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# THE COMPLETE RENEWABLE PACKAGE SOLUTION

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# KODIAK PREPLUMB SAMSUNG MONOBLOC HEAT PUMP

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## SAMSUNG MONOBLOC HEAT PUMP

- Compatible with all low temp. systems
- High seasonal energy efficiency
- Up to 60°C water supply
- Easy to install - Easy to control
- Operation Range down to -20°C
- Higher capacity at low ambient temperature
- 7 year warranty upon completion of training course

## KODIAK PREPLUMB

- High efficiency smooth tube coil
- More precise control through actuator zone control & integral bypass
- Compact design for improved aesthetics
- Prewired / pre commissioned in production
- Available in 5 standards and 3 slimlines

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# RIVA ALUMINIUM RADIATORS



With its compact design and its attractive linear shape, RIVA provides a high thermal emission with a low water content and a reduced inertia.

The performance of this radiator perfectly combines with modern heating systems and is an effective response to the need for reduction of energy costs.

- Available in even number modular sections
- Ideal for use with Heat Pumps
- 15 years guarantee
- Suitable for Low and High Temperature Heating Systems
- High Thermal Output

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# UNDERFLOOR HEATING COMPLETE SOLUTIONS



Underfloor heating is a way to evenly and effectively add radiant heating to your home.

At Joule we correctly design & indemnify your proposed underfloor heating installation. Our experts can help design the perfect system for your home and needs.

Systems will be designed to ensure a high level of comfort and energy efficiency for the homeowner and with our comprehensive product range we can offer solutions for any project or budget.

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# SAMSUNG HTQ

## EHS MONO HT QUIET

## HIGH TEMPERATURE, LOW NOISE HEAT PUMP



The EHS Mono HT Quiet, a high temperature, low noise heat pump ideal for the residential renovation market. It combines advanced features and new technologies to achieve high water temperatures and low noise levels. Additionally, the stylishly designed heat pump is capable providing 100% heating performance\* even in extremely cold weather (temperatures as low as -25°C<sup>1</sup>). It is also easy to install and maintain.

Its enlarged heat exchanger transfers more heat at once, and a new Scroll Compressor compresses refrigerant at higher pressure, so it works reliably in cold temperatures.

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## HOT WATER TEMPERATURES OF UP TO 70°C

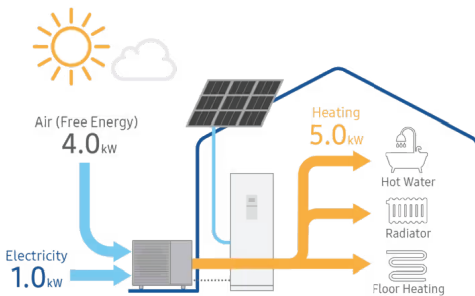
Many houses in Europe are using older radiators that require a hot water temperature of 65°C or higher to heat rooms effectively. Most regular heat pumps operate at temperatures between 55°C - 60°C. The new EHS Mono HT Quiet on the other hand, is able to consistently provide hot water of up to 70°C for domestic heating purposes. This can make it a suitable replacement for gas boilers, as they provide a high leaving water temperature.

## 35 D(BA) QUIET OPERATION

Powered by innovative noise reducing technologies, the EHS Mono HT Quiet (Quiet Mark Certified) operates at noise levels as low as 35 d(BA)<sup>5</sup>, using a 4-step Quiet mode. The heat pump's outdoor unit features a double-layered, sound insulation system fitted with a patented Groove Grid Felt design, which effectively blocks and absorbs noise produced by compression parts and vibrations.

## EFFICIENT HEATING

The EHS Mono HT Quiet is a heat pump system that provides energy efficient heating (SCOP\* of A+++)<sup>2</sup> and hot water for your home. To generate 5.0kW of energy, it consumes only about 1kW of electricity and collects the rest from the air<sup>3</sup>.



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# SAMSUNG R290 HS MONO HEAT PUMP



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## DISCOVER OUR NEW HOME SOLUTION

Meet Samsung's newest editions to its EHS heat pump line-up: the EHS Mono R290 and EHS R290 Pump, a heating solution for residential homes. Available in a broad range of capacities, the newest additions use R290: a refrigerant with a much lower GWP (only 3) compared to other refrigerants. EHS Mono R290 and EHS R290 Pump consistently provides consumers with hot water of up to 75°C<sup>1</sup> for domestic heating purposes. This can make it a suitable heating system replacement in older residential spaces. It boasts a reliable heating performance due to its larger heat transfer area, enabling it to deliver a 100% heating performance in temperatures as low as -10°C<sup>1</sup>.

## A broader range of capacities

The EHS Mono R290 and EHS Mono R290 Pump is available in a broader range of capacities fitting with varying project requirements – 5, 8, 12, and 16 kW. The 5 and 8 kW units are only 850mm in size, compared to the larger 12 and 16 kW units which measure approximately 1000mm.

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# HOT WATER TEMPERATURES OF UP TO 75°C

Many older houses in Europe are still using radiators which require a hot water temperature of 65°C or higher to heat rooms effectively. The new EHS Mono R290 and EHS Mono R290 Pump is able to consistently provide hot water of up to 75°C<sup>1</sup> for domestic heating purposes. This can make it a suitable heating system replacement in older residential spaces that have been previously dependent on gas boilers for their heating needs.



## SAVE INSTALLATION TIME

The hydraulics components, like the pump and expansion tank, are included in the EHS Mono R290 Pump as well as the control kit and the wifi kit assuring that this significantly saves time and effort during the installation as well as the servicing process. Furthermore, it requires less indoor space and it is set-up for being SmartThings and EHS cloud services ready.



**Smart connectivity**

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# ZENITH

## PREPLUMB CYLINDER

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### COMPLETE HEATING AND HOT-WATER SOLUTIONS

Zenith is a newly designed pre-plumbed high gain cylinder that comes with an intergral buffer tank for improved efficiency.

#### KEY FEATURES:

- Smooth Tube High Efficiency Coil
- Available in 6 capacities including slimlines
- 2 Heating Zones Plumbed and Wired as Standard
- Pre-Fitted Magnetic Filter
- Part Factory Commissioned
- Integral buffer tank provides system volume to assist with defrost cycle and improves system efficiency

Zenith cylinders are compatible with Samsung HT Quiet, R290 and Monobloc Heatpumps to suit individual requirements.



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# ZENITH

## ZENITH LITE

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### PRE-PLUMBED CYLINDER WITH ALL THE BENEFIT'S OF ZENITH ZERO AND:

- Universally compatible with any domestic heat pump (non-wired)
- Buffer heating return pump fitted
- 3-port diverter valve
- Fill & flush flow meter
- Integrated filling loop with pressure gauge
- Heating circuit distribution manifold
- Space saving with slimline option available
- Heating PRV (Pressure Relief Valve)
- Automatic Air Vents (AAV) for both heating and hot water coil
- Drain cocks for heating and hot water
- Time saving on installation
- Available capacities 150L – 300L



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# ZENITH

## ZENITH ZERO

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UNPLUMBED, INTEGRATED BUFFER VESSEL  
AND DOMESTIC HOT WATER CYLINDER



### KEY FEATURES:

- Universally compatible with any domestic heat pump
- Integrated buffer vessel
- Option for 3kw backup heater into the buffer vessel
- Space saving with slimline option available
- Time saving on installation
- No need for separate buffer vessel or volumizer
- Available capacities 150L – 300L
- Supplied with full 3G kit
- 25 year warranty (2 year parts warranty)

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# STELFLOW

## UNVENTED CYLINDERS



Stelflow unvented cylinders offer a fresh new look with an improved shape, modern styling, and added functionality. Manufactured from Duplex Stainless Steel and supplied with innovative components, they deliver quick recovery, low heat loss, and fast-flowing hot water to single or multiple outlets. The redesigned model includes upgraded features such as a new cold feed dip pipe, lower heat loss values, and higher, faster heat-recovery rates. Each Joule Stelflow cylinder is carefully constructed using quality components and engineered with performance in mind.

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**INVACYL**  
UNVENTED CYLINDERS

The Joule Invacyl unvented cylinder is designed to work with hot water boilers and has a sleek white outer case giving it the white goods look that is aesthetically pleasing. It offers a smooth tube and high-efficiency coils as standard for efficient heat-up times.

Our Invacyl Cylinder comes with branded quality Caleffi safety temperature and pressure safety release valve and is supplied with screwed connections with compression fittings for faster installation.



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Modul-AIR Exhaust Air Heat Pump (EAHP) provides mechanical ventilation with heat recovery (MVHR), domestic hot water (DHW) & heating via radiators or underfloor (UFH).

This solution is best suited for new build flat developments. It uses the waste heat from the extract ventilation through a heat pump cycle to provide the heating and hot water for the dwelling.

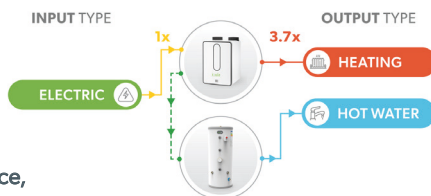


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# MODUL-AIR EXHAUSTAIR HEAT PUMP

## MODUL-AIR

- Stand alone heating, hot water & ventilation system
- Decentralised solution for high density flat developments
- cMEV or MVHR, ensuring Part F compliance
- Heat pump COP of up to 4.9 (A20/W35)
- Lower running costs
- Full compliance with Part L and SAP/DEAP using an all-electric solution
- Beneficial in an Overheating Risk Analysis
- Lower CAPEX and OPEX cost versus district heating
- No occupier standing charges or scheme management fees
- No gas connection, major plantroom maintenance, metering or billing



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# COMMERCIAL CYLINDERS

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3 & 6 bar  
models



Multi Energy,  
Indirect & Solar



300L-1000L



KIWA  
certified



Fully compliant  
for G3  
installations

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# JOULE GROUP

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