**Warmflow High Efficiency Ground Source Heat Pump Ecodesign End-of-Life Information**

**Commission Regulation (EU) No 813/2013**

**End-of-Life Information**
Warmflow High Efficiency Ground Source Heat Pumps must be disposed of according to local regulations by using a public or private waste collection service.

**Safety Risks**
Prior to disassembly, the appliance should be electrically isolated and disconnected.

Refrigeration gas (R410A) should be recovered and disposed of by an F-Gas registered engineer.

Any fluids within the appliance must be drained, and disposed of in-line with local regulations.

Care should be taken when handling the appliance due to weight, use appropriate PPE and lifting aids.

Polyisocyanurate foam insulation – suitable PPE should be used for respiration protection, and to avoid skin or eye contact.

**Disassembly of the Product**
The main materials of the components are:

* Mild Steel
* Stainless Steel
* Copper
* Brass
* Polyisocyanurate Foam
* Neoprene Foam
* Polyurethane Foam
* Plastic Components
* Electronic Components

These may be recycled – depending on the local recycling facilities available.

The appliance is assembled by using mechanical fasteners and can be disassembled with standard tools.

The components of a typical appliance are shown below (not all components may be fitted, depending on appliance specification)

**Casing and key components**



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| Item  | Description | Main Materials | Special Notes |
| 1 | Casing | Coated Galvanised Steel |  |
| 2 | User Interface | Plastic, Electronic Components |  |
| 3 | Circulating Pumps | Steel, Stainless Steel, Plastic | Consult Component Manufacturer |
| 4 | Drip Tray | Plastic |  |
| 5 | Flow Sensors | Plastic |  |
| 6 | Filter | Steel, Ceramic |  |
| 7 | Pipework Assembly | Copper, Brass, Neoprene Foam |  |
| 8 | Receiver | Steel, Copper |  |
| 9 | Compressor | Steel, Copper, Rubber | Consult Component Manufacturer |
| 10 | HE Box | Stainless Steel, Galvanised Steel, Polyisocyanurate Foam,  | Wear Appropriate PPE |
| 11 | Casing Foam | Polyurethane Foam |  |
| 12 | Expansion Vessel | Steel, Rubber, Brass | Consult Component Manufacturer |
| Others | Electronic Devices | Plastic, Electronic Components | Consult Component Manufacturer |

Various other brackets, fasteners and components may be used, with up to 5% of appliance weight