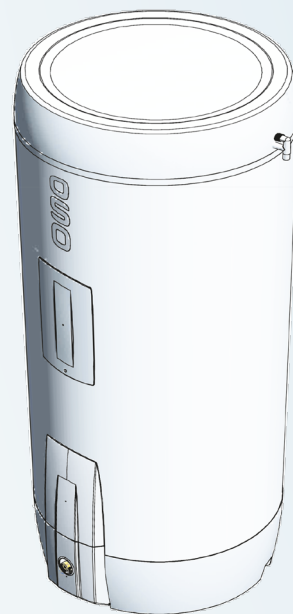


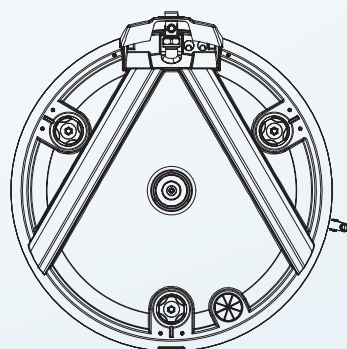
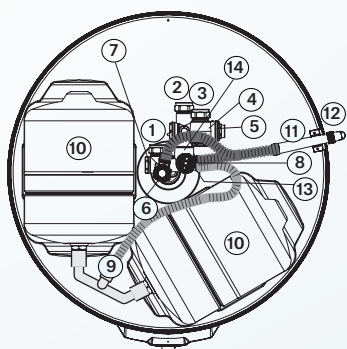
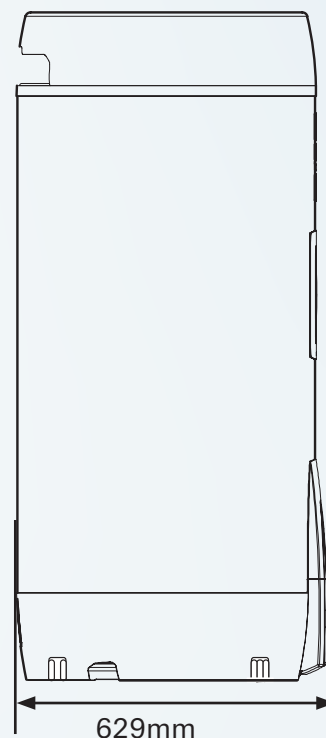
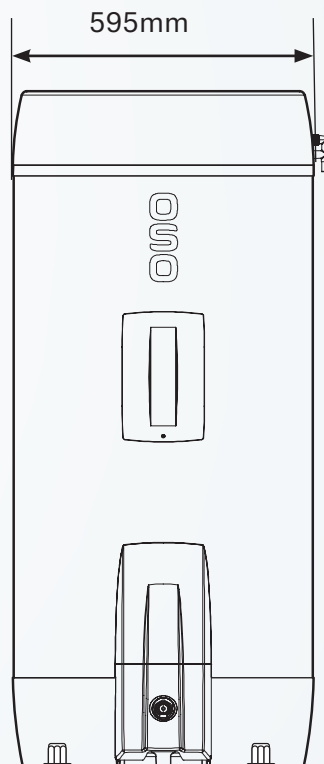
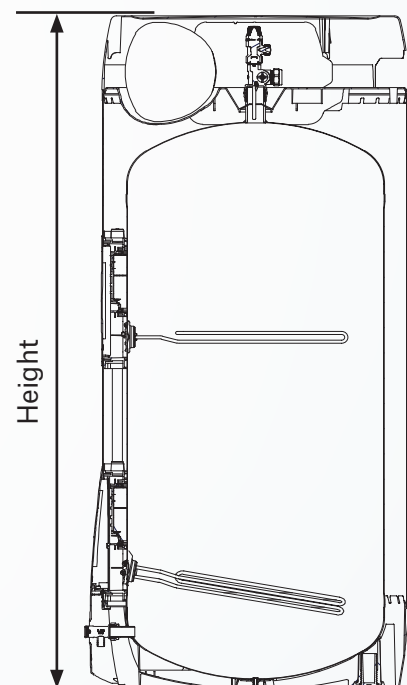
OSO

Super S₂X

Technical and performance specification



Heights mm					
120	150	180	210	250	300
920	1110	1200	1375	1645	1780



No	Description	Dim
1	Domestic hot water outlet (DHW out)	ø22 mm
2	Balanced cold water connection (Bal. CW)	ø22 mm
3	Cold water main supply inlet (CW in)	-
4	Line strainer	-
5	Pressure reducing valve - 3 bar	-
6	Temp&pressure relief valve - 90°C / 10 bar	1/2"
7	Hot water blending valve	-
8	Expansion relief valve - 8 bar	1/2"
9	Flexible hose and T-piece (120-250 l. only)	-
10	Expansion vessel(s) (120-250 l. only)	-
11	Flexible Y-hose	-
12	Tundish	-
13	Expansion vessel connection point	1/2" BSPM
14	Secondary Return - S2X 250-300 l. only	1/2" male / ø15

Description	Unit	S ₂ X 120	S ₂ X 150	S ₂ X 180	S ₂ X 210	S ₂ X 250	S ₂ X 300
Part number	-	11011685	11011686	11011687	11011688	11011689	11011690
Actual capacity of the water tank at 20°C	L.	115	151	176	202	254	280
Outer diameter of the tank	mm	595	595	595	595	595	595
Height of the appliance	mm	920	1110	1200	1375	1645	1780
Gross weight of the appliance	kg	28	40	42	44	50	56
Net weight of appliance once filled with sanitary water	kg	143	191	218	246	304	336
Material of element	-	Titanium Gr1	Titanium Gr1	Titanium Gr1	Titanium Gr1	Titanium Gr1	Titanium Gr1
Thermal insulation material	-	PUR	PUR	PUR	PUR	PUR	PUR
Thermal insulation of the tank, average thickness	mm	50	50	50	50	50	50
IP classification	-	21	21	21	21	21	21
Standby heat loss / 24 hour	kWh/24h	0.96	1.296	1.368	1.536	1.848	1.968
Standby heat loss	Watts	40	54	57	64	77	82
Thermal energy efficiency	%	37.4	37	37	37.4	38.5	37.4
Annual Electrical Consumption (AEC)	kWh	2737	4528	4524	4482	4349	4478
Load profile	ErP	L	XL	XL	XL	XL	XL
Hot water capacity V40°C*	L.	193	260	323	353	464	495
Primary flowrate for Reheat time & Primary heating power	l/h	900	900	900	900	900	900
Heat up (bottom element) 10°C - 45°	min	80	106	123	141	178	196
Heat up (bottom element) 10°C - 60°	min	134	176	205	235	296	326
Heat up (bottom element) 10°C - 75°	min	174	229	267	306	385	424
ErP class	Rating	C	D	D	D	C	D
Pressure information							
Maximum design pressure of cylinder (rated pressure)	MPa/Bar	1 / 10	1 / 10	1 / 10	1 / 10	1 / 10	1 / 10
Operating pressure of cylinder	MPa/Bar	3	3	3	3	3	3
Max. operating temperature of cylinder	°C	75	75	75	75	75	75
Expansion solution	-	GWS 3.5bar	GWS 3.5bar	GWS 3.5bar	GWS 3.5bar	GWS 3.5bar	GWS 3.5bar
Expansion vessel capacity	L.	8	8	2 x 8	2 x 8	2 x 8	2 x 8
Hydraulic connections							
Secondary return	mm	15	15	15	15	15	15
Cold water	Inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Hot water	Inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Immersion heater	Inch	5/4"	5/4"	5/4"	5/4"	5/4"	5/4"
Safety valve (factory fitted)	Inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
T&P valve (factory fitted)	Inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Pressure reducing valve	Inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical characteristics							
Supply voltage and frequency	VAC/Hz	220-240 VAC 50 Hz	220-240 VAC 50 Hz	220-240 VAC 50 Hz	220-240 VAC 50 Hz	220-240 VAC 50 Hz	220-240 VAC 50 Hz
Power of the electrical resistance	kW	3.0kW@240V 2.8kW@230V	3.0kW@240V 2.8kW@230V	3.0kW@240V 2.8kW@230V	3.0kW@240V 2.8kW@230V	3.0kW@240V 2.8kW@230V	3.0kW@240V 2.8kW@230V
Electrical installation	-	IET regs	IET regs	IET regs	IET regs	IET regs	IET regs
Thermostat type - junction box	-	Surface	Surface	Surface	Surface	Surface	Surface
Immersion Heater - Phase	Phase	single	single	single	single	single	single
Immersion thermostat - temp range	°C	45-75	45-75	45-75	45-75	45-75	45-75
Immersion thermostat - set temp	°C	75	75	75	75	75	75
Safety							
Safety valve opening pressure +/- 5%	Bar	8	8	8	8	8	8
T&P valve opening pressure/Temp.	Bar/°C	10/90	10/90	10/90	10/90	10/90	10/90
Safety thermostat cutout - Top	°C	N/A	85	85	85	85	85
Safety thermostat cutout - Bottom	°C	85	85	85	85	85	85

*Calculated value based on 75° Hot water mixed with 10° cold water