

PRE-HEATERS | PASSENGER CARS

TREAT YOURSELF TO THE COMFORT OF A
PRE-HEATER – NO MORE ICE SCRAPING!



PASSENGER CARS



A WORLD OF COMFORT





NOW ALSO **AVAILABLE FOR MANY NEW VEHICLE MODELS** FROM MERCEDES-BENZ, BMW, VW, SEAT, AND SKODA!



NEVER SCRAPE ICE OFF YOUR WINDOWS AGAIN WITH A PRE-HEATER FROM EBERSPÄCHER

Have you accomplished a lot and you now want to enjoy the finer things life has to offer? You also know that the most valuable currency of all is your time? Then you and your family should treat yourselves to the luxury and comfort offered by a pre-heater from Eberspächer. The days of getting up early in the morning to scrape ice off your car windows are finally over. For high-end cars in particular, the purchase price of a pre-heater is very low compared to the price of the vehicle, although its benefits are considerable.

The benefits of an Eberspächer pre-heater are plain to see: get in and feel good, enjoy perfect all-round vision and arrive safely. All this while protecting the environment and your car thanks to the warmed-up engine. A pre-heater from Eberspächer is the perfect combination of luxury, comfort, and safety.

The latest generation of our heaters produces almost no emissions. Additional fuel consumption is so low that it is usually offset by the reduced consumption of the pre-heated engine. What's more, the new Hydronic 2 Comfort is one of the fastest and most easy-to-use pre-heaters in the world. Thanks to an integrated thermal management system, the time needed to heat the vehicle is approximately 60% shorter than with its predecessor, the Hydronic 1. This very brief lead time means that the pre-heater can also be activated at short notice. No other pre-heater offers you this kind of flexibility!

Our new EasyStart family of products offers a broad range of user-friendly control features to make it easy for you to enjoy the comfort of Eberspächer pre-heaters. Compact dimensions, a particularly attractive look, and high-quality workmanship make these new remote controls a real gem for any key ring.

Use the time you save in the morning to share breakfast with your family, to exercise, or to prepare for your work day. That is the big difference between you and your neighbors, who – wearing scarves, hats, and gloves – laboriously scrape their car windows, while you have long since retired your ice scraper.

AT A GLANCE:

- Maximum comfort – never scrape ice again
- Extremely short heating time (Hydronic 2 Comfort)
- Protects the engine and the environment
- Uses minimal fuel
- Exclusive option – especially in premium cars
- Easy to use thanks to new control elements
- Simple installation at your specialist workshop



GO ON, TREAT YOURSELF – A SUMMARY OF THE BENEFITS

Maybe you are asking yourself if purchasing a pre-heater is really worthwhile. After all, you already have a garage for your vehicle, you feel that the device only uses additional fuel, and that you can only take advantage of this comfort a few days of the year anyway. Let us reassure you – there is much more in favor of a modern pre-heater than you might see at first glance.

Your Eberspächer pre-heater protects the engine, your wallet, and the environment. And it does so every time you start your car.

A SUMMARY OF THE MAIN BENEFITS OF AN EBERSPÄCHER PRE-HEATER:



GREATER COMFORT:

Not only do you no longer have to waste time scraping the ice off the windows in the morning – a pre-heater also ensures you have a pleasantly warm car to get into after playing sports or after a wellness treatment, after an evening trip to the cinema, or after a concert. A pre-heater is also a true status symbol and should be found in every high-end car.



GREATER SAFETY:

The Eberspächer pre-heater ensures that your windows are thawed on time for your departure and do not fog up. A clear view of the road and no need to wear a thick winter jacket at the steering wheel – for real safety!



LESS BURDEN ON THE ENGINE:*

A cold start puts as much of a burden on the engine as 70 kilometers of highway driving. You can prevent this by using a modern pre-heater: not only does it heat the interior, it also heats the engine via the cooling circuit. The extremely wear-inducing cold-start phase is avoided, which helps to maintain your vehicle's value.

* Applies to Hydronic 2 Economy



LESS FUEL CONSUMPTION:*

An engine warmed by a pre-heater consumes considerably less fuel when starting and during the first few minutes of driving, because the engine's cold-starting or warm-up phase does not occur. As a rule, this easily offsets the extra fuel required to operate the pre-heater.



FEWER POLLUTANTS:*

The pollutants emitted during a warm start are around but also protects 60 percent lower than during a cold start. This not only eases your conscience but also specifically protects the environment. Pollutant reduction is therefore one of the strongest arguments in favor of using a pre-heater.



A GENUINE YEAR-ROUND TALENT:

Winters at our latitudes last much longer than we realize. Ice in April is not unusual! And the first minus sign often appears on the thermometer in October. On hot summer days, select pre-ventilation and you can keep your car supplied with fresh outside air while it is parked as well.

* Applies to Hydronic 2 Economy



HOW COMFORTABLE HEAT IS PRODUCED

The basic principle of pre-heaters is to heat the passenger cabin in all kinds of vehicles, so that the driver and passengers do not have to rely on the heat given off by a running engine. The Eberspächer pre-heater is a water heater that impresses with its high performance, reliability, simple operation, and long service life.

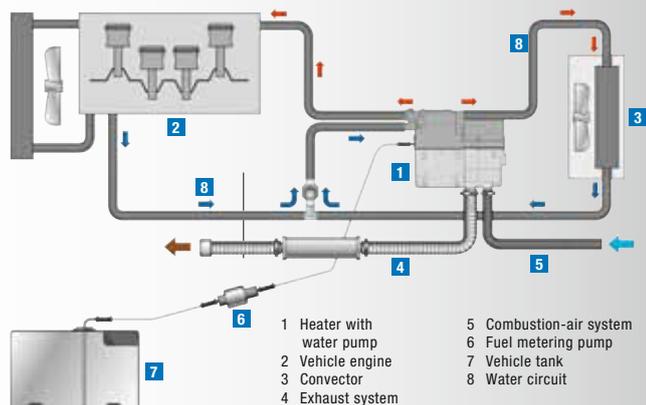
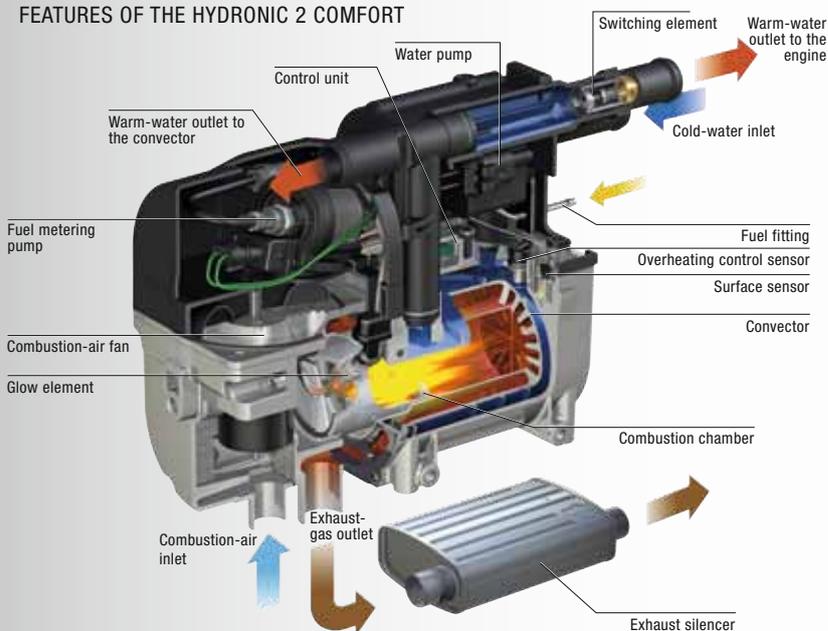
Integrated into the engine's coolant circuit and connected to the fuel tank, the pre-heater gives off its heat to the vehicle's own convector. The vehicle's heating system passes finely metered quantities of warm air to the car's interior. In addition, the pre-heater warms the engine's coolant circuit, thereby preventing harmful cold starts.

When installing the new Hydronic 2 Comfort, however, a bypass is placed in the circuit. Until a specific temperature is reached, the pre-heater warms only the small circuit between the pre-heater and the convector. The vehicle's interior heats up very quickly and the windows are swiftly cleared for an unobstructed view of traffic.

And when summer comes? The pre-heater simply becomes a ventilation system! A quick press of a button on your remote control and the Eberspächer pre-heater removes hot air from the passenger cabin. No sweat!

Specify the required start time of your pre-heater with a digital timer. Those who don't live by the clock and would like to switch the car heating on remotely as required will opt for activation by remote control or even by cell phone.

FEATURES OF THE HYDRONIC 2 COMFORT





THE RIGHT SOLUTION FOR EVERY REQUIREMENT

Eberspächer pre-heaters are available in a range of power ratings – always to suit your personal requirements and your vehicle. Whether for a small car, sedan, SUV, or van – with a pre-heater from Eberspächer, you'll always make the right choice. Your dealer can advise you in detail about the correct heater and also provide you with information on installation and use.

The Hydronic models from Eberspächer with 4 or 5-kW heating output are suitable for all popular makes of vehicle: from premium small cars to powerful sedans and vans with large passenger cabins. Depending on the vehicle model and respective engine type, a range of pre-heaters is also available for your vehicle. The small, compact device fits easily into the engine compartment and is extremely simple to install and maintain.

Specifying the exact vehicle type is extremely important when installing a pre-heater. Specific installation kits are available for many popular models to further simplify installation in your vehicle and save you even more money.

AT A GLANCE:

The professionals at your workshop can install an Eberspächer pre-heater with little effort, because specific installation kits are available for most vehicles. **Naturally, your vehicle warranty remains unaffected by the installation of a pre-heater.**

COMPACT CAR
SEDAN
 OFF-ROADER
 MICROVAN
 SMALL BUS
SUV
 ROADSTER
 VAN
 COMPACT CLASS
 LARGE SEDAN
 MIDSIZE CLASS
PREMIUM CLASS
 PREMIUM
 STATION WAGON
 SPORTS CAR
 CABRIOLET
SOFTROADER



NEW VERSION ON
FALL 2014





OUR NEW GEMS FOR YOUR PRE-HEATER

We have completely redeveloped our EasyStart family so that you can quickly and conveniently enjoy all the comforts of an Eberspächer pre-heater. The most important aspects we asked our developers to keep in mind were ease of use and simplicity of design. The result is a new generation of control elements. Thanks to their intuitive design, attractive look, and high-quality workmanship they are one of a kind! These new remote controls are real gems for any key ring. Moreover, EasyStart Call allows you to operate your pre-heater conveniently by smartphone app. The new EasyStart family – the latest in pre-heater operation.



EASYSTART REMOTE:

Small, sophisticated, and discreet: Turn your pre-heater on and off easily with EasyStart Remote, the particularly compact remote control. An optical LED feedback function controls communication. The pre-heater can then be started from a distance of up to 1,000 meters.



EASYSTART REMOTE+:

Small, sophisticated, and multi-functional: Make all of the necessary settings for your pre-heater easily with the new remote control, EasyStart Remote+. Whether you want to quickly turn it on or off or pre-program start times, everything is done using a high-resolution matrix display. Its range is also up to 1,000 m.



EASYSTART CALL:

EasyStart Call is especially convenient in conjunction with modern smartphones. An innovative app available free-of-charge from the Apple App Store or Google Play transforms the touchscreen into a control panel. The application discreetly transmits all settings directly to the vehicle's GSM module. Thanks to simple and intuitive navigation, you can operate your pre-heater with increased convenience wherever you are – regardless of range!



PRE-HEATER TECHNICAL DATA

OPERATION WITH E10 FUEL
POSSIBLE WITHOUT LIMITATION

PASSENGER CAR PRE-HEATERS						
Model		Hydronic		Hydronic 2 Economy		Hydronic 2 Comfort
Heat output	kW	4	5	4	5	5
Average consumption for a 30-minute heating phase (diesel models)*	l	0.20	0.22	0.19	0.22	0.22
Thermal management**		Optional	Optional	Optional	Optional	Standard
Gasoline units: Multi-fuel capability (ethanol)		E10	E10	E10	E85****	E85****
Diesel units: Multi-fuel capability up to 20 % FAME****		No	No	Yes	Yes	Yes

* Calculated average consumption with 15 minutes at High level and 15 minutes at Low level. Actual consumption varies according to the external temperature and the vehicle size (interior, engine).

** If heating the interior takes priority, a valve provides the correct distribution of heat between the engine and the interior.

*** 20% biodiesel-compatible in accordance with FAME DIN EN 14214

**** E85 fuel line kit

**EXPERT TIP:**

Visit our website at your leisure for detailed information on our heaters, the control elements, installation, and costs – all with no obligation. All it takes is a few clicks to find your nearest Eberspächer partner.

www.eberspaecher-standheizung.com

www.eberspaecher-standheizung.ch

www.eberspaecher-standheizung.at

CONTROL ELEMENTS TECHNICAL DATA

CONTROL ELEMENTS			
Model	EasyStart Remote Remote control	EasyStart Remote+ Remote control	EasyStart Call* Telephone remote control
Order number	22 1000 34 23 00	22 1000 34 17 00	22 1000 34 01 00
Description	Basic version	Convenience version	Operated by voice menu, text message, or smartphone app (available for iPhone and Android)
Functions	<ul style="list-style-type: none"> ▪ Heating/ventilation on/off ▪ Operating time adjustable 	<ul style="list-style-type: none"> ▪ Heating/ventilation on/off ▪ Program/delete pre-select mode ▪ Long-press function for immediate heating ▪ A second heater/auxiliary device can be operated 	<ul style="list-style-type: none"> ▪ Heating/ventilation on/off ▪ Operating time adjustable ▪ Program/delete pre-select mode ▪ Status check
Timer programming	—	<ul style="list-style-type: none"> ▪ 3 programming locations within 7 days ▪ Selection of individual days of the week or one of three time periods (Mon–Fri / Sat+Sun / Mon–Sun) 	<ul style="list-style-type: none"> ▪ 3 programming locations within 7 days ▪ Selection of individual days of the week or one of three time periods (Mon–Fri / Sat+Sun / Mon–Sun)
Timer programming: autom. calculation of heating time	—	Yes	—
Immediate start-up mode running time	Adjustable 10, 20, 30, 40, 50 or 60 min.	Adjustable 10 – 120 min.	Adjustable 10 – 120 min.
Pre-ventilation**	Yes	Yes	Yes
Interior temperature display	—	Yes	Yes
Feedback	<ul style="list-style-type: none"> ▪ Data transfer successful ▪ Status: Heater ▪ Status: Connection to the heater 	<ul style="list-style-type: none"> ▪ Data transfer successful ▪ Status: Heater and timer ▪ Status: Connection to the heater 	<ul style="list-style-type: none"> ▪ Status: Heater and timer ▪ Feedback by voice output or text message ▪ Status: Connection to the heater
Range	Up to 1 km under optimum conditions	Up to 1 km under optimum conditions	Unlimited (given network coverage)
Display	Two-tone LED	LED matrix display	Display via smartphone app

* SIM card: 1.8-V or 3-V SIM card/pre-paid card from a network operator supporting the GSM 900/1800 (D-net, E-net) standard in Europe; use outside of country of purchase may incur roaming fees for EasyStart Call for outgoing or incoming text messages or incoming calls. Roaming fees may also be incurred near borders due to network overlap. EasyStart Call is not designed for use in conjunction with other control elements.

** Depending on heater type

EBERSPÄCHER'S COMPREHENSIVE PRODUCT RANGE ALSO OFFERS HEATER SYSTEMS FOR MOTOR HOMES, BUSES, AND YACHTS.

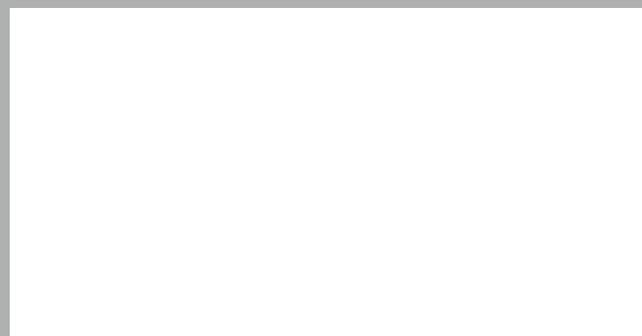
MORE INFORMATION IS AVAILABLE FROM ANY OF OUR 5,000 SERVICE PARTNERS WORLDWIDE.

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