

OSO

HOTWATER



WATER HEATERS
01-2022



WHAT WE OFFER

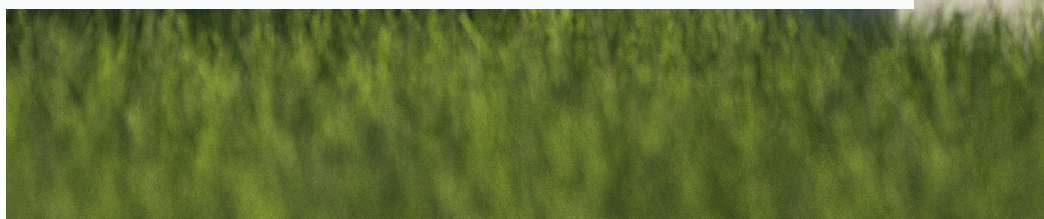
Quality

For more than 50 years we've perfected the stainless steel water heater. The ideal combination of premium materials, automated manufacturing, and intelligent solutions makes our products last longer.

Efficiency

We design for minimum heat loss and maximum energy efficiency, without compromise, making your heating system cost-efficient.

It's all we do.





KEY ADVANTAGES

Our stainless steel water heaters are in a class of its own when it comes to lifetime economy. Made in Norway by the family business OSO Hotwater since 1932.



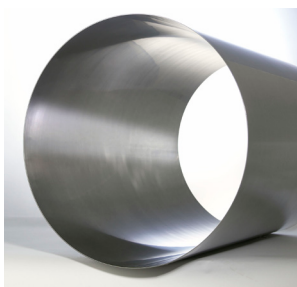
MORE HOT WATER

Substantially higher temperature (70°C+), highly efficient mixing valve (no scolding), minimal heat loss and optimal design features gives up to 20 % more hot water and class leading capacity.



PRO INSULATION

The use of NANOPUR™ with insulation values far surpassing Pentane, often in combination with VACUUM panels, ensures minimum heat loss and class leading energy efficiency.



STRONGER

EVERLAST™ titanium alloyed stainless steel in combination with OSO's unique ULTRAWELD™ system and state-of-the-art passivation process equals class leading corrosion resistance.



LIGHTER

EVERLAST™ titanium alloyed, high tensile strength, stainless steel equals lower weight and efficient use of resources. OSO products are more than 40 % lighter than enameled products.



BUILT TO LAST

INCOTEC™ el. immersion heaters with ultra high-grade Incoloy 825 stainless, DZR brass, zinc-free soldering and carefully calculated surface loads results in maximum durability in hard water.

CONTENTS



SAGA

SAGA	S.....	8
SAGA XPRESS.....	SX.....	9
SAGA INDUSTRIAL	SI.....	10
SAGA COIL	SC.....	11



NANO VERSA

NANO	N.....	12
VERSA.....	V.....	13



WALLY

WALLY - with mixing valve	W.....	14
WALLY - Integrated mix valve.....	W.....	15



OPTIMA

OPTIMA COIL.....	OC.....	17
OPTIMA GEOCOIL.....	OGC.....	18



DELTA

DELTA COIL.....	DC.....	20
DELTA GEOCOIL	DGC.....	21
DELTA TWINCOIL.....	DTC.....	22



MAXI

MAXI	M.....	24
MAXI STANDARD.....	MS.....	25
MAXI XPRESS.....	MX.....	26



MAXI COIL

MAXI COIL.....	MC.....	27
MAXI GEOCOIL.....	MGC.....	30



MAXI ACCU

MAXI ACCU	MA.....	31
-----------------	---------	----

TECH

IMPORTANT FACTORS ABOUT CORROSION....	34
WARRANTY CONDITIONS.....	35

EUROPE'S LEADING MANUFACTURER OF STAINLESS STEEL

THE FOUNDATION

Founded in 1932 by Mr. Braathen, a black-smith and air force lieutenant, OSO was the first manufacturer of water heaters in Norway. After merely 10 years in operation more than 100 people worked at OSO. His inventiveness led to the creation of Europe's very first stainless steel water heater in 1965. Since then, more than 4 million OSO heaters has found their way to European homes.

G

EEL WATER HEATERS

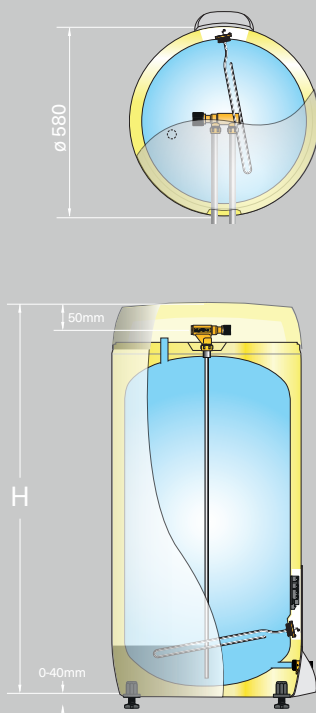
THE FUTURE

Today, OSO Hotwater is still a family business after three generations of hard work. Dedicated to improving our products and processes, we are proud to represent the most robotized manufacturing plant in Norway. The pioneering spirit continues with product innovations featuring inte-grated solutions, ground-breaking material technology and added value for our customers.

SEE THE PRODUCTS [!\[\]\(c3d993ca47bfe2a953c700506ce31fa0_img.jpg\)](#)

SAGA - S

Unbeatable performance and pioneering design



ADVANTAGES

SAGA DESIGN	All connections hidden
NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
SOLAR-READY	Separate solar connection

COMPONENTS

Mixing valve	Adjustable 45-80°C - Preset 55°C - 15 mm
Thermostat	Adjustable 60-90°C - Preset 75°C
Safety valve	9 bar - 3/4" to drain
El. power cable	Including plug (earth) - 3 m.
Appliance feet	Adjustable - Factory mounted

SAGA series can be installed anywhere thanks to its pioneering design features, covering all pipings and connections. SAGA has been developed with high grade material selection and intelligent technical solutions exclusive to OSO. SAGA boasts class-leading insulation capabilities resulting in considerable energy savings, while maintaining a higher temperature than others (70 °C) for unbeatable performance and more hot water in a smaller unit.

SAGA—S is suitable for most hot water requirements and comes standard with ultra-grade INCOTEC immersion heater as well as SOLAR option. OSO SOLAR kit (add-on) connects to a separate 1/2" connection, in combination with solar collectors. Alternatively, this can be useful as hot water circulation or as direct hot water draw-off connection. SAGA is also available with OSO iQ-CONTROL which lowers tank temperature during period with low consumption, resulting in considerable energy savings. Adjustable hot water draw-off temperature (prevents scalding) to the taps is ensured by the factory fitted UX mixing valve with maximum water flow rate of 0,7 L/s.

WHY CHOOSE SAGA?

- Reduce heat loss by 300 kWh*/year with NANOPUR*
- Higher temperature and optimal design gives up to 20 % more hot water

*Compared to 200 L cylinder with EPS insulation

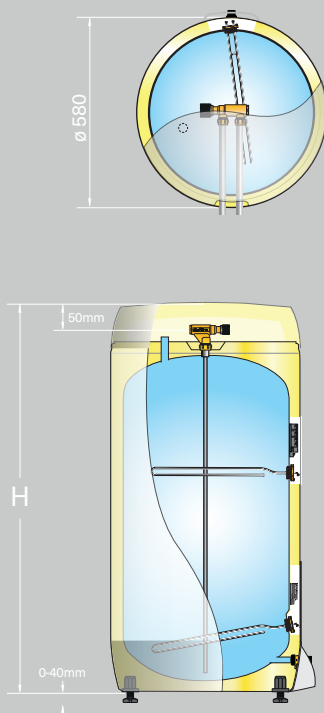
TECHNICAL DATA

ErP RATING B/C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m ³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
80 804 551	S 120 - 2kW/1x230V	2,5	29	ø580x 890	0,32	190	-	40	70	-	B	-
80 804 552	S 150 - 2kW/1x230V	2,5	33	ø580x 950	0,37	251	-	47	70	-	B	-
80 804 554	S 200 - 2 kW/1x230V	3,5	39	ø580x1260	0,47	355	-	66	70	-	C	-
80 804 555	S 250 - 2kW/1x230V	4,5	44	ø580x1470	0,56	378	-	73	70	-	C	-
80 804 556	S 300 - 3 kW/1x230V	5,5	51	ø580x1710	0,63	539	-	86	70	-	C	-

SAGA XPRESS – SX

Hot water 3 x faster than standard hot water tanks



ADVANTAGES

SAGA DESIGN	All connections hidden
NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
XPRESS	Twin heaters with flip-flop
SOLAR-READY	Separate solar connection

COMPONENTS

Mixing valve	Adjustable 45-80°C - Preset 55°C - 15 mm
Thermostat	Adjustable 60-90°C - Preset 75°C
Safety valve	9 bar - 3/4" to drain
El. power cable	Including plug (earth) - 3 m.
Appliance feet	Adjustable - Factory mounted

SAGA series can be installed anywhere thanks to its pioneering design features, covering all pipings and connections. SAGA has been developed with high grade material selection and intelligent technical solutions exclusive to OSO. SAGA boasts class-leading insulation capabilities resulting in considerable energy savings, while maintaining a higher temperature than others (75 °C) for unbeatable performance and more hot water in a smaller unit.

SAGA XPRESS—SX is suitable for households with considerable hot water demands and limited space for installation. SX makes hot water available 3 × faster than standard hot water tanks, without increased energy consumption thanks to flip-flop function between the immersion heaters. SX increases performance, saves installation space and comes standard with ultra-grade INCOTEC immersion heaters as well as SOLAR option. OSO SOLAR kit (add-on) connects to a separate ½" connection, in combination with solar collectors. Alternatively, this can be useful as hot water circulation or as direct hot water draw-off connection. Adjustable hot water draw-off temperature (prevents scalding) to the taps is ensured by the factory fitted UX mixing valve with maximum water flow rate of 0,7 L/s.

WHY CHOOSE SAGA?

- Reduce heat loss by 300 kWh*/year with NANOPUR*
- Hot water 3 x faster than standard hot water tanks
- Higher temperature and optimal design gives up to 20 % more hot water

*Compared to 200 L cylinder with EPS insulation

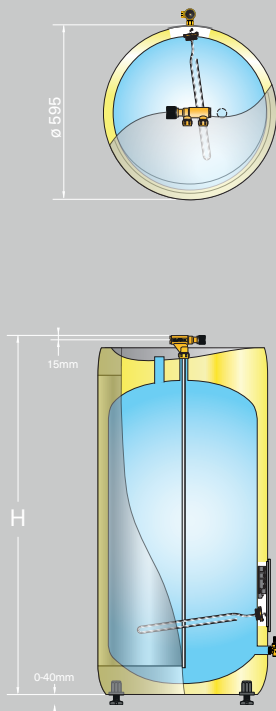
TECHNICAL DATA

ErP RATING B/C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m ³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0652	SX 150 - 2+(2)kW/1x230V	3,0	31	ø580x1010	0,37	251	-	53	75	-	B	-
800 0654	SX 200 - 3+(3)kW/1x230V	3,5	39	ø580x1260	0,47	355	-	65	75	-	C	-
800 0656	SX 300 - 3+(3)kW/1x230V	5,5	51	ø580x1710	0,63	539	-	85	75	-	C	-

SAGA Industrial – SI

Extra high corrosion resistance - for tough environments



ADVANTAGES

SAGA DESIGN	Elegant and functional
NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
CASING	Extra corrosion protection

COMPONENTS

Mixing valve	Adjustable 45-80°C - Preset 55°C - 15 mm
Thermostat	Adjustable 60-90°C - Preset 75°C
Safety valve	9 bar - 3/4" to drain
El. power cable	Including plug (earth) - 3 m.
Appliance feet	Adjustable - Included

SAGA series can be installed anywhere thanks to its pioneering design features, covering all pipings and connections. SAGA has been developed with high grade material selection and intelligent technical solutions exclusive to OSO. SAGA boasts class-leading insulation capabilities resulting in considerable energy savings, while maintaining a higher temperature than others (75 °C) for unbeatable performance and more hot water in a smaller unit.

SAGA INDUSTRIAL - SI has a prepainted outer casing with corrosion resistance C5 according to ISO 9223 for tough environments in agriculture or similar applications. The stainless steel design also makes the DI fit seamlessly in modern environments. SI comes standard with ultra-grade INCOTEC immersion heater providing a higher temperature than others (75 °C) for unbeatable performance and more hot water in a smaller unit.

WHY CHOOSE SAGA INDUSTRIAL?

- Reduce heat loss by 350 kWh*/year with NANOPUR*
- Higher temperature and optimal design gives up to 20 % more hot water
- C5 corrossion rating on the outer casing
- 5 year warranty on the stainless steel pressure tank

**Compared to 200 L cylinder with EPS insulation*

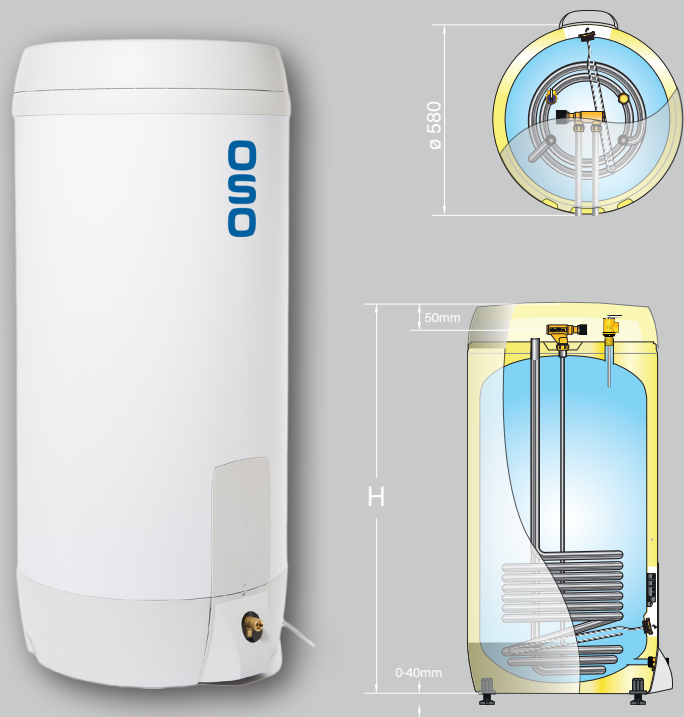
TECHNICAL DATA

ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0402	SI 200 - 3 kW/3x400V / 3kW/1x230V	3,5	39	ø595x1260	0,47	355	-	66	75	37	C	XL
800 0404	SI 300 - 3 kW/3x400V / 3kW/1x230V	5,5	51	ø595x1710	0,63	539	-	96	75	37	C	XL

SAGA COIL – SC

The ultimate hot water cylinder for boilers



ADVANTAGES

SAGA DESIGN	All connections hidden
NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
ECO-HOTWATER	DHW from alternative energy

COMPONENTS

Mixing valve	Adjustable 45-80°C - Preset 55°C - 15 mm
Thermostat	Adjustable 60-90°C - Preset 75°C
Safety valve	TP 10 bar / 99°C - 3/4" to drain
El. power cable	Including plug (earth) - 3 m.
Appliance feet	Adjustable - Factory mounted
Coil connection	2 x 3/4" female BSP threads

SAGA series can be installed anywhere thanks to its pioneering design features, covering all pipings and connections. SAGA has been developed with high grade material selection and intelligent technical solutions exclusive to OSO. SAGA boasts class-leading insulation capabilities resulting in considerable energy savings, while maintaining a higher temperature than others (75 °C) for unbeatable performance and more hot water in a smaller unit.

SAGA COIL—SC is custom-made for boilers or other high temperature energy sources up to 25 kW (Δt 50°C), with the smooth piped, scale-resistant heating coil. SAGA COIL in combination with boiler provides massive capacity, and hot water will almost always be instantly available. SAGA COIL comes standard with ultra-grade INCOTEC immersion heater as back-up, as well as sensor pocket, temperature & pressure relief valve for added safety and dedicated drain valve. All connections and valves on top of the unit makes for seamless installation. Adjustable hot water draw-off temperature (prevents scalding) to the taps is ensured by the factory fitted UX mixing valve with maximum water flow rate of 0,7 L/s.

WHY CHOOSE SAGA COIL?

- Reduce heat loss by 300 kWh*/year with NANOPUR*
- Custom-made for boilers with electric back-up heater

**Compared to 200 L cylinder with EPS insulation*

TECHNICAL DATA

ErP RATING B/C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0952	SC 150 - 3kW/1x230V+HX 0,8m²	3,0	31	ø580x1010	0,37	251	-	52	Kjel ≤ 25kW	-	B	-
800 0954	SC 200 - 3kW/1x230V+HX 0,8m²	3,5	39	ø580x1260	0,47	355	-	64	Kjel ≤ 25kW	-	C	-
800 0956	SC 300 - 3kW/1x230V+HX 0,8m²	5,5	51	ø580x1710	0,63	539	-	84	Kjel ≤ 25kW	-	C	-

NANO – N

Point of use water heater with full capacity in 8 minutes



ADVANTAGES

NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water

COMPONENTS

Thermostat	Adjustable 40-70°C - Preset 65°C
Safety valve	9 bar - 3/4" to drain
El. power cable	Including plug (earth) - 2,5 m.
Wall mount	Stainless steel - included

NANO—N is ideal as a point of use unit where central heating is located at a distance. NANO fits easily under sink, and can be installed both vertically and horizontally. Capacity is 12 L 40°C hot water—more than adequate for hand wash, kitchenettes or similar demands.

NANO comes standard with 3 kW ultra-grade INCOTEC immersion heater. The unit is ready for use after just 10 minutes, with a capacity of 75 L 40°C hot water / hour. NANO can be fitted anywhere due to its modest size, and wall bracket as well as safety valve is included.

WHY CHOOSE NANO?

- Perfect for point-of-use installations or limited hot water needs
- 75 L 40°C/hour, fully charged after only 10 minutes

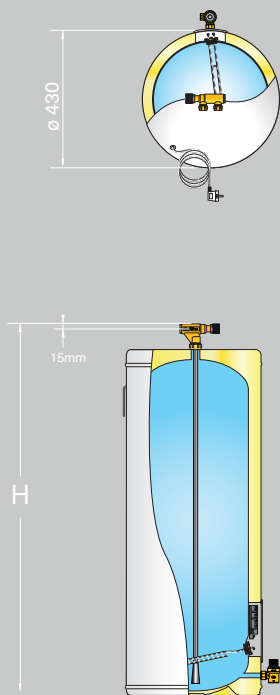
TECHNICAL DATA

ErP RATING B

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0051	N 5 - 3kW/1x230V	0,5	12	200x235x500	0,035	6	499	12	65	37	A	XXS

VERSA - V

Slim diameter and versatile installation on floor or wall



ADVANTAGES

SAGA DESIGN	All connections hidden
NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water

COMPONENTS

Mixing valve	Adjustable 45-80°C - Preset 55°C - 15 mm
Thermostat	Adjustable 50-75°C - Preset 65°C
Safety valve	9 bar - 3/4" to drain
El. power cable	Including plug (earth) - 2,5 m.
Wall mount	Stainless steel - included

VERSA—V will fit into compact spaces due to its 430 mm. diameter, and can be mounted floorstanding or fixed to wall (wall bracket included / adjustable feet not included). VERSA can also be fitted under the kitchen sink. VERSA's slim design ensures optimal stratification of hot- and cold water, and the units boasts high performance.

To comply with the ErP directive, the thermostat is factory set at 65 °C for 70/90/120 L (70 °C for 30/50 L), but an increase in capacity is easily done by adjusting the thermostat to 75 °C. Adjustable hot water draw-off temperature (prevents scalding) to the taps is ensured by UX mixing valve with maximum water flow rate of 0,7 L/s.

WHY CHOOSE VERSA?

- Reduce heat loss by 150 kWh*/year with NANOPUR*
- Slim diameter and versatile installation on floor or wall
- 5 year warranty on the stainless steel pressure tank

**Compared to 100 L cylinder with EPS insulation*

TECHNICAL DATA

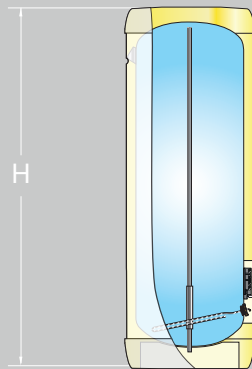
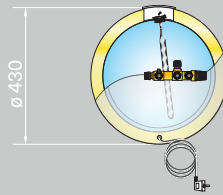
ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0361	V 30 - 2kW/1x230V	1,0	11	435x 549	0,12	48	568	25	60	33	C	S
800 0362	V 50 - 2kW/1x230V	1,5	15	435x 704	0,16	57	1 351	35	60	38	C	M
800 0364	V 100 - 2kW/1x230V	2,0	25	435x 1243	0,3	110	2744	52	60	37	C	L
800 0366	V 150 - 2kW/1x230V	2,5	39	435x1719	0,4	186	2 760	70	60	37	C	L

Subject to changes without notice

WALLY - W

Slim diameter and connections underneath - with adjustable mixing valve



ADVANTAGES

NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
SPLASHPROOF	Splash proof with IP grade 44
WALL + FLOOR	Both options possible

COMPONENTS

Mixing valve	Adjustable 45-80°C - Preset 55°C - 15 mm
Thermostat	Adjustable 60-90°C - Preset 60/70°C
Safety valve	9 bar - 3/4" to drain
El. power cable	Including plug (earth) - 2,5 m.
Wall mount	Included

WALLY—W will fit into compact spaces due to its 430 mm. diameter, and is designed to be fitted to wall or alternatively as a floor standing unit with all connections underneath the unit. WALLY's slim design ensures optimal stratification of hot- and cold water, and WALLY boasts high performance, as well as IP class 44 for splash-proof installation.

To comply with the ErP directive, the thermostat is factory set at 60 °C for 80/100 L and 70 °C for 30/50 L. An increase in capacity is easily done by adjusting the thermostat to 75 °C. This model comes fully equipped with a factory fitted mixing valve with adjustable hot water draw-off temperature (prevents scalding) to the taps, as well as stop-valve.

WHY CHOOSE WALLY+MIX?

- Reduce heat loss by 150 kWh*/year with NANOPUR*
- Mixing valve factory fitted
- Can be both wall mounted and floor standing with IP class 44
- 5 year warranty on the stainless steel pressure tank

*Compared to 100 L cylinder with EPS insulation

TECHNICAL DATA

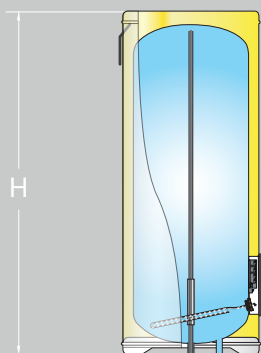
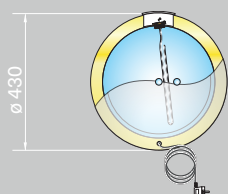
ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
20017551	W 30 - 2 kW/1x230V + MIX	1,0	11	435x542	0,1	34	520	25	70	36	C	S
20017552	W 50 - 2 kW/1x230V + MIX	1,5	16	ø435x705	0,2	83	1 369	32	70	38	C	M
20017553	W 80 - 2 kW/1x230V + MIX	2,0	21	ø435x1025	0,2	108	1 341	42	60	38	C	M
20017554	W 100 - 2 kW/1x230V + MIX	2,0	26	ø435x1245	0,3	143	2 690	48	60	38	C	L
800 0455		2,5	35	ø435x1410	0,31	196	2 719	53	65	38	C	L

Subject to changes without notice

WALLY - W

Slim diameter and connections underneath - with fixed mixing function



ADVANTAGES

NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
SPLASHPROOF	Splash proof with IP grade 44
WALL + FLOOR	Both options possible

COMPONENTS

Mixing function	Integrated, providing ca. 10C temp. reduction
Thermostat	Adjustable 60-90°C - Preset 65/70°C
Safety valve	9 bar - 3/4" to drain
El. power cable	Including plug (earth) - 2,5 m.
Wall mount	Included
Flex hose	2 x 40 cm. G1/2" EPDM lined

WALLY—W will fit into compact spaces due to its 430 mm. diameter, and is designed to be fitted to wall or alternatively as a floor standing unit with all connections underneath the unit. WALLY's slim design ensures optimal stratification of hot- and cold water, and WALLY boasts high performance, as well as IP class 44 for splash-proof installation.

The new OSO Wally series comes with a cost-efficient, yet highly innovative mixing function integrated. The high storage water temperature of 70 °C is mixed with the incoming cold water through a carefully calibrated inlet in the hot water tube, mixing down the outgoing water temperature to approximately 10 °C lower than the thermostat setting. This allows for higher storage temperature than others, and class leading efficiency in a smaller unit.

To comply with the ErP directive, the thermostat is factory set at 65 °C for 70/90/120 L (70 °C for 30/50 L), but an increase in capacity is easily done by adjusting the thermostat to 75 °C.

WHY CHOOSE WALLY?

- Reduce heat loss by 150 kWh*/year with NANOPUR*
- Can be both wall mounted and floor standing with IP class 44
- Innovative mixing function for maximum cost-efficiency
- 5 year warranty on the stainless steel pressure tank

*Compared to 100 L cylinder with EPS insulation

TECHNICAL DATA

ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
8000461	W 30 - 2 kW/1x230V	1,0	11	435x542	0,1	52	539	22	70	36	C	S
8000462	W 50 - 2 kW/1x230V	1,5	16	435x705	0,2	83	1 369	32	70	38	C	M
8000463	W 80 - 2 kW/1x230V	2,0	21	435x1025	0,2	108	1 341	42	60	38	C	M
8000464	W 100 - 2 kW/1x230V	2,0	26	435x1245	0,3	143	2 690	48	60	38	C	L
8000465	W 120 - 2 kW/1x230V	2,5	34	435x1485	0,3	196	2 719	53	60	38	C	L

Subject to changes without notice

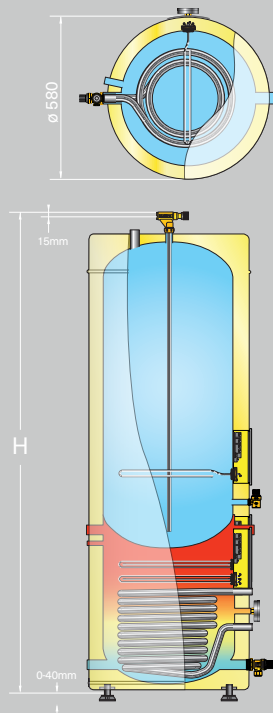
Full range of domestic hot-water tanks for heat pumps



OSO Hotwater delivers a full product range of water heaters specially adapted for domestic heat pumps, from 200 to 360 liters.

OPTIMA COIL - OC

The ultimate tank-in-tank unit for heat pumps w/o DHW priority



ADVANTAGES

NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
DUO STAINLESS	Tank-in-tank all stainless
HEATING+DHW	Two functions, one footprint
ECO-HOTWATER	DHW from alternative energy

COMPONENTS

Mixing valve	Adjustable 45-80°C - Preset 55°C - ø 15 mm
Th. stat DHW	Adjustable 60-90°C - Preset 75°C
Th. stat buffer	Adjustable 30-60°C - Preset 45°C
Safety valve	9 bar + 3 bar - 3/4" to drain
Appliance feet	Adjustable - Included
Buffer conn.	4 x 1" female BSP threads
Coil connection	2 x 3/4" female BSP threads

OPTIMA series are tank-in-tank units with unique and patented solutions to increase Seasonal Performance Factor (SPF) for heat pumps vs. traditional tank-in-tank units. The buffer tank and domestic hot water tank (both made in stainless steel) are integrated in a single unit, increasing efficiency, reducing footprint as well as installation time. The smooth piped, scale-resistant heating coil is another advantage. OPTIMA boasts class-leading insulation capabilities, while maintaining a higher temperature than others (75 °C) in the DHW tank for unbeatable performance and more hot water in a smaller unit.

OPTIMA COIL—OC 300 / 360 is ideal for heat pumps without three way valve for DHW priority up to 12 / 15 kW, and for heating demands in households up to 300/400 m². The smooth piped, scale-resistant heating coil in the buffer tank increases available surface area for heat transfer dramatically vs. traditional tank-in-tank units, and increases SPF. OPTIMA COIL has full electric back-up for the heating system, as well as ultra-grade INCOTEC immersion heater as booster for the domestic hot water unit. Adjustable hot water draw-off temperature (prevents scalding) to the taps is ensured by the UX mixing valve.

WHY CHOOSE OPTIMA COIL?

- Reduce heat loss by 300 kWh*/year with NANOPUR*
- Custom-designed for heat pumps without DHW priority up to 15 kW
- Higher heat transfer for DHW and increased heat pump performance
- 5 year warranty on the stainless steel pressure tank

*Compared to 300 L cylinder with EPS insulation

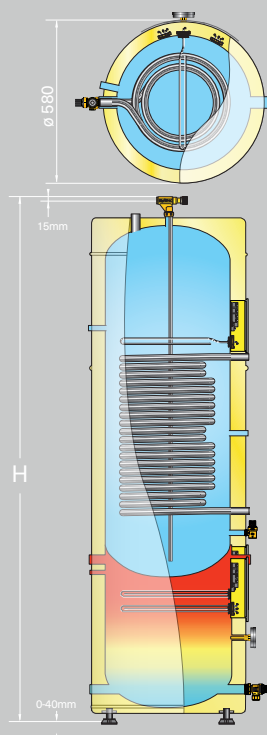
TECHNICAL DATA

ErP RATING B/C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m ³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0266	OC 300 - 3+9kW/1/3x230 LT+HX 0,8m ²	5,5	70	ø580x1665	0,66	351	-	52/48	75/45	-	B/B	-
800 0267	OC 360 - 3+15kW/1/3x230 LT+HX 0,8m ²	7,0	85	ø580x1990	0,72	446	-	59/63	75/45	-	B/C	-
800 0268	OC 300 - 3+15kW/1/3x230 HT+HX 0,7m ²	5,5	70	ø580x1665	0,66	351	-	52/48	75/75	-	B/B	-

OPTIMA GEOCOIL - OGC

The ultimate tank-in-tank unit for heat pumps with DHW priority



ADVANTAGES

NANOPUR	Class leading insulation
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
DUO STAINLESS	Tank-in-tank all stainless
HEATING+DHW	Two functions, one footprint
ECO-HOTWATER	DHW from alternative energy

COMPONENTS

Mixing valve	Adjustable 45-80°C - Preset 55°C - ø 15 mm
Th. stat DHW	Adjustable 60-90°C - Preset 75°C
Th. stat buffer	Adjustable 30-60°C - Preset 45°C
Safety valve	9 bar + 3 bar - 3/4" to drain
Appliance feet	Adjustable - Included
Buffer conn.	4 x 1" female BSP threads
Coil connection	2 x 3/4" female BSP threads

OPTIMA series are tank-in-tank units with unique and patented solutions to increase Seasonal Performance Factor (SPF) for heat pumps vs. traditional tank-in-tank units. The buffer tank and domestic hot water tank (both made in stainless steel) are integrated in a single unit, increasing efficiency, reducing footprint as well as installation time. The smooth piped, scale-resistant heating coil is another advantage. OPTIMA boasts class-leading insulation capabilities, while maintaining a higher temperature than others (75 °C) in the DHW tank for unbeatable performance and more hot water in a smaller unit.

OPTIMA GEOCOIL—OGC is ideal for heat pumps with three way valve for DHW priority up to 12 kW, and for heating demands in households up to 300 m². The smooth piped, scale-resistant heating coil in the DHW tank has a carefully calculated surface area for efficient DHW production from the heat pump. OPTIMA GEOCOIL has full electric back-up for the heating system, as well as ultra-grade INCOTEC immersion heater as booster for the domestic hot water unit. Adjustable hot water draw-off temperature (prevents scalding) to the taps is ensured by the UX mixing valve.

WHY CHOOSE OPTIMA GEOCOIL?

- Reduce heat loss by 300 kWh*/year with NANOPUR*
- Custom-designed for heat pumps with DHW priority up to 12 kW
- DHW and buffer tank with full electric back-up in one footprint
- 5 year warranty on the stainless steel pressure tank

*Compared to 300 L cylinder with EPS insulation

TECHNICAL DATA

ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m ³	Volume L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0277	OGC 360 - 3+15kW/1/3x230V LT+HX 1,8m ²	5,0	88	ø580x1995	0,72	244/97	-	71/54	75/45	-	C/C	-

Subject to changes without notice

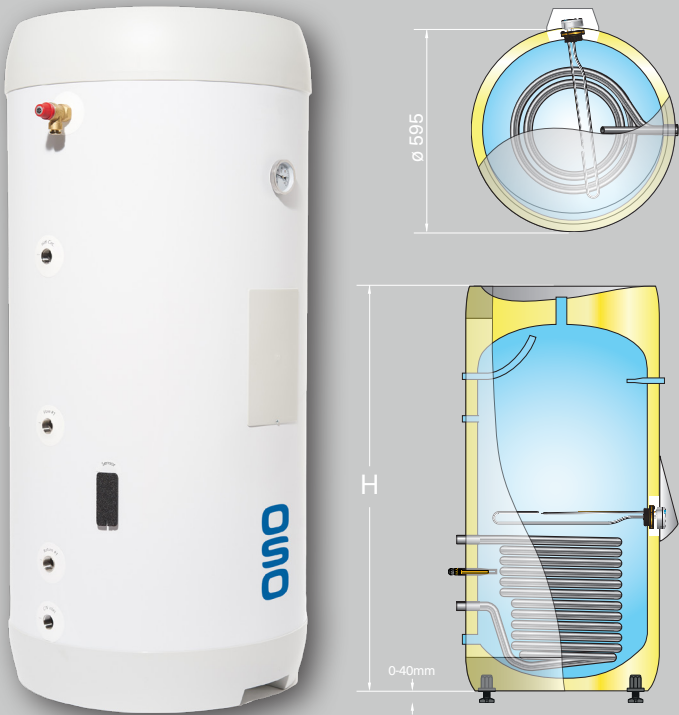
SX 200 provides hot water 3 times as fast



The SAGA Xpress heats your hot water three times faster than standard hot water tanks due to the fantastic flip-flop technology.

DELTA COIL – DC

Ideal for boilers or inverter heat pumps



ADVANTAGES

DELTA DESIGN	Elegant and functional
NANOPUR	Class leading insulation
VACUUM	Ultimate performance
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
ECO-HOTWATER	DHW from alternative energy

COMPONENTS

Thermostat	Adjustable 20-70°C - Preset 70°C
Appliance feet	Adjustable - Factory mounted
Coil connection	2 x 3/4" female BSP threads

DELTA series is elegant and functional in its design, delivering class-leading insulation characteristics and ErP* A-rating with heat loss reduced by > 60 % compared to EPS insulation. DELTA has been developed with high grade material selection and intelligent technical solutions exclusive to OSO, and everything we've learned over the past 50 years of manufacturing stainless steel water heaters is embodied in the DELTA series.

DELTA COIL—DC is custom-made for either high- or low temperature energy sources up to 25 kW (boiler) or 8 kW (inverter heat pump), with the smooth piped, scale-resistant heating coil. DELTA COIL has as INCOTEC immersion heater as booster (or back-up) above the heating coil, raising the DHW temperature to increase capacity and prevent bacterial growth. The booster heater also provides maximum safety if there are any operational problems with the energy source. Sensor pockets for controlling the unit as well as thermometer comes standard.

WHY CHOOSE DELTA COIL?

- Reduce heat loss by 400 kWh*/year with NANOPUR and VIP*
- Hot water from alternative energy source with el. back-up
- 5 year warranty on the stainless steel pressure tank

**Compared to 200 L cylinder with EPS insulation
Energy-related Products Directive – 2009/125/EC*

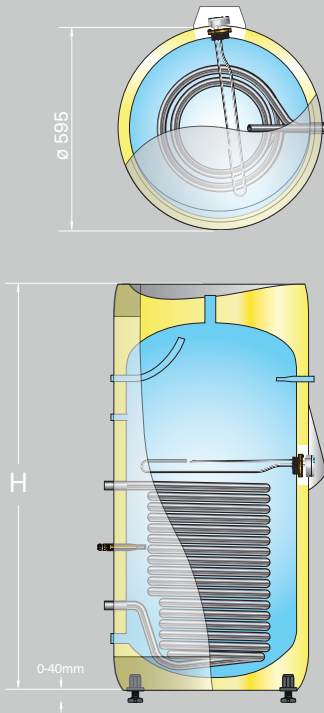
TECHNICAL DATA

ErP RATING A

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	Volume L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0314	DC 200 - 3kW/1x230V+HX 0,8m²	5,0	47	ø595x1270	0,46	194	-	43	70	-	A	-
800 0316	DC 300 - 3kW/1x230V+HX 0,8m²	6,0	57	ø595x1750	0,62	285	-	49	70	-	A	-

DELTA GEOCOIL – DGC

Custom designed for heat pumps up to 30 kW



ADVANTAGES

DELTA DESIGN	Elegant and functional
NANOPUR	Class leading insulation
VACUUM	Ultimate performance
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
ECO-HOTWATER	DHW from alternative energy

COMPONENTS

Thermostat	Adjustable 20-70°C - Preset 70°C
Appliance feet	Adjustable - Factory mounted
Coil connection	2 x 3/4" female BSP threads

DELTA series is elegant and functional in its design, delivering class-leading insulation characteristics and ErP* A-rating with heat loss reduced by > 60 % compared to EPS insulation. DELTA has been developed with high grade material selection and intelligent technical solutions exclusive to OSO, and everything we've learned over the past 50 years of manufacturing stainless steel water heaters is embodied in the DELTA series.

DELTA GEOCOIL—DGC 200 / 250 / 300 is ideal for maximum domestic hot water production from heat pumps up to 18 kW, with the large surface area, smooth piped, scale-resistant heating coil. DELTA GEOCOIL has as INCOTEC immersion heater as booster (or back-up) above the heating coil, raising the DHW temperature to increase capacity and prevent bacterial growth. The booster heater also provides maximum safety if there are any operational problems with the energy source. Sensor pockets for controlling the unit as well as thermometer comes standard.

WHY CHOOSE DELTA GEOCOIL?

- Reduce heat loss by 400 kWh*/year with NANOPUR and VIP*
- Custom-designed for heat pump with DHW priority / 3 way valve up to 30 kW
- 5 year warranty on the stainless steel pressure tank

*Compared to 200 L cylinder with EPS insulation
Energy-related Products Directive – 2009/125/EC

TECHNICAL DATA

ErP RATING B

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	V 40 L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0322	DGC 200 - 3kW/1x230V+HX 1,8m²	4,0	53	595x1270	0,46	191	-	58	70	-	B	-
800 0323	DGC 250 - 3kW/1x230V+HX 2,4m²	5,0	67	595x1540	0,56	245	-	62	70	-	B	-
800 0324	DGC 300 - 3kW/1x230V+HX 2,8m²	6,0	76	595x1750	0,62	282	-	70	70	-	B	-

DELTA TWINCOIL – DTC

Ultimate energy flexibility for hot water



ADVANTAGES

- DELTA DESIGN: Elegant and functional
- NANOPUR: Class leading insulation
- VACUUM: Ultimate performance
- ULTRAWELD: Superior corrosion resistance
- INCOTEC: High durability in hard water
- ECO-HOTWATER: DHW from alternative energy

COMPONENTS

- Thermostat: Adjustable 20-70°C - Preset 70°C
- Appliance feet: Adjustable - Factory mounted
- Coil connection: 4 x 3/4" female BSP threads

DELTA series is elegant and functional in its design, delivering class-leading insulation characteristics and ErP* A-rating with heat loss reduced by > 60 % compared to EPS insulation. DELTA has been developed with high grade material selection and intelligent technical solutions exclusive to OSO, and everything we've learned over the past 50 years of manufacturing stainless steel water heaters is embodied in the DELTA series.

DELTA TWINCOIL—DTC is extremely flexible and can utilize two different energy sources for maximum efficiency in domestic hot water production. DELTA TWINCOIL is ideal for low temperature energy source in lower coil (solar collectors up to 12 m²/inverter heat pump up to 8 kW), in combination with high temperature energy source in upper coil (boiler up to 25 kW.) This way, DELTA TWINCOIL always utilizes the most energy efficient heat source. Alternatively, the lower can utilize an external energy source, while the upper coil can provide heating. DELTA GEOCOIL has as INCOTEC immersion heater as booster (or back-up), raising the DHW temperature to increase capacity if required. Sensor pockets for controlling the unit as well as thermometer comes standard.

WHY CHOOSE DELTA TWINCOIL?

- Reduce heat loss by 400 kWh*/year with NANOPUR and VIP*
- Hot water from alternative energy sources for ultimate flexibility
- 5 year warranty on the stainless steel pressure tank

*Compared to 200 L cylinder with EPS insulation
Energy-related Products Directive – 2009/125/EC

TECHNICAL DATA

ErP RATING B

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	Volume L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 0306	DTC 200 - 3kW/1x230V+HX 0,8+0,8m²	4,0	53	ø595x1270	0,46	190	-	56	70	-	B	-
800 0308	DTC 300 - 3kW/1x230V+HX 0,8+0,8m²	6,0	63	ø595x1750	0,62	281	-	68	70	-	B	-

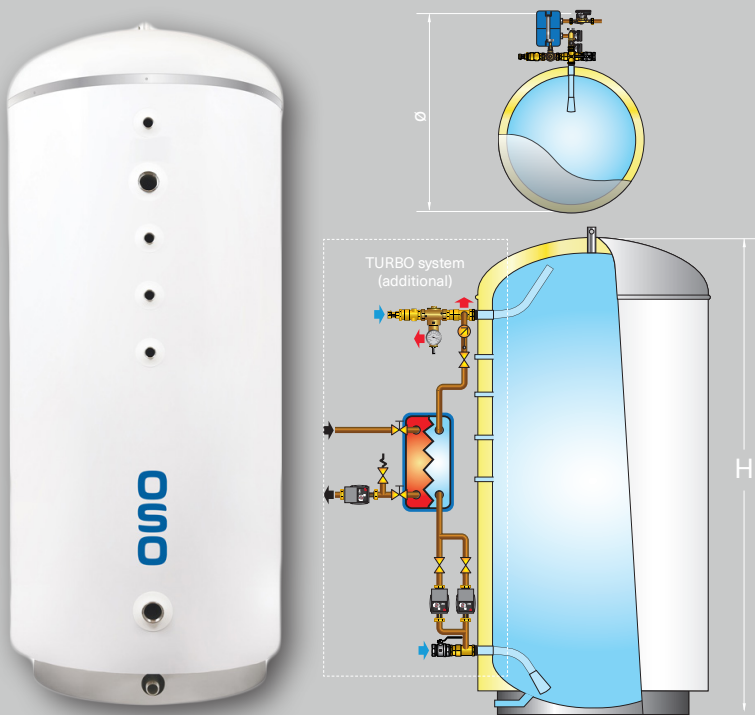
INDUSTRIAL WATER HEATERS

OSO Hotwater has supplied industries such as hospitals, schools, agriculture, aquaculture, offshore, marine, fishing industry and many others with high quality industrial hot water tanks for decades. We are proud to supply made-to-order water heaters to meet the needs of the industry and can manufacture water heaters up to 15,000 liters! We contribute with our own experience together with the customer to achieve the best result and provide tank solutions with class-leading quality and with cost efficiency in mind.



MAXI – M

Heat accumulator tank in stainless steel for TURBO system++



ADVANTAGES

NANOPUR	Class leading insulation (400 L)
ISOFLEX+VIP	Class leading insulation (600/1000 L)
ULTRAWELD	Superior corrosion resistance
MAXTEMP	Solar / hot water connection
SOLAR-READY	Separate solar connection

COMPONENTS

Mixing valve	See separate commercial add-ons
Safety valve	TP 9 bar / 99 °C - 3/4" to drain
Flow/return conn.	2 x 1 1/2" female BSP threads
Other connections	4 x 3/4" female BSP threads

MAXI series has shown class-leading operational durability for commercial hot water systems through the last 50 years. MAXI has been constructed with EVERLAST™ high-alloy stainless steel in combination with ULTRAWELD™ technology for optimal corrosion resistance.

MAXI—M is ideal for heat accumulation in commercial installations, for instance from other models in the MAXI series (MS/MX/MC/MGC), or directly from an external energy source. MAXI has been optimized for the highly efficient TURBOSYSTEM with plate heat exchanger (optional capacity) and double sets of pumps for extra operational safety. With the TURBOSYSTEM, cold water is pumped from the bottom of the unit through the plate heat exchanger and choke valve and charges the accumulator tank from the top. When consumption is low, the plate heat exchanger can be used directly, and when consumption is high, additional capacity is provided by the MAXI unit. The system provides instant hot water even after the unit has been emptied.

Installation kits for cold water inlet with shut-off valve, hot water outlet with mixing valve, plate heat exchanger with pumps (TURBOSYSTEM) and custom-made piping for connecting multiple units fits directly on the MAXI series.

WHY CHOOSE MAXI?

- Accumulator provides optimal working conditions system
- Flexible choice of energy source with TURBOSYSTEM (add-on)
- 10 bar design pressure and class-leading corrosion resistance

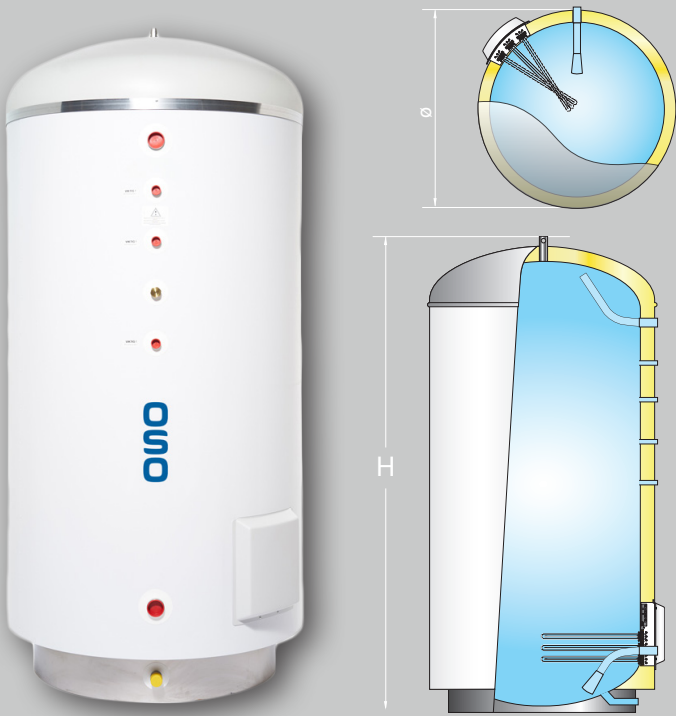
TECHNICAL DATA

ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	Volume L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 1452	M 400	Calculate	77	ø 595x2175	0,79	376	-	85	-	-	C	-
800 1453	M 600	-	131	ø 780x2028	1,28	550	-	119	-	-	C	-
800 1454	M 1000	-	236	ø1000x2100	2,29	885	-	140	-	-	C	-
Can be delivered up to 15000 L												

MAXI STANDARD – MS

Unbeatable performance and lifetime economy



ADVANTAGES

NANOPUR	Class leading insulation (400 L)
ISOFLEX+VIP	Class leading insulation (600/1000 L)
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
MAXTEMP	Solar / hot water connection
SOLAR-READY	Separate solar connection

COMPONENTS

Mixing valve	See separate commercial add-ons
Thermostat	Adjustable 50 - 75 °C - Preset 75 °C
Safety valve	TP 10 bar/ 90 °C – ¾" to drain
Flow/return conn.	2 x 1 1/2" female BSP threads
Other connections	4 x 3/4" female BSP threads

MAXI series has shown class-leading operational durability for commercial hot water systems through the last 50 years. MAXI has been constructed with EVERLAST™ high-alloy stainless steel in combination with ULTRAWELD™ technology for optimal corrosion resistance.

MAXI STANDARD—MS is suitable for most commercial hot water demands, and is heated either with the integrated electric INCOTEC immersion heaters, or via an external energy source and the TURBOSYSTEM with plate heat exchanger (optional capacity) and double sets of pumps for extra operational safety. The electric immersion heaters has optional effect 5–15 kW, 230–400 V + N 3-phase, and is thermostat controlled 60–90 °C in three steps with separate safety thermostats. Contactors are not required and the support cable is connected directly to the central.

Installation kits for cold water inlet with shut-off valve, hot water outlet with mixing valve, plate heat exchanger with pumps (TURBOSYSTEM) and custom-made piping for connecting multiple units fits directly on the MAXI series.

WHY CHOOSE MAXI STANDARD?

- Extreme operational durability with el. heaters w/o contactors
- Flexible choice of energy source with TURBOSYSTEM (add-on)
- 10 bar design pressure and class-leading corrosion resistance

TECHNICAL DATA

ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	Volume L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 1552	MS 400 - 15 kW/3x230V	Calculate	77	ø 595x2175	0,79	372	-	90	75	-	C	-
800 1553	MS 600 - 15 kW/3x230V	Calculate	131	ø 780x2028	1,28	580	-	120	75	-	C	-
800 1554	MS 1000 - 15 kW/3x230V	Calculate	236	ø1000x2100	2,29	885	-	142	75	-	C	-
	Can be delivered up to 15000 L											

MAXI XPRESS – MX

Double immersion heater effect and faster heat-up times



ADVANTAGES

NANOPUR	Class leading insulation (400 L)
ISOFLEX+VIP	Class leading insulation (600/1000 L)
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
MAXTEMP	Solar / hot water connection
SOLAR-READY	Separate solar connection

COMPONENTS

Mixing valve	See separate commercial add-ons
Thermostat	Adjustable 50 - 75 °C - Preset 75 °C
Safety valve	TP 10 bar/ 90 °C – ¾" to drain
Flow/return conn.	2 x 1 1/2" female BSP threads
Other connections	4 x 3/4" female BSP threads

MAXI series has shown class-leading operational durability for commercial hot water systems through the last 50 years. MAXI has been constructed with EVERLAST™ high-alloy stainless steel in combination with ULTRAWELD™ technology for optimal corrosion resistance.

MAXI XPRESS—MX boasts twice the available immersion heater capacity as the standard, is heated either with the integrated electric INCOTEC immersion heaters, or via an external energy source and the TURBOSYSTEM with plate heat exchanger (optional capacity) and double sets of pumps for extra operational safety. The electric immersion heaters has optional effect 5–30 kW, 230–400 V + N 3-phase, and is thermostat controlled 60–90 °C in three steps with separate safety thermostats. Contactors are not required and the support cable is connected directly to the central.

Installation kits for cold water inlet with shut-off valve, hot water outlet with mixing valve, plate heat exchanger with pumps (TURBOSYSTEM) and custom-made piping for connecting multiple units fits directly on the MAXI series.

WHY CHOOSE MAXI XPRESS?

- Extreme operational durability with el. heaters w/o contactors
- Flexible choice of energy source with TURBOSYSTEM (add-on)
- 10 bar design pressure and class-leading corrosion resistance

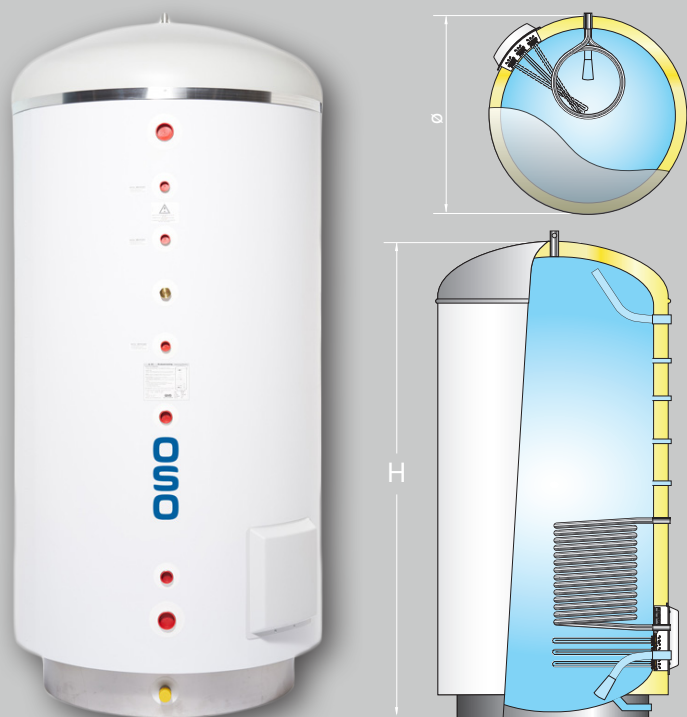
TECHNICAL DATA

ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	Volume L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 1652	MX 400 - 15+15 kW/3x230V	Calculate	85	ø 595x2175	0,79	367	-	103	75	-	C	-
800 1653	MX 600 - 15+15 kW/3x230V	Calculate	139	ø 780x2028	1,28	550	-	120	75	-	C	-
800 1654	MX 1000 - 15+15 kW/3x230V	Calculate	244	ø1000x2100	2,29	885	-	142	75	-	C	-
	Can be delivered up to 15000 L											

MAXI COIL - MC

Unbeatable performance and energy flexibility



ADVANTAGES

NANOPUR	Class leading insulation (400 L)
ISOFLEX+VIP	Class leading insulation (600/1000 L)
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
MAXTEMP	Solar / hot water connection
ECO-HOTWATER	DHW from alternative energy

COMPONENTS

Mixing valve	See separate commercial add-ons
Thermostat	Adjustable 50 - 75 °C - Preset 75 °C
Safety valve	TP 10 bar/ 90 °C - 3/4" to drain
Flow/return conn.	2 x 1 1/2" female BSP threads
Coil connection	2 x 1" female BSP threads
Other connections	4 x 3/4" female BSP threads

MAXI series has shown class-leading operational durability for commercial hot water systems through the last 50 years. MAXI has been constructed with EVERLAST™ high-alloy stainless steel in combination with ULTRAWELD™ technology for optimal corrosion resistance. MAXI series can be modified according to customer requirements.

MAXI COIL—MC is ideal for direct electric operation during summer and can be switched to boiler operation during winter. It provides an attractive alternative to the TURBOSYSTEM when hot water demands are somewhat smaller. MAXI COIL comes standard with a smooth piped, scale-resistant heating coil with a capacity of up to 30 kW from boiler. The electric immersion heaters has optional effect 5-15 kW, 230-400 V + N 3-phase, and is thermostat controlled 60-90 °C in three steps with separate safety thermostats. Contactors are not required and the support cable is connected directly to the central.

Installation kits for cold water inlet with shut-off valve, hot water outlet with mixing valve, plate heat exchanger with pumps (TURBOSYSTEM) and custom-made piping for connecting multiple units fits directly on the MAXI series.

WHY CHOOSE MAXI COIL?

- Energy flexibility for summer / winter operation, or as back-up
- Extreme operational durability with el. heaters w/o contactors
- 10 bar design pressure and class-leading corrosion resistance

TECHNICAL DATA

ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	Volume L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 1752	MC 400 - 15 kW/3x230V + HX 1,0m²	Calculate	85	ø 595x2175	0,79	363	-	94	75	-	C	-
800 1753	MC 600 - 15 kW/3x230V + HX 1,0m²	Calculate	139	ø 780x2028	1,28	534	-	119	75	-	C	-
800 1754	MC 1000 - 15 kW/3x230V + HX 1,0m²	Calculate	244	ø1000x2100	2,29	877	-	142	75	-	C	-
	Can be delivered up to 15000 L											



OEM solutions

We are proud to be a preferred supplier to many of the best known international brands in the heating industry, delivering our products throughout Europe, North America and Asia. OEM is an important part of our business because it inspires and motivates us to think innovatively, be flexible in our approach and challenge traditional mind-sets.

01

Client Interaction

Everything starts with the customer – our partner. We seek to gain understanding of the customers' needs and qualify if we have an offering which suits those needs.

The background of the entire page is a close-up, high-angle shot of several large, coiled metal hoses. The hoses are made of a shiny, metallic material, likely stainless steel, and are arranged in a way that creates a complex, overlapping pattern of concentric circles and spirals. The lighting is bright, highlighting the reflective surfaces of the metal and creating a sense of depth and texture.

02

Project Proposal

We make a proposal which satisfies customer requirements, while always keeping in mind our standardized processes which ensure quality and efficiency.

03

Implementation

Through close cooperation we seek to agree upon terms and conditions. Finally, implementation and delivery of product according to agreement, with customer satisfaction in focus.

MAXI GEOCOIL - MGC

Custom designed for heat pumps up to 40 kW



ADVANTAGES

NANOPUR	Class leading insulation (400 L)
ISO FLEX+VIP	Class leading insulation (600/1000 L)
ULTRAWELD	Superior corrosion resistance
INCOTEC	High durability in hard water
MAXTEMP	Solar / hot water connection
ECO-HOTWATER	DHW from alternative energy

COMPONENTS

Mixing valve	See separate commercial add-ons
Thermostat	Adjustable 50 - 75 °C - Preset 75 °C
Safety valve	TP 10 bar/ 90 °C - 3/4" to drain
Flow/return conn.	2 x 1 1/2" female BSP threads
Coil connection	2 x 3/4" female BSP threads (400 L)
Coil connection	2 x 1" female BSP threads (600/1000 L)
Other connections	4 x 3/4" female BSP threads

MAXI series has shown class-leading operational durability for commercial hot water systems through the last 50 years. MAXI has been constructed with EVERLAST™ high-alloy stainless steel in combination with ULTRAWELD™ technology for optimal corrosion resistance.

MAXI GEOCOIL—MGC has been custom-made for maximum hot water production from heat pumps up to 40 kW (400 L = 25 kW/600/1 000 L = 40 kW), with the large surface area, smooth piped, scale-resistant heating coil. The units are also suitable for solar collectors up to 40 m². MAXI GEO-COIL has ultra-grade INCOTEC immersion heaters as booster, raising the temperature to increase capacity and prevent bacterial growth. The booster heaters also provides maximum operational safety. The electric immersion heaters has optional effect 5–15 kW, 230–400 V + N 3-phase, and is thermostat controlled 60–90 °C in three steps with separate safety thermostats. Contactors are not required and the support cable is connected directly to the central.

Installation kits for cold water inlet with shut-off valve, hot water outlet with mixing valve, plate heat exchanger with pumps (TURBOSYSTEM) and custom-made piping for connecting multiple units fits directly on the MAXI series.

WHY CHOOSE MAXI GEOCOIL?

- Highly efficient DHW production from heat pump up to 40 kW
- Extreme operational safety with electric heater as booster / back-up
- 10 bar design pressure and class-leading corrosion resistance

TECHNICAL DATA

ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	Volume L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 1852	MGC 400 - 15 kW/3x230V + HX 2,6m²	Calculate	95	ø 595x2175	0,79	363	-	96	75	-	C	-
800 1853	MGC 600 - 15 kW/3x230V + HX 4,6m²	Calculate	160	ø 780x2028	1,28	523	-	118	75	-	C	-
800 1854	MGC 1000 - 15 kW/3x230V + HX 4,6m²	Calculate	265	ø1000x2100	2,29	865	-	141	75	-	C	-
	Can be delivered up to 15000 L											

Subject to changes without notice

MAXI ACCU – MA

Accumulator in stainless steel for hot or cold water



ADVANTAGES

NANOPUR	Class leading insulation (400 L)
ISOFLEX+VIP	Class leading insulation (600/1000 L)
ULTRAWELD	Superior corrosion resistance

COMPONENTS

Flow/return conn.	4 x 2" female BSP threads (300/400 L)
Flow/return conn.	2 x DN 80 PN 10 (600 L)
Flow/return conn.	2 x DN 100 PN 10 (1000 L)
Other connections	4 x 3/4" female BSP threads

MAXI series has shown class-leading operational durability for commercial hot water systems through the last 50 years. MAXI has been constructed with EVERLAST™ high-alloy stainless steel in combination with ULTRAWELD™ technology for optimal corrosion resistance.

MAXI ACCU-MA is an ideal accumulator tank for heat pump/solar collectors, ensuring optimal working conditions for the energy source and providing stable temperature to the system. MAXI ACCU is also suitable as accumulator for cooling systems with ARMAFLEX insulation (add-on). The insulation and the steel outer casing is diffusion proof to prevent condensation against the cold internal tank surface. MAXI ACCU with ARMAFLEX is suitable for room climate systems with refrigerating machines where the unit is the required buffer against the system.

WHY CHOOSE MAXI COIL?

- Accumulator for hot / cold water provides stable temperature for system
- 10 bar design pressure and class-leading corrosion resistance

TECHNICAL DATA

ErP RATING C

Prod. No.	Product code:	Capacity persons	Weight kg.	Dia x height mm.	Freight vol. m³	Volume L	AEC kWh/a	Heat loss W	Temp. setting °C	Energy eff. %	Rating ErP	Profile ErP
800 1352	MA 400 - SS/PLUS	Varmekr.	77	ø 595x2175	0,79	379	-	87	-	-	C	-
800 1353	MA 600 - SS/PLUS	Varmekr.	148	ø 780x2028	1,28	550	-	119	-	-	C	-
800 1354	MA 1000 - SS/PLUS	Varmekr.	238	ø1000x2100	2,29	885	-	140	-	-	C	-
Can be delivered up to 15000 L												



50 YEARS OF

ENVIROMENTAL AWARENESS

2nd gen. Braathen was an environmentalist at heart and created what was to become «Scandinavia's most environmentally friendly company» (SCANVAC award). After 50 years of continuous efforts for the environment, the Norwegian Government (GRIP) awarded OSO the «Glassbear» for its work. Our target remains the same – to have as little impact as possible on Mother Nature.

WORKING TIRELESSLY FOR

SUSTAINABILITY IN EVERYTHING WE DO

Sustainability has been an essential concept in everything OSO Hotwater has done over the past 5 decades. We are at the forefront of the industry when it comes to reducing our footprint. We will continue to strive to be at the forefront by developing new products that meet today's needs without destroying the opportunities of future generations.

REDUCING THE USE OF

ENERGY FOR EVERYONE

The need for energy for an ever-growing population is one of the biggest challenges facing the world today. We, as a manufacturer of high-quality water heaters, work on several fronts to reduce energy consumption in both companies and individuals. All our products are developed with as low energy consumption as possible in mind.



IMPORTANT FACTS ABOUT CORROSION

1. TDS / CONDUCTIVITY

The term TDS describes all solids (usually mineral salts) that are dissolved in water. The TDS and the electrical conductivity are in a close connection. The more salts are dissolved in the water, the higher is the value of the electric conductivity. The majority of solids are dissolved ions.

Conductivity is a measure of water's capability to pass electrical current. This ability is directly related to the concentration of ions in the water (also known as electrolytes.) The more ions that are present, the higher the conductivity of water. Likewise, the fewer ions that are in the water, the less conductive it is.

TDS and electrical conductivity (EC) are in a close connection. TDS, in mg/L, is in fresh water systems approximately 65 %* of specific conductivity** in $\mu\text{S} / \text{cm}$ (microsiemens).

** The exact conversion value between TDS and EC depends on the chemical composition of the water, specifically pH, bicarbonate and TDS.*

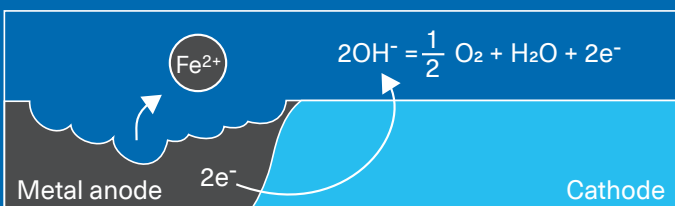
*** Specific conductance is a conductivity measurement made at or corrected to 25° C. If a measurement is made at a different temperature and corrected to 25° C, then the temperature coefficient must be considered.*

Each electrolyte contributes differently to the conductivity (resistivity) of the water:

Cl- Chloride	2,14 $\mu\Omega/\text{cm}$ per mg/L
SO4 Sulphate	1,54 $\mu\Omega/\text{cm}$ per mg/L
NO3 Nitrate	1,15 $\mu\Omega/\text{cm}$ per mg/L
HCO3 Bicarbonate	0,72 $\mu\Omega/\text{cm}$ per mg/L

There is much evidence to suggest that in addition to its effect on conductivity (see below), chloride ions specifically accelerate pitting in ferrous metals, particularly stainless steels.

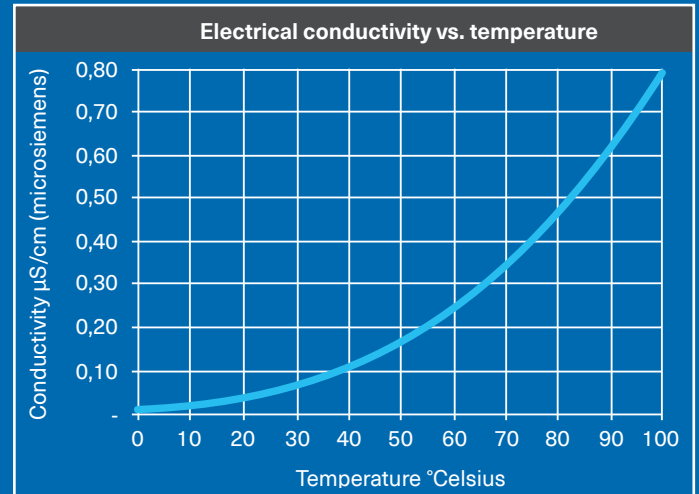
The conductivity of the water determines how swiftly the ions can exchange. The higher the conductivity, the faster the exchange of ions. In pitting corrosion, the pit will assemble ferrite (iron) and function as the anode vs. the stainless steel around the pit which will be the cathode. This occurs due to the difference in electric potential between the anode and the cathode, even between small areas on the same metal sheet.



2. TEMPERATURE

Temperature increases the conductivity of water due mainly to higher concentrations of the highly conducting H^+ and OH^- ions. (So-called dissociation)

The water temperature affects the electric conductivity so that its value doubles pr. 10°C. For a water heater, this creates a particularly aggressive environment due to elevated temperatures.

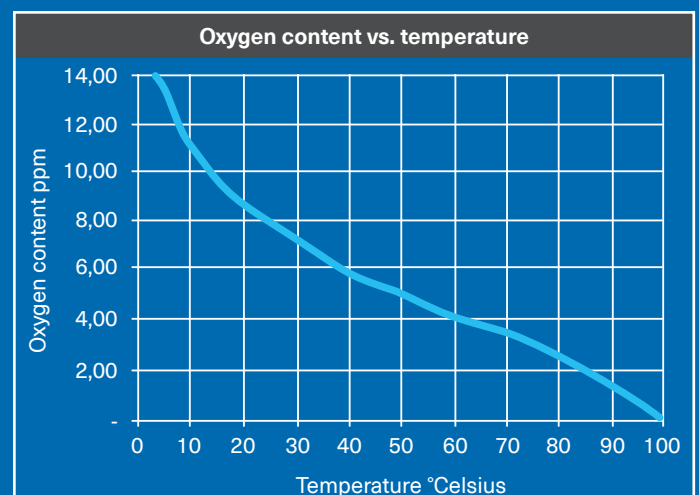


3. O₂ CONCENTRATION

The passive layer on the stainless steel requires presence of oxygen to be able to self-repair and re-form chromium oxides (see part one). Hence, stainless steel exposed to environments with a low oxygen content and reduced water flow will exhibit much reduced corrosion resistance than normal.

In an environment where there is low oxygen content in addition to presence of chlorides that will attack the stainless steel, the passive layer will be broken down at a faster rate than it is able to self-repair and re-form the damaged passive layer caused by the chlorides.

The water temperature affects the oxygen content in the water (dissolved oxygen). The higher the temperature, the lower the amount of dissolved oxygen. For a water heater this means a reduced level of dissolved oxygen and a particularly aggressive environment due to the elevated temperatures.



WARRANTY CONDITIONS

1. Scope

OSO Hotwater AS ("OSO") warrants for 2 years from the date of purchase, that the Product will: i) conform to OSO specification, ii) be free from defects in materials and workmanship, subject to conditions below. All components carry a 2-year warranty.

The warranty is voluntarily extended by OSO to 5 years for the stainless steel inner tank. This extended warranty only applies to Products purchased by a consumer, that has been installed for private use and that has been distributed by OSO or by a distributor where the Products have been originally sold by OSO.

The extended warranty does not apply to Products purchased by commercial entities or for Products that have been installed for commercial use. These shall be subject only to the mandatory provisions of the law. The conditions and limitations set out below shall apply.

2. Coverage

If a defect arises and a valid claim is received within the statutory warranty period, at its option and to the extent permitted by law, OSO shall either; i) repair the defect, or; ii) replace the product with a product that is identical or similar in function, or; iii) refund the purchase price.

If a defect arises and a valid claim is received after the statutory warranty period has expired, but within the extended warranty period, OSO will supply a product that is identical or similar in function. OSO will in such cases not cover any other associated costs.

Any exchanged Product or component will become the legal property of OSO. Any valid claim or service does not extend the original warranty. The replacement Product or part does not carry a new warranty.

3. Conditions

The Product is manufactured to suit most public water supplies. However, there are certain water chemistries (outlined below) that can have a detrimental effect on the Product and its life expectancy. If there are uncertainties regarding water quality, the local water supply authority can supply the necessary data. The warranty applies only if the conditions set out below are met in full:

- The Product has been installed by a professional installer, in accordance with the instructions in the installation manual and all relevant Codes of Practice and Regulations in force at the time of installation.
- The Product has not been modified in any way, tampered with or subjected to misuse and no factory fitted parts have been removed for unauthorized repair or replacement.

- The Product has only been connected to a domestic mains water supply in compliance with the European Drinking Water Directive EN 98/83 EC, or latest version. The water should not be aggressive, i.e. the water chemistry shall comply with the following:
 - Chloride < 250 mg / L
 - Electrical conductivity (EC) @25°C < 750 uS / cm
 - Saturation index (LSI) @80°C > - 1.0 / < 0.8
 - pH level > 6.0 / < 9.5
- The immersion heater has not been exposed to hardness levels exceeding 10°dH (180 ppm CaCO₃). A water softener is recommended in such cases.
- Any disinfection has been carried out without affecting the Product in any way. The Product shall be isolated from any system chlorination.
- The Product has been in regular use from the date of installation. If the Product is not intended to be used for 60 days or more, it must be drained.
- Service and/or repair shall be done according to the installation manual and all relevant codes of practice. Any replacement parts used shall be original OSO spare parts.
- Any third-party costs associated with any claim has been authorized in advance by OSO in writing.
- The purchase invoice and/or installation invoice, a water sample as well as the defective product is made available to OSO upon request.

Failure to follow these instructions and conditions may result in product failure, and water escaping from the Product.

4. Limitations

The warranty does not cover:

- Any fault or costs arising from incorrect installation, incorrect application, lack of regular maintenance in accordance with the installation manual, neglect, accidental or malicious damage, misuse, any alteration, tampering or repair carried out by a non-professional, any fault arising from the tampering with or removal of any factory fitted safety components or measures.
- Any consequential damage or any indirect loss caused by any failure or malfunction of the Product.
- Any pipework or any equipment connected to the Product.
- The effects of frost, lightning, voltage variation, lack of water, dry boiling, excess pressure or chlorination procedures.
- The effects of stagnant (de-aerated) water if the Product has been left unused for more than 60 days consecutively.
- Damage caused during transportation. Buyer shall give the carrier notice of such damage.
- Costs arising if the Product is not immediately accessible for servicing.

These warranties do not affect the Buyer's statutory rights.

OSO
HOT WATER

OSO

HOTWATER

Please contact our sales team for further assistance and information

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water heaters since 1932.

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