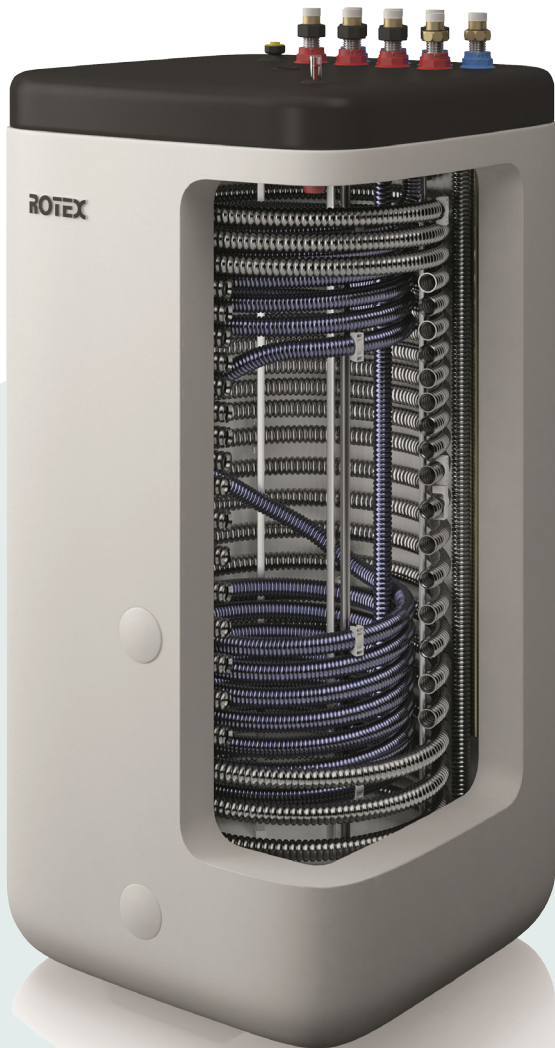




# SUN Equinox



## Hot Water Specialists

Providing safe, efficient, hygienic and continuous hot water solutions

 SUN Distributions



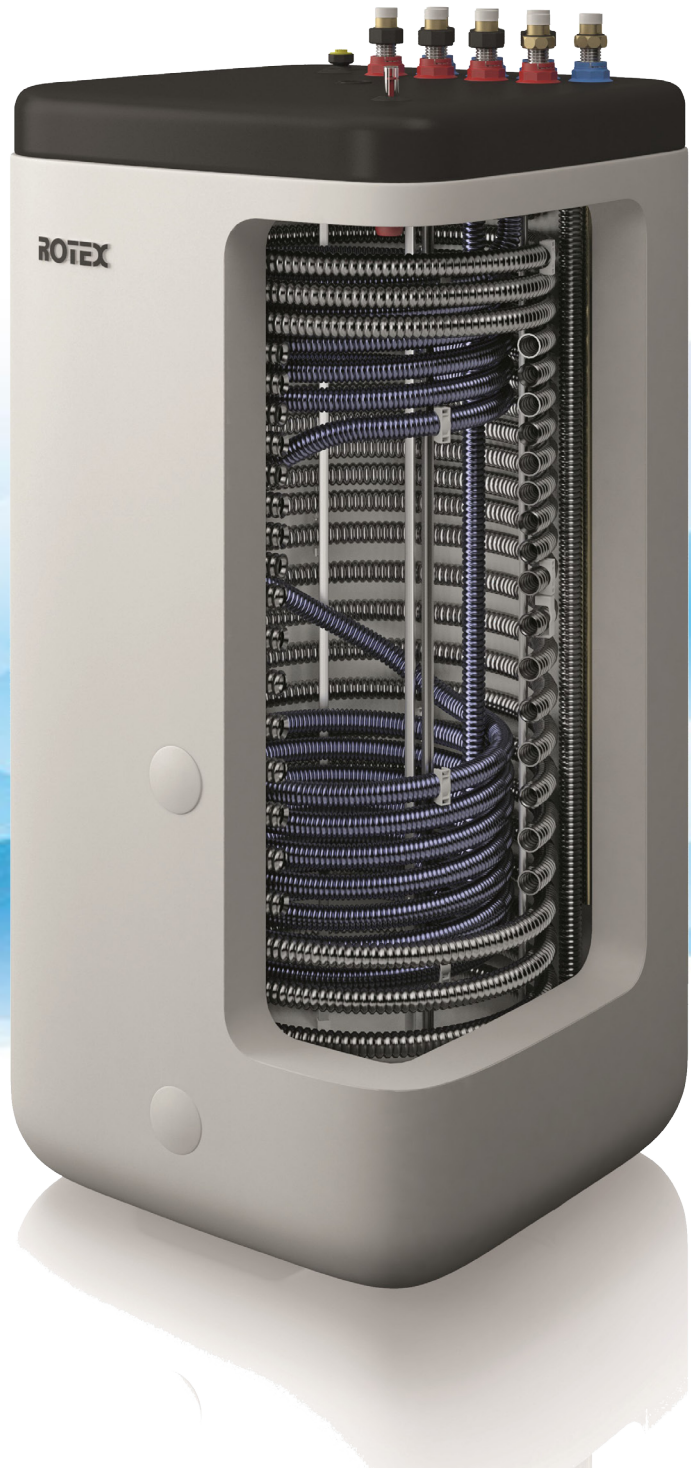
# Smart Hot Water

The SUN Equinox hot water packages offer the following:

- The low heat loss (1.62KW/24/hr @149°F) and high efficiency of the SUN Equinox package uses less fuel, therefore saving money and reducing CO2 emissions.
- SUN Equinox packages feature Inox coil/s, separating domestic hot water and stored hot water;
  - Stored hot water is heated by one or more external energy sources.
  - Mains pressure water flows through the Inox coil where it is heated.
- SUN Equinox ensures pure, clean water.
- SUN Equinox packages are unpressurized with a life expectancy of 40 years. This is backed with a 25 year warranty\* on the tank, and a 5 year warranty\* on the Inox coil, ensuring a lifetime investment.
- Heat exchanger coils prevent scaling of the heat source/s, therefore retaining factory efficiency. The Inox coil is rated to 145 PSI.
- Multiple heat sources can be connected to SUN Equinox packages, prioritizing the most cost effective energy source.
- The modular design of the SUN Equinox allows each hot water plant to match individual building requirements.

\*Subject to Warranty Conditions





# SUN Equinox System Product Features

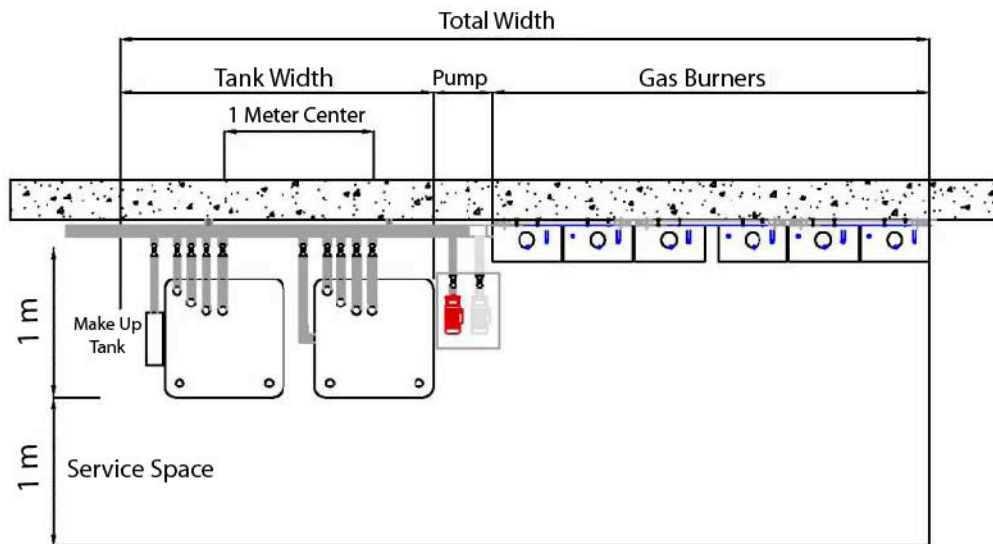
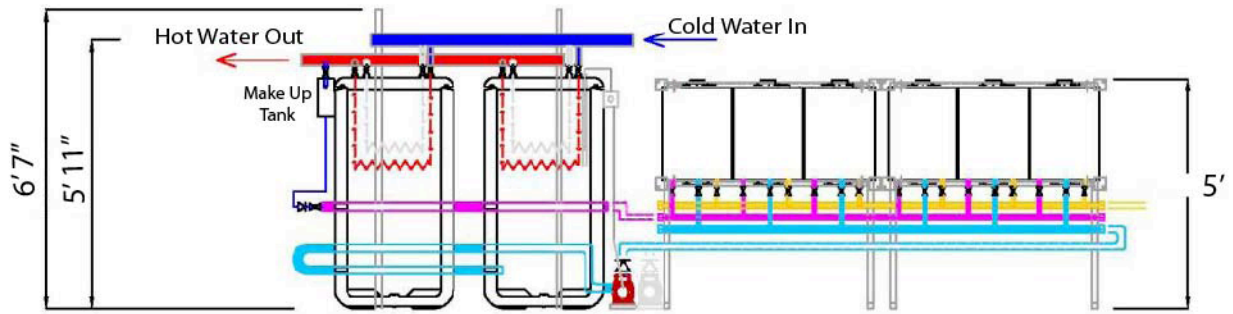
- Atmospheric Vessel
- Low Heat Loss
- Hygienic Water Delivery
- Low Scaling
- Modular Configuration
- Storage Volume: 132 Gallons
- Tank Weight Empty: 216 lb
- Operating Pressure: 145 PSI

Dual Coil SUN Equinox 132 Gallon / NC-199 In A Line									
Model	SUN Equinox	NC-199 Burners	Gallons In Peak	Gallons Recovery	Tank Width ft	Gas Burners ft	Total Width ft	DHW Pipe Inch	Primary Pipe Inch
1/1 Dual	1	1	343	264	3.61	1.64	6.56	1.25 - 1.5	0.75
1/2 Dual	1	2	608	528	3.61	3.35	8.53	1.25 - 1.5	1.25
1/3 Dual	1	3	872	793	3.61	4.92	9.84	1.25 - 1.5	1.25
2/2 Dual	2	2	687	528	6.89	3.35	11.81	2	1.25
2/3 Dual	2	3	951	793	6.89	4.92	13.12	2	1.25
2/4 Dual	2	4	1215	1057	6.89	6.78	15.09	2	1.5
2/5 Dual	2	5	1479	1321	6.89	8.36	16.73	2	1.5
2/6 Dual	2	6	1744	1585	6.89	9.93	18.37	2	1.5
3/4 Dual	3	4	1294	1057	10.17	6.69	18.37	2.5	1.5
3/5 Dual	3	5	1559	1321	10.17	8.36	20.01	2.5	1.5
3/6 Dual	3	6	1823	1585	10.17	9.93	21.65	2.5	1.5
3/7 Dual	3	7	2087	1849	10.17	11.79	23.95	2.5	2
3/8 Dual	3	8	2351	2113	10.17	13.37	25.59	2.5	2
3/9 Dual	3	9	2615	2378	10.17	14.94	27.23	2.5	2
4/6 Dual	4	6	1902	1585	13.45	9.93	24.93	2.5-3	1.50
4/7 Dual	4	7	2166	1849	13.45	11.79	27.23	2.5-3	2
4/8 Dual	4	8	2430	2113	13.45	13.37	28.87	2.5-3	2
4/9 Dual	4	9	2695	2378	13.45	14.94	30.51	2.5-3	2
4/10 Dual	4	10	2959	2642	13.45	16.80	32.48	2.5-3	2
4/11 Dual	4	11	3223	2906	13.45	18.46	34.12	2.5-3	2.5
4/12 Dual	4	12	3487	3170	13.45	19.95	35.43	2.5-3	2.5
5/9 Dual	5	9	2774	2378	16.73	14.94	33.79	3	2
5/10 Dual	5	10	3038	2642	16.73	16.80	35.76	3	2
5/11 Dual	5	11	3302	2906	16.73	18.46	37.40	3	2.5
5/12 Dual	5	12	3566	3170	16.73	19.95	38.71	3	2.5
5/13 Dual	5	13	3830	3434	16.73	21.81	40.68	3	2.5
5/14 Dual	5	14	4095	3698	16.73	23.39	42.32	3	2.5
5/15 Dual	5	15	4359	3963	16.73	24.96	43.96	3	2.5
6/10 Dual	6	10	3117	2642	20.01	19.95	41.99	3 - 4	2.5
6/11 Dual	5	11	3381	2906	20.01	19.95	41.99	3 - 4	2.5
6/12 Dual	5	12	3646	3170	20.01	19.95	41.99	3 - 4	2.5
6/13 Dual	5	13	3910	3434	20.01	21.81	44.62	3 - 4	2.5
6/14 Dual	5	14	4174	3698	20.01	23.39	46.26	3 - 4	2.5
6/15 Dual	5	15	4438	3963	20.01	24.96	47.90	3 - 4	2.5
6/16 Dual	5	16	4702	4227	20.01	26.82	49.54	3 - 4	2.5
6/17 Dual	5	17	4966	4491	20.01	28.40	51.18	3 - 4	3
6/18 Dual	5	18	5231	4755	20.01	29.97	52.82	3 - 4	3

Standard designs, can be altered to suit site conditions. Other configurations available.  
Shaded pipework: connect major joints on site.

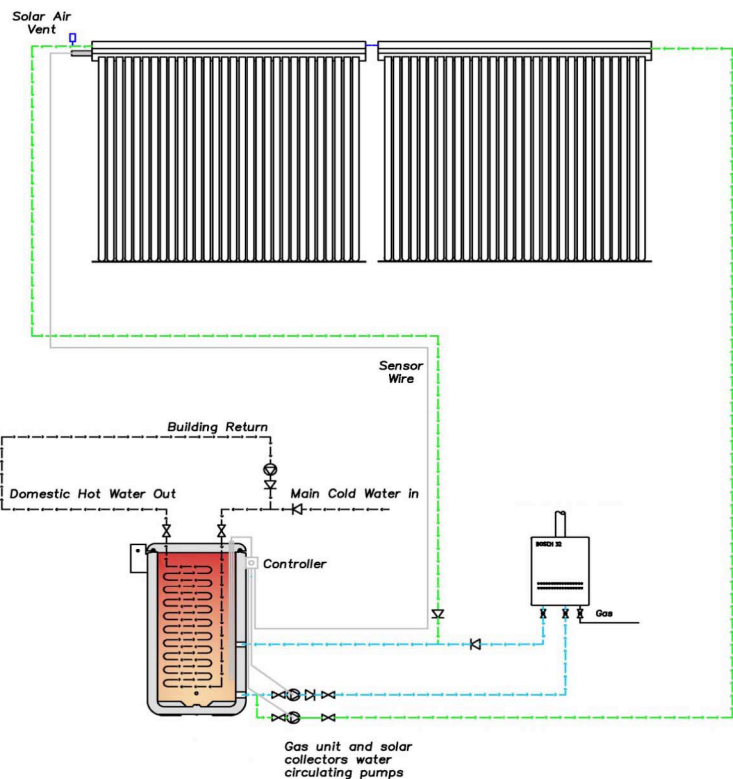


# System Diagram



## Dual Fuel Options

- Solar/Gas
- Gas/Electric
- Waste Heat/Gas
- Electric Heat Pump/Gas
- Mechanical/Gas





## Introducing

Photovoltaic Water Heating System for the SUN Equinox



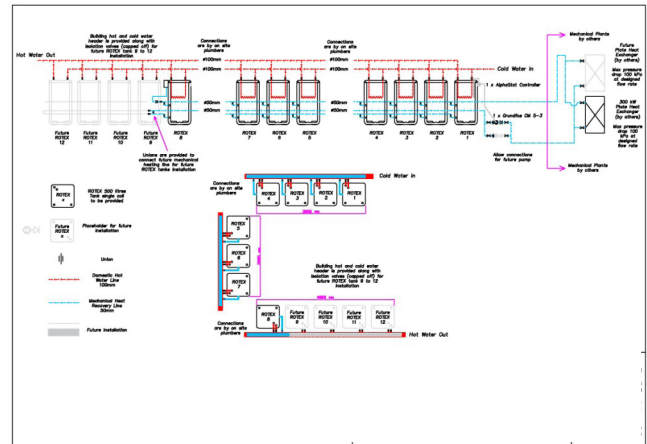
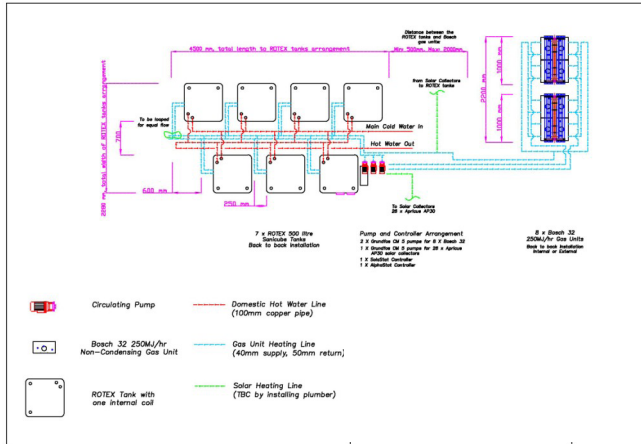
**Hot Water**  
from  
**PV Panels!**

How ELWA (electric water heater) works:  
An integrated MPP-Tracker uses maximum DC energy for the heating rod. There is NO need for an AC grid connection. During rainy days or at night ELWA provides hot water from AC. The desired temperature can easily be adjusted by a single control knob.  
Patented!

- Uses 100% of your PV energy
- Easy Installation
- AC backup heating included
- Lower price than Solar Thermal Systems
- Optional USB interface for data recording
- No maintenance, no moving parts
- No pumps, No piping, No insulation
- No thermal heat losses on transfer



# SUN Equinox



SUN Distributions has a proud tradition of supplying safe, efficient, hygienic and effective heating solutions while maintaining a professional and open approach to our clients and their individual hot water needs.

We are the North American distributors of the SUN Equinox heating system and associated products. Engineered in Germany, the SUN Equinox product range encompasses quality and technology. We manufacture the SUN Equinox heating systems to suit your individual circumstances and needs.

SUN Distributions can custom design a solution for your own individual hot water requirement. We design your package to fit your circumstance, so you are treated as an individual valued client from start to finish, not just a number for a “one size fits all” attitude.

This experience, attitude and professionalism is the corner stone for our enjoyed success through the years. Our passionate and dedicated staff ensure that they do all they can to provide the product quality and service you deserve.

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Sustainable Energy Products Australia

November 2016  
Specifications are subject to  
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