



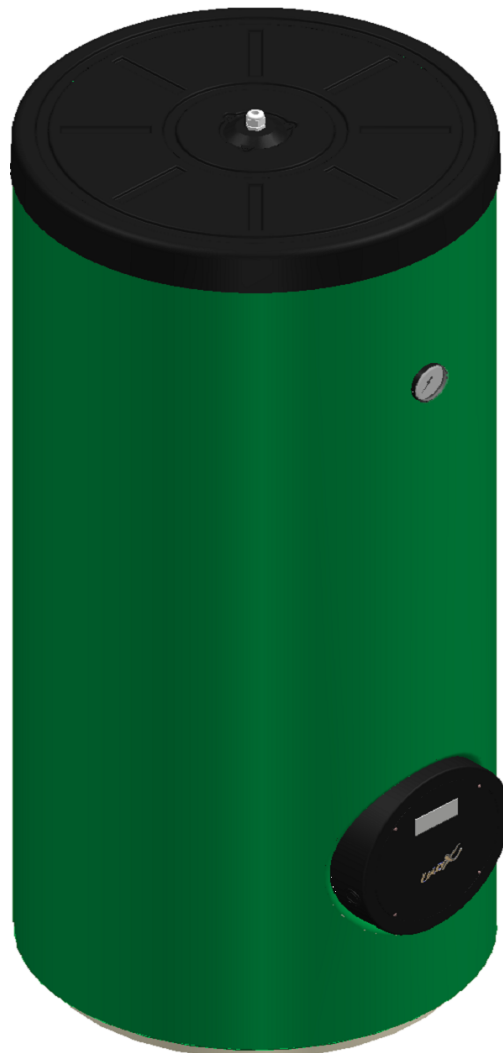
**ECO-KING**

**King Heating Products Inc. presents:**

# **THE ECO KING**

The Eco-King is a stainless steel single or double coil indirect fired storage tank. They are made from AISI 316L stainless steel welded with TIG and Plasma technology that guarantees maximum quality and durability. They can be connected to central heating systems, forced flow solar-powered systems and can be fitted with further integration systems.

Unique features include a 5" front inspection hatch, interchangeable zipper jacket, included and installed temperature sensor, T&P valve tapping, 316 stainless steel tank, 304 stainless steel coil(s), and all connections on one side making installation simple.



**King Heating Products Inc.**

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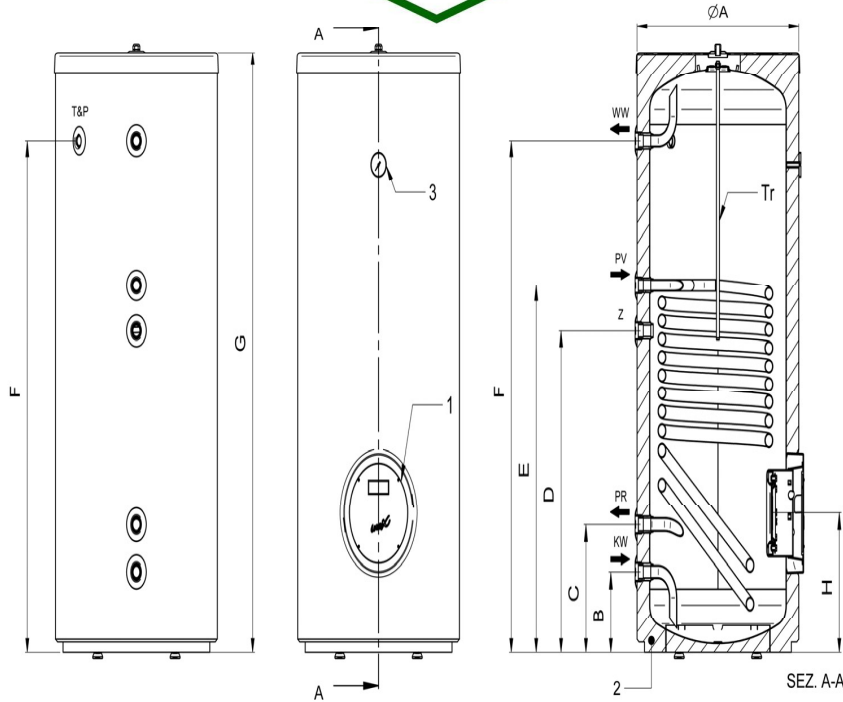
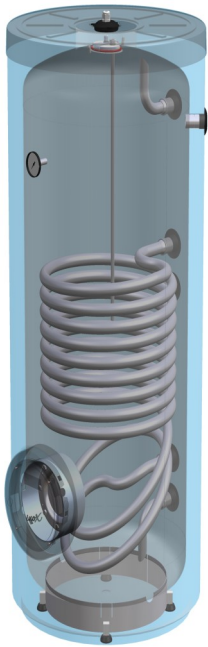
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# ECO-KING



KW	Domestic cold water inlet
WW	Domestic hot water outlet
PR	Boiler Return
PV	Boiler Supply
Tr	Thermostat sensor sheathing
Z	Recirculation
T&P	Temperature & Pressure Valve
1	Flange cover cap
2	Base
3	Thermometer

## Single Coil

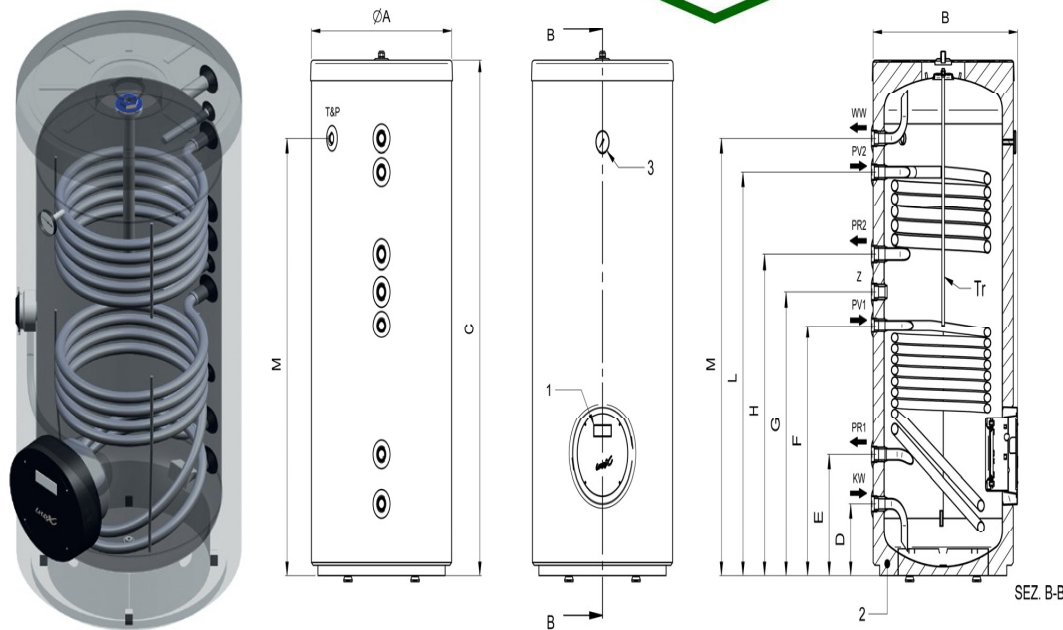
Model	Capacity	Heat Exchange Surface	Power ( $\Delta t$ 35°C / 95°F)	D.H.W. production ( $\Delta t$ 35°C)*	Heating time ( $\Delta t$ 35°C/ 95°F)*	Heat Loss 65°C	Primary Coil Flow Rate	Flow Resistance	Coil volume
	L / usg	ft <sup>2</sup>	BTU	usg/h	min	BTU/24h	usg/h	Psi	usg
ISSWX 120	120 / 32	6.46	92124	175	11	5118	528	1.66	1.4
ISSWX 160	160 / 42	8.61	124538	237	11	5800	528	1.70	1.8
ISSWX 200	200 / 52	10.76	138186	263	13	6824	528	2.58	2.3
ISSWX 300	300 / 79	15.07	201308	386	13	8188	793	2.03	3.1
ISSWX 400	400 / 106	21.35	276372	525	13	9553	793	2.65	3.8
ISSWX 500	500 / 132	25.83	310492	589	14	11259	793	3.40	4.6

Model	Max. op temp	Max. op pressure	Coil diameter	All fittings	T&P fitting	Net weight	A	B	C	D	E	F	G	H
	°C / °F	psi				Kg / lbs	in.	in.	in.	in.	in.	in.	in.	in.
ISSWX 120	95 / 203	145	1"	3/4"	3/4"	40 / 88	24	8	12	17	21	24	32	12
ISSWX 160	95 / 203	145	1"	3/4"	3/4"	43 / 95	24.02	7.68	12.01	19.69	26.18	30.51	40.16	12.4
ISSWX 200	95 / 203	145	1"	3/4"	3/4"	51 / 112	24.02	7.68	12.01	23.62	30.12	41.22	50.87	12.4
ISSWX 300	95 / 203	145	1 1/4"	1"	3/4"	87 / 191	25.6	8.27	12.6	30.91	35.43	49.8	59.65	13.7
ISSWX 400	95 / 203	145	1 1/4"	1"	3/4"	93 / 205	29.53	9.65	13.98	29.33	41.14	48.43	60.31	14.72
ISSWX 500	95 / 203	145	1 1/4"	1"	3/4"	110 / 242	29.53	9.65	13.98	35.24	44.69	58.86	70.75	14.72

Note:

\*Primary circuit temp 80°C (176°F)

# ECO-KING



KW	Domestic cold water inlet
WW	Domestic hot water outlet
PR1	Boiler Return (solar)
PV1	Boiler Supply (solar)
PR2	2nd Boiler Return
PV2	2nd Boiler Supply
Tr	Thermostat sensor sheathing
Z	Recirculation
T&P	Temperature & Pressure Valve
1	Flange cover cap
2	Base
3	Thermometer

## Double Coil

Model	Capacity	Coil Position	Heat Exchange Surface	Power ( $\Delta t$ 35°C / 95°F)*	D.H.W. production ( $\Delta t$ 35°C)*	Heating time ( $\Delta t$ 35°C / 95°F)*	Flow resistance	Coil Volume	Primary Coil Flow Rate	Heat Loss 65°C
	L / usg	Top/bot.	ft <sup>2</sup>	BTU	usg/h	min	psi	L / usg	usg/h	BTU/24h
ISSWWX 300	300 / 79	Top	8.61	139,993	221	19	1.89	6.5 / 1.7	774	8189
		Bottom	13.99	201,367	386	13	2.03	10.8 / 2.8		
ISSWWX 400	400 / 106	Top	8.61	139,993	221	25	1.89	6.7 / 1.8	774	9554
		Bottom	17.22	221,845	424	16	2.13	13.4 / 3.5		
ISSWWX 500	500 / 132	Top	8.61	139,993	221	31	1.89	6.7 / 1.8	774	11260
		Bottom	22.60	276,453	525	16	2.65	17.4 / 4.6		

Model	Max. op temp	Max. op pressure	All fittings / T&P fitting	Net Weight	A	B	C	D	E	F	G	H	L	M
	°C / °F	psi	in.	Kg / lbs	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
ISSWWX 300	95 / 203	145	1" / 3/4"	93 / 205	25.59	27.48	59.64	8.27	11.89	26.38	32.5	37.44	46.18	49.8
ISSWWX 400	95 / 203	145	1" / 3/4"	100 / 220	29.5	31.42	60.31	9.65	13.27	26.65	32.68	37.5	44.8	48.42
ISSWWX 500	95 / 203	145	1" / 3/4"	114 / 251	29.5	31.42	70.75	9.65	13.27	32.95	40.35	46.85	54.13	58.86

Note:

\*Primary circuit temp 80°C (176°F)

\*Secondary circuit temp 10 / 45°C (50 / 113°F)



## KEY FEATURES:

### ► Attractive Design

Green zipper jacket provides an attractive appearance and can be changed on order for other colours.

### ► 316L stainless steel tank and heat exchanger

Superior corrosion resistance when comparing to major competitor tanks.

### ► Simple installation and cleaning

All tapings on one side of the tank ensures easy installation. The 5" front inspection hatch can easily be removed making inspection & cleaning simple.

### ► Limited Lifetime Warranty

### ► Highly Efficient

High domestic hot water production when comparing to competitors. An installed temperature sensor ensures efficient operation and easy connection to boiler control or room thermostat (not included).

### ► Dedicated recirculation tapping

Saves time and money during install

### ► Variety of sizes and models

Sizes in single or double coil ranging from 32 to 132 usg. Double wall heat exchanger with leak detection will be available soon.

### ► Levelling Legs Included



\*\*\*Storage Tanks without heat exchanger coil now available (ISSX). Contact your distributor or Eco King for more information.\*\*\*

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