

KRONOTERM

Smart heating solutions

THE HEART
OF YOUR
COMFORT

Efficient **DHW**
heating solution.

PREMIUM
BRAND

SLO/EU
MADE

— 25 —
YEARS


COMPREHENSIVE
SOLUTIONS

50.000

CUSTOMERS



More than **50.000** satisfied customers!

For over 25 years, our firm Kronoterm has intensively been working on the development and production of heat pumps for DHW and space heating, heat pumps for the heating of pools, cooling systems for the cooling of machinery and refrigeration devices for the clarification of young wine and the cooling of wine. A team of flexible and qualified employees represents the basis of our firm, built on knowledge, experience, constant research and development of the leading-edge technology.

Quality assurance is a basis for a reliable and long-term functioning of a product. The main focus of our firm is reliability and quality of the products, therefore we have our own laboratory, where developing and testing of new products takes place. At the end of the production line all products are 100 per cent tested and controlled. The testing is carried out for the entire lifespan of a heating sy-

stem. In the production of heat pumps we only use high-quality components by recognized manufacturers, such as: Danfoss, Luve, Copeland, Swep, Alfa Laval, Austria Email, Honeywell, Ziehl Abegg, Ebm Papst, Alco, Tecumseh, Grundfoss, Willo, etc.

Our heat pumps are sold not only in Slovenia, but also in other European countries.

Together with the domestic market sales, we have assured the possibility to use natural energy resources to over 50.000 users. Furthermore, over 100 wine producers use Kronoterm refrigeration systems to cool their cellars and wine.

Additionally, our heating and cooling systems are installed, not only in private residential houses, but also in numerous other buildings, such as schools, kindergartens, office buildings, factories, public buildings, production facilities, airports, schools, swimming pools, hotels, etc.

In future development and business, Kronoterm strives to further expand the production and marketing of the systems for tap water heating, the systems for heating and cooling of buildings, ventilation systems and systems for the exploitation of waste water.

The grounds for all development are the production and marketing of the cooling and heating systems, adjusted to every customer's needs. The basic idea is to exploit renewable energy sources for the lowest costs possible, and hence to reduce the pollution of the environment and the consumption of fossil fuels.



KRONOTERMS1

You don't need a lot of water?

Model | WP1 LF-101

- Heating power 1 kW
- Volume of the DHW boiler 100 l
- Additional electric heater 1.5 kW
- Sufficient for hot water use for 1 to 4 persons
- An ideal opportunity for holiday houses, apartments or smaller flats
- It takes up little space or the same as an electric boiler
- Rotation compressor for efficient and silent operation
- Controller "Optitronic 2/100"

KRONOTERMS2

A model suitable for every user.

- Heating power 2 kW
- DHW boiler volume 200 or 270 litres.
- The models have an additional 1.5 kW electric heater and a photovoltaic output
- Easy use
- KRONO-FLEX system for air intake



STAR

An advocate for the simple.

Model | WP2 LF-202B, WP2 LF-302B

- Entry-level model KRONOTERM - easy use/regulation
- An economical solution in terms of quality/cost
- Manual switch for additional electric heater
- Manual setting for the antilegionella programme



SILVER

Premium design and silent operation.

Models | WP2 LF-202S, WP2 LF-302S

- Optitronic controller - easy use with the help of an LCD display
- Photovoltaic input
- Excellent savings and investment ratio
- Additional 1.5 kW electric heater with automatic antilegionella programme function
- Low tariff setting



ECO

NEW **COP* 4.0**



For all who want only the best.

Models | WP2 LF-202E, WP2 LF-302E

- Models with air duct connection have a defrost function, this is why their operation range is also below -7 °C.
- The most efficient model
- Serial photovoltaic input and circulation pump
- The best solution for maximum savings
- Remote control function with the application Water.Kronoterm
- Controller Optitronic 2 - control via LCD screen/application: schedules, quick heating function...



KRONOTERMS^{MAX}

Run out of hot water? Never!

Model | WP4 LF-502

- Heating power 4 kW
- DHW boiler volume 450 litres
- Two additional electrical heaters with 2 kW each
- For larger consumers of hot water, for instance: apartment houses, kindergartens, schools
- Air duct connection system
- Defrost function, operation range also up to -7 °C



KRONOTERMS^T

If the existing DHW boiler is good enough.

Models | WP-F2-1 in WP-W2-1

- Heating power 2 kW
- The model WP-F2-1 is suitable for installation with the existing DHW boiler with a side flange of a diameter of 180 mm
- The model WP-W2-1 is suitable for wall installation and water connection to an existing boiler
- Compact model

* in combination with the DHW HT 300 ER, Austria Email

Technical data

Commercial model name	Model 2016	Heat pump	Heating power	Version	Water tank designation	Generation	Heating power (kW)	Electrical power (kW)	COP* heating number EN 16147	Operating range (°C)	Volume of the DHW (l)	Maximum quantity of mixed water (l)	Surface of the pipe heat exchanger (m2)	Dimensions (height x diameter - mm)	Mass (kg)	Energy class
S1	WP1 LF-101	WP	1	LF	10	1	0.92*1	0.26*1	2.4	-7 - 35	100	115	/	1250 x 520 x 520	75	A
Star	WP2 LF-202B	WP	2	LF	20	2B	1.85*1	0.44*1	3.3	10 - 35	200	284	0.91	1698 x fi635	128	A
	WP2 LF-302B	WP	2	LF	30	2B	1.85*1	0.44*1	3.3	10 - 35	270	372	1.2	2030 x fi635	145	A
Silver	WP2 LF-202S	WP	2	LF	20	2S	1.85*1	0.44*1	3.8	5 - 35	200	271	0.91	1698 x fi635	128	A
	WP2 LF-302S	WP	2	LF	30	2S	1.85*1	0.44*1	3.8	5 - 35	270	376	1.2	2030 x fi635	145	A
ECO	WP2 LF-202E	WP	2	LF	20	2E	1.85*1	0.44*1	4.0	-7 - 40	200	271	0.91	1698 x fi635	128	A
	WP2 LF-302E	WP	2	LF	30	2E	1.85*1	0.44*1	4.0	-7 - 40	270	376	1.2	2030 x fi635	145	A
S ^{max}	WP4 LF-502	WP	4	LF	50	2	3.83*2	0.98*2	3.9	-7 - 35	450	576	1.76	2070 x fi750 (794)	240	A
S ⁱ	WP-F2-1	WP	F2*3			1	1.83*1	0.48*1	2.8	8 - 35	/	/	/	480 x 710 x 780	31	A
	WP-W2-1	WP	W2*4			1	1.83	0.48	2.3	8 - 35	/	/	/	480 x 330 x 780	37	A

More efficient models of DHW heat pumps today achieve an A+ class which shall enter into force on 26th September 2017

*COP (coefficient of performance) - heating number: represents the ratio between gained heat energy and work used for the operation of the heat pump (electricity)

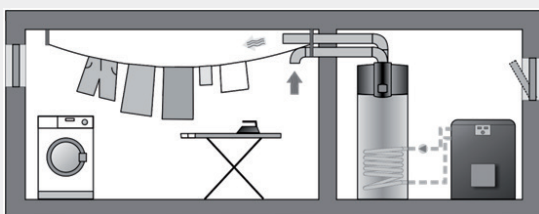
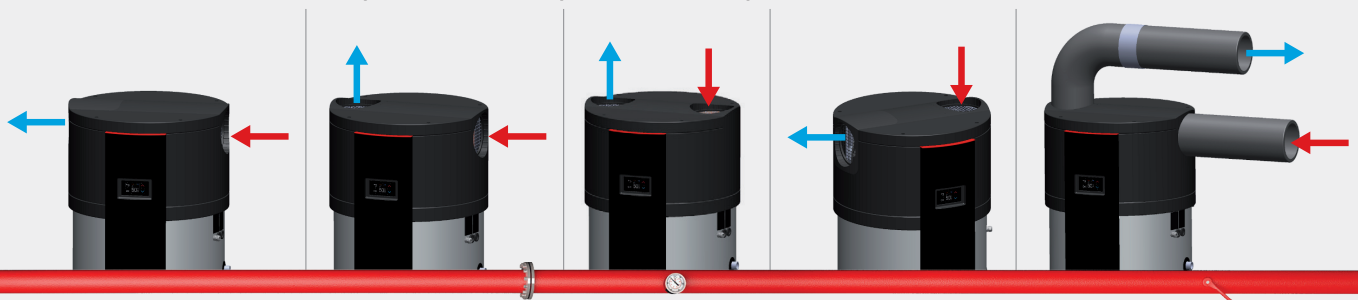
*1 electrical and heating power is higher when the 1.5 kW electric heater is turned on (in the case of WP-F2-1 it is 1.2 kW)

*2 one 2 kW heater or two heaters, 2 kW each, can be turned on additionally

*3 installation on the flange with a diameter of 180 mm of the existing DHW boiler

*4 installation on the wall with water connection to the existing DHW boiler

KRONO-FLEX – an adaptable air input and output system



Lower your costs of DHW. For as much as four times!

Advantages of heating DHW with a DHW heat pump.

Apart from heating the building, heating DHW is the second largest expense in a family budget. After more than 25 years on the market, today it goes without saying that a heat pump is the most economical way of heating DHW. The costs comparison of heating DHW for an average Slovenian family with various energy sources proves the above statement.

The cheapest way of heating DHW is closely followed by solar collectors (SWH) if they are placed in an ideal position. But this is only true until we compare the investment. The investment into SWH is usually 2 x higher than an investment into a DHW heat pump.



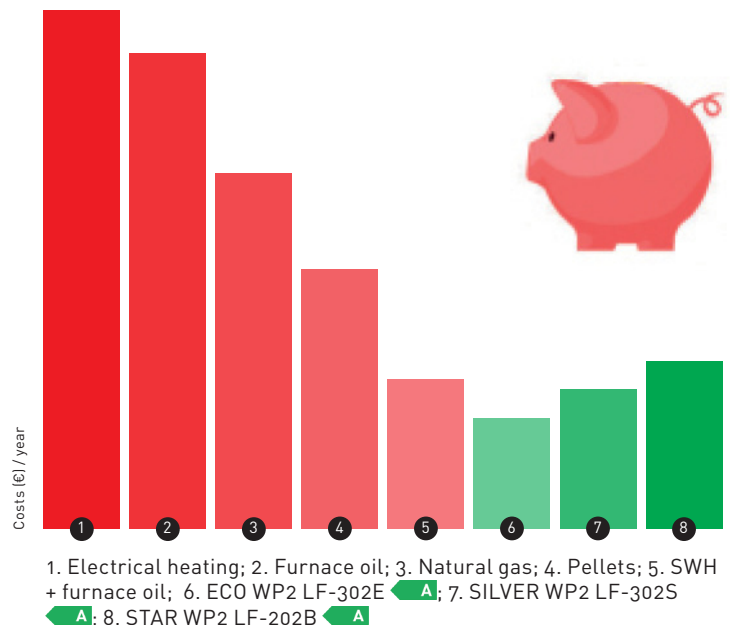
Main reasons ...

... why choose a Kronoterm heat pump for heating DHW?

1. Savings with the heating costs of more than four times.
2. The most ecologically friendly heating method - lowers CO2 emissions for more than 62%.
3. Very short return of investment - 6 to 7 years, if we subtract the cost for the boiler which we need in any case, the return period is lowered for a couple of years more.
4. In addition to heating DHW, we also get free basement, storage or small space cooling.
5. Possibility of independent use during the whole year or connection to any kind of heating DHW because some of the independent DHW heat pump have a serial pipe register built in. A particularly popular version is the combination with the wood or biomass furnace - it is not worth to fire it up in the heat of the summer and thus households without a heat pump were left with no hot water in the summer.
6. In comparison with solar collectors, the investment is two times smaller, there is hot water throughout the year, there are no problems during installation and maintenance.
7. Own manufacturing with more than 25 years of experience.
8. One of the best heat pumps in Europe.
9. More than 50,000 satisfied customers.
10. Own development and testing laboratory.

Example of use in the case of a family of four 50 l of water/person per day

Costs of heating the DHW for an average family with various heating systems (in EUR/year); prices on 1th March 2015.



Water.KRONOTERM for DHW pumps

Access to data and managing the DHW from your home armchair, workplace or holiday vacation. It also provides remote help and technical support.



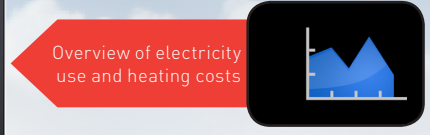
Controlling the DHW from anywhere and at any time



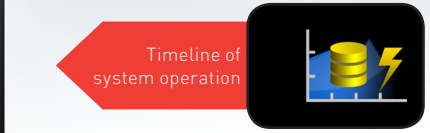
Controlling the alternative source



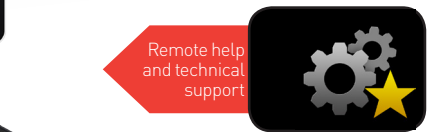
Schedules



Overview of electricity use and heating costs



Timeline of system operation



Remote help and technical support

www.kronoterm.com

DHW heat pump operation KRONOTERM



Certificates, acknowledgements, memberships



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