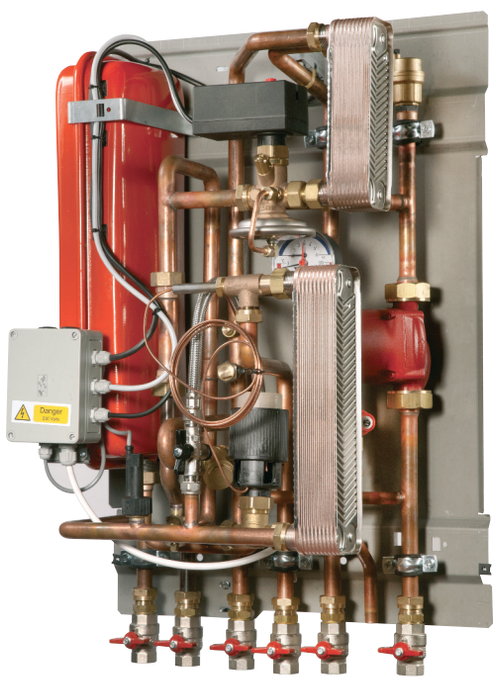
MiniBreeze

Consumer Interface Unit



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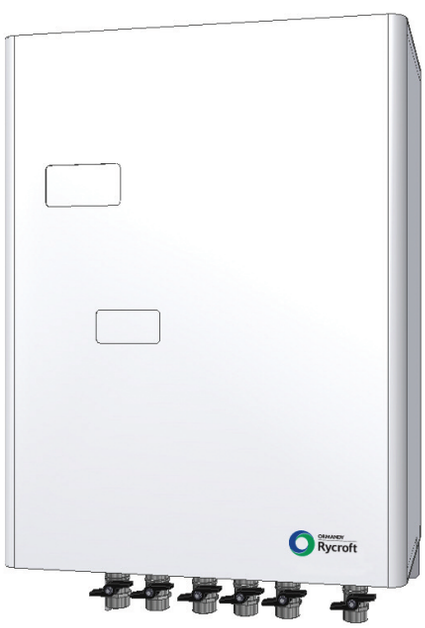
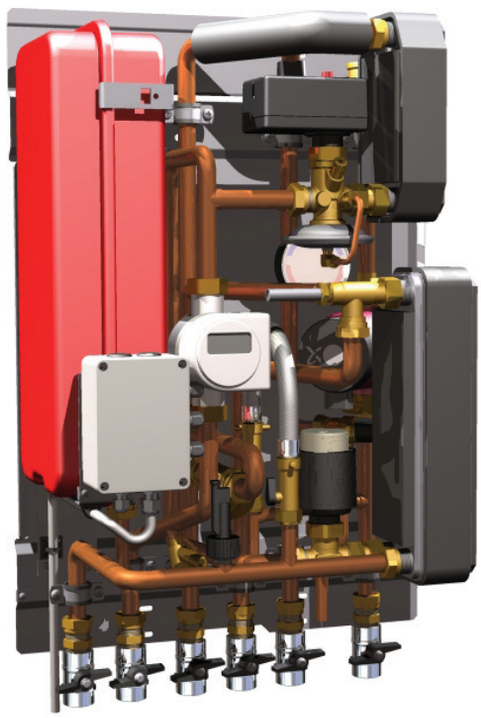
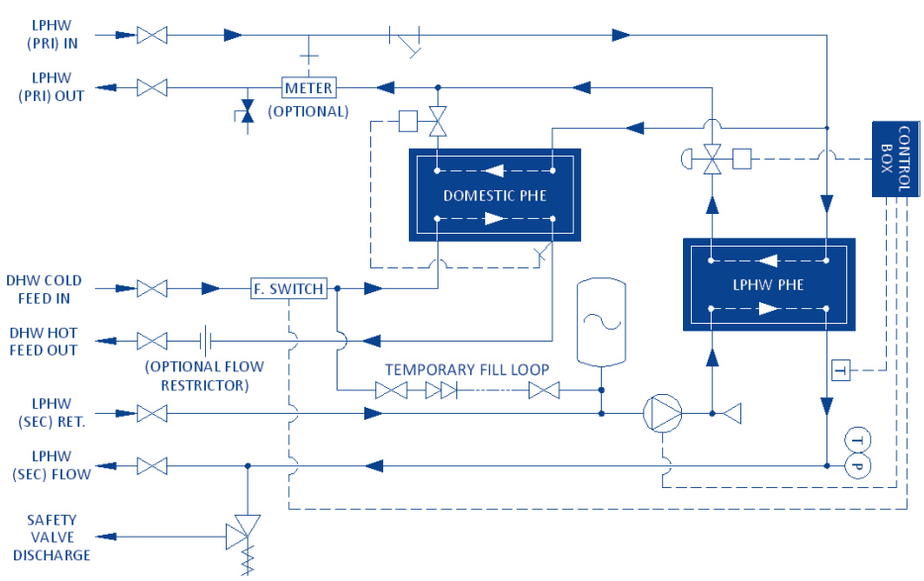
COMMERCIAL WATER HEATING

Energy efficiency and energy conservation are key factors in the modern building environment; the application of sustainable energy sources promotes the use of centralised hot water and district heating systems. The Ormandy MiniBreeze enables clients to utilise and optimise these systems with the added benefit of precise temperature control at the point of use.





The MiniBreeze Consumer Interface Unit gives both the end user and installer all of the features they have come to expect from a premium heating appliance in a package size that complements existing boiler dimensions.



Satisfying

The MiniBreeze provides both domestic hot water and space heating. The unit can be used for traditional radiator circuits as well as underfloor heating applications. Quiet, compact and efficient, the MiniBreeze is a perfect fit in modern water heating systems.

Practical

The needs of both the installer and end user have been carefully considered in the design of the appliance. The unit is both easy to maintain and easy to use. Locations of all the key components within the unit have been considered to allow a compact design without compromising access for service engineers.

Reliable

Dependability is at the heart of the MiniBreeze appliance. All the components have been selected to provide dependable and long lasting performance.

Efficient

Using the latest design of heat exchangers, together with an intelligent control system that reacts rapidly to the demands of the heating and hot water systems, means the unit offers extremely high efficiency to the end user. The MiniBreeze is supplied with an integral 'A' energy rated pump.

Installation & Servicing

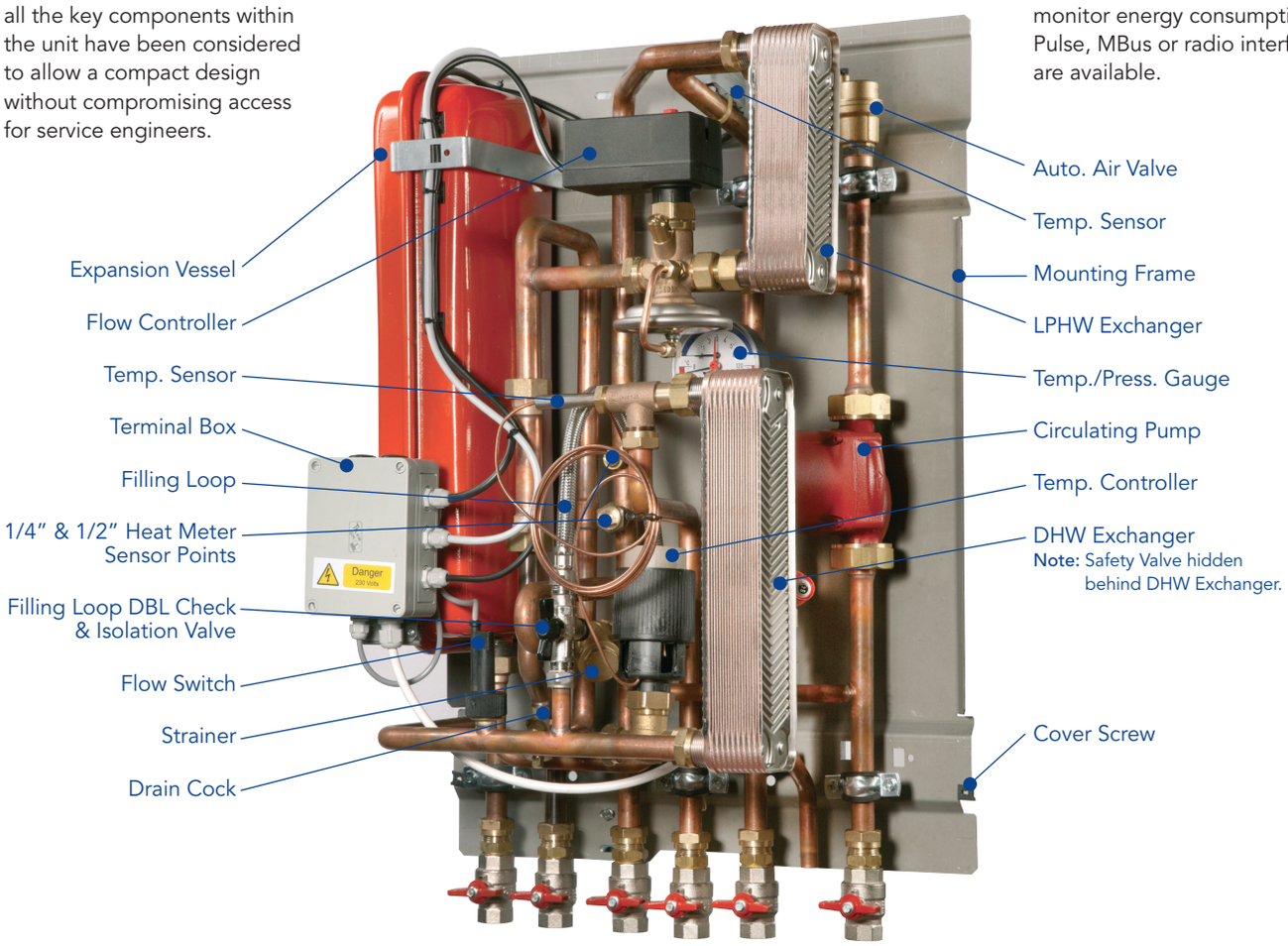
The MiniBreeze is supplied c/w mounting facilities for easy installation on a suitable surface. Simple connection of pipe work and power without the need for gas services or an external flue will reduce installation time considerably. Future serviceability has been considered throughout the design of the MiniBreeze, no special tools are required and the appliance does not require an annual safety service.

Safe

The MiniBreeze appliance uses hot water from a central boiler plant, with heat transferred through the heat exchangers in the appliance, to provide heating and hot water. There is no gas or other fuel required by this appliance. And therefore the chance of a gas leak or carbon monoxide being given off by a faulty appliance is eliminated.

Metering

An optional heat meter can be supplied to allow landlords to both manually or remotely monitor energy consumption. Pulse, MBus or radio interfaces are available.



Special Features

- Frost monitoring and automatic initiation of protective action in standby mode. (requires primary flow)
- Fixed set point control function, used to control the heating circuit to a fixed set point.
- Ideally suited for use with traditional radiator or under-floor central heating system.
- Pump protection on extended period of no demand, pump runs to a predefined schedule.
- MiniBreeze is supplied pre-programmed and incorporates a balancing valve on primary circuit, little or no commissioning is required on site.
- Independent isolation of heating circuit in periods of no demand such as summer or holidays.
- Heat exchangers are tailored to the specific contract requirements.
- MiniBreeze has been designed to fit in a standard kitchen cupboard.
- All wetted components on DHW circuit are WRAS approved.

Options

- Optional priority for the Domestic Hot Water circuit.
- Appliance prepared for addition of heat metering.
- Internal electronic control system is programmable either by direct connection from a PC or via a dedicated memory pen.
- A dedicated room sensor can be connected.
- Fixed set point control with a dedicated room sensor, the set point is changed by variation in the room temperature. (Requires room sensor)
- Appliance ready for weather compensated control of the heating circuit. (Requires external temperature sensor)
- Service entry from the top or bottom of the unit.
- Fixed flow limitation valve is available on DHW circuit.
- First fix rail.

Technical Data

Height (with cover)	660mm
Width (with cover)	495mm
Depth (with cover)*	275mm
Maximum Lift Weight	30kg
Total Packed Weight	38kg
Flue Required	NO
RHS & LHS Clearance	<5mm
Minimum Top Clearance	20mm
Minimum Bottom Clearance	200mm
Electrical Supply Voltage	230V A.C.
Electrical Supply Frequency	50Hz
Service Supply Connections	G3/4" BSP
Safety Valve Discharge Pipe	Ø22mm OD
Expansion Vessel	7.5 litres
Min. DHW Mains Pressure	0.5 bar
Typical DHW Flow Rate	12 l/min
Max Primary Working Pressure	10 bar
Max Secondary LTHW Pressure	3 bar
Max DHW system pressure	6 bar

(*appliances with bottom entry services only, top entry appliance 315mm deep)

Standard units are suitable for primary temperatures of 82°C, higher temperature available on request.

The MiniBreeze has been designed for use in systems with primary high limit protection provided by the central boiler plant. In accordance with part G building codes, DHW supplies should be fitted with suitable mixing valves to prevent scalding at the point of use.

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