes

All products, product specifications, and data are subject to change without notice in order to improve product reliability, functionality, or design.

Vitowell – Comfort Cylinders storage water heaters



Hot water for the entire house

The VITOWELL Comfort range of electric storage water heaters, with capacities ranging from 30 to 100 liters, is an excellent choice for providing hot water throughout your home. Durable, safe, and designed for high hot water comfort, this range is perfectly suited to meet a variety of domestic needs. The versatile design allows for easy installation, whether horizontally or vertically.

Features

- + Long lasting tank with corrosion-resistant Ti+ enamel coating
- + Large magnesium anode for superior corrosion protection
- + Flexible horizontal or vertical installation without adjustments
- + High performance stainless steel heating element with Ti enamel coating
- + Anti-bacterial water inlet and copper valve for enhanced hygiene
- + Advanced safety features: overheat protection, dry-heat prevention, and overpressure control
- + User-friendly indicators: Power ON and Heating ON for convenience

Vitowell – Comfort Cylinders

VITOWELL Comfort Cylinders water heater with large capacity is durable and safe, providing hot water comfort for everyone in the house.

Model	C2-VH 30	C2-VH 50	C2-VH 80	C2-VH 100
Capacity (L)	27	45		
Rated Power (W)	1500	1500		
Voltage (V)	220~240	220~240	220~240	220~240
Frequency (Hz)	50/60	50/60	50/60	50/60
Heating element	Ti enamelled stainless steel			
Dimensions DiaxH (mm)	340*593	385*711	385*1030	450*915
Net weight (Kg)	14.79	18.3	26.31	28.57
Temperature range (°C)	30-75	30-75	30-75	30-75
Max. Working pressure (Mpa)	0.75	0.75	0.75	0.75
Degree of protection	IPX4	IPX4	IPX4	IPX4
Energy efficiency rating	C	C	C	C
Indicators	Power ON & Heating ON			
Protection	Over heat, dry heat, over pressure			
MaxTemperature (°C)	101	100	100	360
Inner tank	Ti.+ enamelled			
Outer Cladding	SPCC			
Connection	Power cable 1.5 m (w/o plug)			
Mounting	Vertical / Horizontal hang mount			
Water Connection Size	G1/2			
Carton size (mm)	418*388*67	458*434*793	458*434*1125	528*498*997
Certification	Region specific			



شارة المطابقة الخليجية
Gulf Conformity Mark



Vitowell – Easy instant water heaters

CLASSIC

Simple and Safe Shower Comfort

The VITOWELL Easy Classic offers a reliable hot water comfort with anti-scald protection and stepless temperature control.



Mechanical ELCB
For complete electrical leakage protection.



Compact Design
Modern, space-saving design

Feature

- + Mechanical ELCB (optional)
- + Manual temperature setting
- + IP25 ABS waterproof body
- + Automatically switch off at 55°C
- + Shower kit included



Temperature Regulator



Anti Scald Protection



IP25



ABS



Energy Saving



Luxury Shower Accessories



Spray



Strictest Standards



Advanced and precise shower comfort

The VITOWELL Easy Deluxe offers memory mode for precise settings and ultimate comfort, with all safety features.



Mechanical ELCB
For complete electrical leakage protection



Constant Temperature
Constant temperature technology for user convenience



Memory Mode
2 temperature memories, easily set for family members



Soft Touch Display
With a nice touch screen display

Feature

- + Mechanical ELCB (optional)
- + Digital temperature control with touchscreen
- + Constant temperature control
- + Temperature preset memory mode
- + IP25 ABS waterproof body
- + Automatic switch off at 55°C
- + Shower kit included



Temperature Regulation



Temperature LED



Compact Design



Anti Scald Protection



IP25



ABS



Energy Saving



Luxury Shower Accessories



Spray



Strictest Standards



DELUXE



VITOWELL EASY	CLASSIC	DELUXE
Product Description	EASY C1	EASY D1
Voltage	-240V	-240V
Frequency	50Hz/60Hz	50Hz/60Hz
Min Inlet Water Pressure	0.1 Bar	0.1 Bar
Max Inlet Water Pressure	6 Bar	6 Bar
Min Water Flow Rate	2 Lit/min	2 Lit/min
Water Connection	G½"	G½"
Water proof casing	IP25	IP25
ELCB Type	Mechanical	Mechanical
Weight	1.7 Kg	1.7 Kg
Constant Temperature control	No	Yes
LED Temperature assistance	No	Yes
Smart Temperature regulation Knob	No	No
Digital Display / Regulation	No	Yes
Preset Temp. Memo function	No	Yes (2)
CE Certification	Yes	Yes

All products, product specifications, and data are subject to change without notice in order to improve product reliability, functionality, or design.

VITOTHERM EI

Instant Hot Water, Wherever You Need It.

Vitotherm EI electric water heaters provide reliable hot water instantly and, saving both energy and space. Designed for simple installation, these units fit easily under sinks or in bathrooms, making them ideal for homes or small businesses. Choose from models suited for single outlets or whole bathroom use, with advanced features like temperature control and anti-scald protection.



Vitotherm EI6



Vitotherm EI4



Vitotherm EI5

		Vitotherm EI4 Premium instantaneous water heater	Vitotherm EI6 Comfortable instantaneous water heater	Vitotherm EI5 Mini instantaneous water heater
Rated output power	kW	18/21/24	18/21/24	3.5 or 5.5
Rated voltage	V	3~/400	400	230
Rated current	A	26/30/35	26/30/35	15.2 or 23.9
Fuse protection	A	32/32/40	32/32/40	16 or 25
Temperature selection	°C	Settable 30 – 60	Settable 30 – 60	–
Start flow rate	l/min.	2.5	2.5	1.2 or 2.0
Flow rate ($\Delta t = 30\text{ K}$)	l/min.	8.7 – 11.6	8.7 – 11.6	1.7 or 2.7
Highest inlet water temp.	°C	60	60	25
Protection class		IP 25	IP 25	IP 25
Energy efficiency class		A	A	A
Dimensions				
Depth	mm	126	126	76
Width	mm	245	245	168
Height	mm	440	440	200
Features		Bare wire heating system, electronic control, temp. selection knob & display, anti-scald function	Bare wire heating system, electronic control, temp. selection knob	Bare wire heating system, simple hydraulic control

PRODUCT FEATURES

- + Comfortable, stable and quick hot water supply for domestic applications
- + Energy-saving as only the required amount of water is heated
- + Short pipe runs leads to additional energy savings and quick delivery of hot water at the point of use
- + Providing hot water to multiple user points possible, depending on product type
- + Mini instantaneous water heaters suitable for under or over-counter mounting



Vitocell & Energycell are an extensive range of cylinders for hygienic hot water and heating water buffer storage, for residential and commercial applications. The range includes storage-only cylinders, mono- and dual-mode hot water cylinders, combination cylinders, and heating water buffer cylinders. These are optimally matched with Viessmann solar collectors, boilers, and heat pumps to ensure a reliable and efficient DHW and/or heating system. Vitotrans 353 is a series of fully assembled plate heat exchanger units designed for the instantaneous production of domestic hot water without the need for storage.

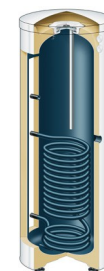
Steel hot water cylinders Energycell 050/Vitocell 100/ Energycell 100

Vitocell 100 / Energycell 050/100 made from steel with nano ceramic resin coating (Energycell 050) or Enamel / Ceraprotect enamel coating (Vitocell 100 / Energycell 100) are a hygienic and economical means of hot water storage for domestic & commercial applications. Viessmann offers one of the widest ranges of resin coated & enamelled storage cylinders for a variety of heat generators, from wall hang boilers and solar collectors to large boilers and heat pumps.

FEATURES AND BENEFITS VITOCCELL 100

- + High quality S235JR + N / P265GH steel, according to AD 2000, TRB 521 & 522
- + Capacities:
Energycell 050: Storage only from 1000 to 5000 L
Energycell 100/Vitocell 100: Storage only 500 L to 3000 L, with 1 or 2 Hex. coils from 120 L to 2000 L
- + Enamelling as per DIN 4753 part 3
- + Working pressure from 6 to 10 bar for cylinders and from 10 to 25 bar for coils
- + Moulded PU foam or removable fleece insulation depending on capacity, with polystyrene cladding. Other cladding options available on request

VITOCCELL 100 120 TO 3000 LTS



Vitocell 100- V

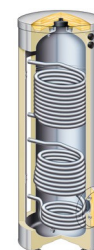
Stainless steel hot water cylinders Vitocell 300/Energycell 300

Vitocell 300 /Energycell 300 DHW cylinders, made from corrosion-resistant stainless steel that meet the most stringent hygiene standards. These cylinders, therefore find use in critical applications in kitchens, laboratories, hospitals, and food processing industries.

FEATURES AND BENEFITS VITOCCELL 300

- + AISI 316 L stainless steel storage tanks, according to AD 2000 and PED
- + Up to 5000 L as standard for storage, up to 2000 L as standard for 1 or 2 Hex. coils. Other capacities up to 15000 L on request
- + Working pressure up to 20 bar for cylinders and up to 25 bar for coils
- + Maximum working temperatures 95 °C for tank and 120 °C for coils. (200 °C with special seals)
- + Moulded PU foam or removable fleece insulation depending on capacity, with polystyrene cladding. Other cladding options on request.

VITOCCELL 300 UP TO 15000 LTS



Vitocell 300-B

Convenient and hygienic, instantaneous DHW generation

Vitotrans 353 is a range of fully assembled plate exchanger units for instantaneous production of domestic hot water (DHW), on demand and by using heating water from a Vitocell buffer tank. The buffer tank is heated by diverse heat generators using renewable energy and electricity, or oil/ gas. A constant outlet temperature is maintained through an in-built frequency controller that regulates the circulation pump, ensuring the volume flow matches the draw-off rate.

FEATURES AND BENEFITS VITOCCELL BUFFER

- + Completely assembled module with brazed PHE, controller and primary circulation pump
- + Easy integration with Vitocell buffer cylinder
- + Long life stainless steel PHE, copper or stainless steel soldered
- + Cascade up to 4 units, no additional controller necessary
- + No DHW storage - low maintenance and no legionella risk

VITOTRANS 353 25/48/68 L/MIN



Vitotrans 353 +
Vitocell 120-E





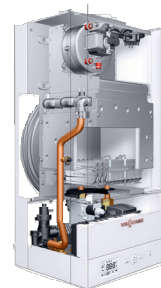
Efficient and affordable gas fired combi/system boiler.

With the Vitopend 100-W, Viessmann offers a wall mounted gas fired boiler with a particularly advantageous price/performance ratio, excellent heating and operating convenience, compact dimensions and a timeless, elegant design. The compact Vitopend 100-W can be fitted practically anywhere, in the kitchen, bathroom, attic, niches and corners, because service clearance is not necessary.

FEATURES AND BENEFITS

- + Central heating/combi boilers for balanced flue operation
- + Standard efficiency: up to 90.5% (Hs) / 94% (Hi)
- + Back lit digital display with push button controls
- + WLAN/Internet enabled (via accessory)
- + OpenTherm compatible
- + High DHW comfort
- + Particularly quiet, even suitable for installation in living spaces

VITOPEND 100-W 12 to 34 kW



Vitopend 100-W

Highly efficient gas condensing combi/system boiler.

The Vitodens range of highly efficient gas fired wall hang boilers are well suited to bring the benefits of condensing technology to homes, apartments all the way to commercial establishments. The Vitodens boilers are underpinned by Viessmann patented Matrix-Plus burners with Lambda Pro combustion control and inox radial stainless steel condensing heat exchangers. This guarantees unparalleled efficiency and fuel savings.

FEATURES AND BENEFITS VITODENS 050/100-W

- + Available as system or DHW combi boilers up to 32 kW for open or balanced flue operation
- + Suitable for natural gas & LPG (automatic gas type adaption). Certified H2 ready
- + Modulation 1:8 for Vitodens 050-W and 1:10 for Vitodens 100-W
- + Same output for heating and hot water
- + Standard seasonal efficiency up to 98% (Hs) / 109% (Hi)
- + All new control platform with black panel touch screen control. Built in WiFi
- + Convenient control of direct (050 & 100-W) or mixed (100-W only) heating circuits
- + Maintenance access from the front, no need for space on the sides
- + DHW and heating control using the ViCare app (Where available)
- + Energy efficiency rating class A

VITODENS 050/100-W 3.2 to 32 kW



Vitodens 050-W



Vitodens 100-W

VISSMANN
ONE BASE

Electric boiler for DHW and heating

Practical and safe, the Vitotron uses electricity to provide heating and domestic hot water. Installing is easy without the need for a gas connection, chimney, boiler room or fuel store - just plug power in. The automatic controller VNM3 ensures effective heating and DHW production with 99,4% efficiency. The Vitotron can be used as a primary or a back up heat generator. With it's attractive design and size, the Vitotron can be installed practically anywhere, including living spaces.

FEATURES AND BENEFITS VITOTRON

- + Water temperature setting range between 20 and 85 °C
- + Automatic heating output modulation
- + Automatic output adjustment by weather compensated control
- + Daily and weekly heating cycle programming on controller itself

VITOTRON 4 TO 24 KW



Vitotron 100

Electric radiant heating panels and underfloor heating mats

The EI series of radiant heating panels can be used as a sole or complementary source of heat. On offer are flexible installation options and different surface finishes to match living space interiors. Key features are the high radiant effect, two safety temperature limiters, insulated backing, maintenance-free operation, and no magnetic field.

The EF series of electric heating mats are used where warmth is required quickly, typically where central heating is not required or not feasible. Applications include providing underfloor warmth in bathrooms and kitchens. The mats can be easily installed as a floating substrate for a variety of floor types.

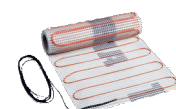
FEATURES AND BENEFITS VITOPLANAR

- + Decentralised heating for bathrooms, kitchens and hallways
- + Quick and straightforward installation
- + Supplied with thermostat and all connection & safety kit
- + EI radiant panels available in glass and mirror finishes. Possibility to customise with own artwork (some models, on request)
- + EF underfloor mats suitable for ceramic, laminate or parquet floors, suitable for open showers

VITOPLANAR 450 TO 1275 W



Vitoplanar EI2



Vitoplanar EF2

Specifications - Vitoplanar



Vitoplanar built-in on-off thermostat with touch screen (wired solution)

Vitoplanar	EI2 A450/700 MH	EI6 A325/700/900 SDMH	EF2
RATED POWER	450/700 W	325/700/900 W	150 W/m ²
DIMENSIONS	630 x 900 mm (450W) 630 x 1300 mm (700W)	593 x 593 mm (325W) 593 x 1193 mm (700W) 593 x 1550 mm (900W)	500 x 2000 mm (150W) 500 x 4000 mm (300W) 500 x 6000 mm (450W) 500 x 8000 mm (600W) 500 x 11500 mm (860W) 500 x 13500 mm (1000W) 500 x 17000 mm (1275W)
HIGHLIGHTS	- Pleasant infrared heat dissipation - Mirror surface - Vertical and horizontal mounting - 1 m power cable with plug	- Pleasant infrared heat dissipation - White (RAL 9016) surface - Vertical and horizontal mounting - Ceiling recessed mounting - 1 m power cable with plug	- 2,7 mm thickness - One connection cable (two-core) - Suitable for wet area use - Suitable for renovation & new build - Compatible with many floor types
OPTIONAL ACCESSORIES	- Vitoplanar wireless room thermostat - Vitoplanar radio receiver - Vitoplanar built-in on/off thermostat with touch screen - Vitoplanar flush mounted radio receiver - Vitoplanar plug-in radio receiver	- Vitoplanar wireless room thermostat - Vitoplanar radio receiver - Vitoplanar built-in on/off thermostat with touch screen - Vitoplanar flush mounted radio receiver - Vitoplanar plug-in radio receiver	- Vitoplanar built-in on/off thermostat with touch screen (wired)

Technical information for most products is available on <https://vibooks.viessmann.com/>. Information subject to change without notice.



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