



NRG Link

Interlink open solid fuel systems to sealed heating systems in a patented and uniquely safe way.



***NRG Link** complies with all regulations, manufacturer's guidelines & established good practices in the industry.*

What is NRG Link?

NRG link is the only procurable, regulation-compliant product pre-configured to safely interlink open gravity circuit solid fuel or biomass appliances with sealed-system boilers and heat pumps.

Safe and reliable system interlinking

A team of engineers and installers developed the NRG Link to simplify the installation process when interlinking open to sealed systems. It incorporates long-established control and piping strategies and principles in a logical installer-friendly unit.

Product Features:



Complies with all installation guidelines and industry best practices.



NRG Link saves space, complexity and installation time.



It makes it easier to add renewable energy or open solid fuel systems to boilers & heat pumps.



Pre-piped, pre-wired and pre-insulated and access to facilitate easy maintenance.



Automatic boiler changeover as stove reaches temperature.



Removes issues with quenching and other mechanical devices that compromise system safety.



Regulation-compliant way to heat pressurised DHW with solid fuel.

Technical Data

NRGLINK



Electric Supply 230V AC +/- 10% 50-60Hz

Dimensions (HxWxD) 350 mm x 320 mm x 325 mm

Weight ≈ 12 kg

Max Operating Temperature 85 °C

Max Pressure < 3 Bar

Heat Transfer Capacity 20 kW

Plate Exchanger

Circuit	Primary	Secondary
Circuit Fluid	Water	Water
Fluid Flow Rate	1.75 m ³ /h	1.75 m ³ /h
Fluid Speed	0.2182 m/s	0.2177 m/s
Inlet Temperature	75 °C	56 °C
Outlet Temperature	65 °C	66 °C
Pressure Drop	0.696 mH ₂ O	0.710 mH ₂ O
Partial Exchange Coefficient	21137	20229

Pipe Thermostat

Temperature Range 30 °C – 90 °C

Factory Setting (on primary return position) 55 °C

OPEN SYSTEM TO SEALED SYSTEM INTERLINKING

Safe Interlinking

NRG Link uniquely complies with all installation guidelines and industry best practices for interlinking multi-pressure systems

A proper fail-safe and compliant solid fuel system design must allow the created heat to circulate safely from the appliance without obstruction to prevent dangerous overheating and promote efficient heat distribution.

NRG Link facilitates the essential fully open gravity circuit, an open expansion and a cold feed.

For sealed-to-open interlinked systems to operate safely and effectively, each system must be able work independently without compromising functionality or safety requirements. The NRG Link allows the open system to work safely and independently, even in the event of a power failure.

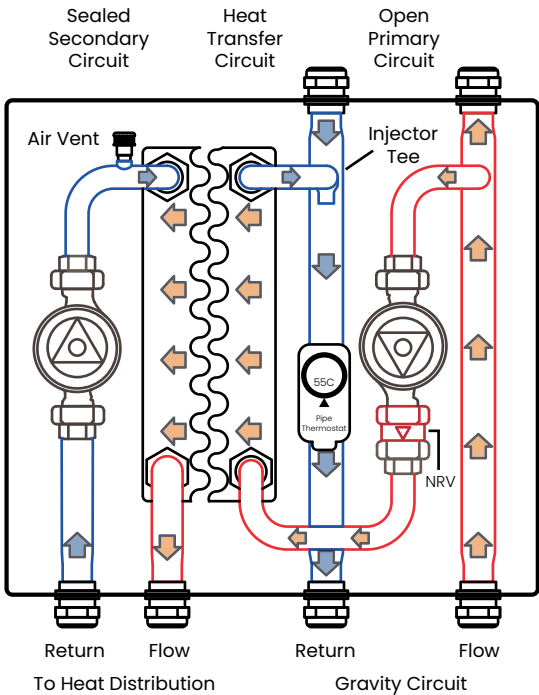
The unit includes all the critical features to safely transfer the heat from a solid fuel appliance to a sealed heating system quickly and efficiently.

NRG Link uses simple interlinking solutions to solve complex and troublesome problems



How it Works

Incorporating an open primary gravity circuit and injector-based secondary heat transfer circuit



NRG Link becomes part of the open system's primary gravity circuit through the primary circuit, which includes a heat dissipation device, typically a heat leak radiator.

The unit's pipe thermostat controls the primary and secondary pumps to only operate when the open-vented appliance reaches its set point, saving energy and preventing corrosion in the appliance.

When activated, the primary pump circulates water from the gravity flow pipe through a check valve, the plate heat exchanger, and an injector tee before returning it to the gravity return pipe. The secondary pump takes the heat from the heat exchanger and delivers it to the sealed heating system.



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