



FLOWPLANT®

Engineering excellence in high-pressure
pump systems



BOILER UNITS BROCHURE

The boiler solutions offered are a cutting edge addition to the Flowplant range. Flowplant have combined their first-class water process engineering with a range of top class boiler plant room equipment. This winning combination offers rugged durability and uninterrupted heating and hot water supply for all your planned and emergency needs.

BENEFITS

Flowplant's packaged boiler units are manufactured to the high precision standard required to meet our core engineering vision. These units can be used for proactive or reactive maintenance and can be used for heating hot water in various applications.

Scan the QR code to find out more about our boiler packages.



Get in touch today on sales@flowplant.com or call 01722 325424 today.



PRECISION MANUFACTURING - Engineered with high precision, aligning with our core engineering vision for excellence.



PROACTIVE & REACTIVE MAINTENANCE - These units are versatile and suitable for both proactive and reactive maintenance needs.



VERSATILITY - Incredibly versatile, adapting to a wide range of applications and requirements.



ROBUST DESIGN - These units are built to last, with robust construction that ensures longevity and reliability.



BESPOKE SOLUTIONS - Flowplant offers custom designs tailored to each customer's specific needs, ensuring a perfect fit for your requirements.



HEATING HOT WATER - Designed to heat hot water for various applications, ensuring a steady and reliable source.



ENGINEERING EXPERTISE - Benefiting from over fifty years of manufacturing experience, our units are engineered to the highest standards.



ENERGY EFFICIENCY - Engineered with a focus on energy efficiency, ensuring cost-effective operation.



PROFESSIONAL & CUSTOMER-CENTRIC APPROACH - Our commitment to professionalism and customer-centric solutions ensures your needs are met effectively.



UK MANUFACTURE - You're not just investing in cutting-edge design – you're choosing British excellence, precision-engineered by Flowplant Group Ltd.



FEATURES

- ✓ **SEAMLESS CONNECTION** - Bespoke engineering resulting in seamless installation process. Engineered to suit all the customers site needs.
- ✓ **REMOTE MONITORING AND BMS CONTROL** - Full integrated control systems set up to work with building BMS or as a standalone product. Integrated remote monitoring available allowing access to boiler run signals and remote operation. 24 hour alarm monitoring, predictive maintenance & performance monitoring.
- ✓ **UNDISPUTED BOILER POWER UP TO 1.2MW** - A range of boilers and boiler powers will ensure the customers needs are always met.
- ✓ **CUTTING EDGE BOILER EFFICIENCY** - Specially selected boilers, designed for the site ensure higher than regulation efficiencies and a drive toward lower green house gas emissions.
- ✓ **VARIOUS HOT WATER APPLICATIONS** - Low (LTHW) and Medium Temperature Hot Water (MTHW) offered on both a CT (Constant Temp) and VT (Variable Temp) schematic.
- ✓ **BUILT IN RELIABILITY** - Top of the range boilers incorporated for increased reliability & boiler redundancy utilised where possible.

TYPICAL APPLICATIONS

- ✓ CONSTRUCTION
- ✓ RETAIL
- ✓ FACTORIES
- ✓ HEALTHCARE
- ✓ SPORTS HALLS
- ✓ FOOD AND BEVERAGE
- ✓ WAREHOUSES
- ✓ EVENTS
- ✓ EXHIBITION HALLS
- ✓ MARQUEES



IN MORE DETAIL

Flowplant pride themselves on using only the best equipment for the design and manufacture of both the Containerised Mobile Boiler Units and Modular Boiler Plant Rooms.



BOILER

Flowplant use high efficiency boiler systems from Hamworthy which not only supports us to manufacture the highest quality boiler systems but also enables to provide a reliable product where needed the most. Providing units up to 2MW, Flowplant can offer the best solutions for the customer's needs.



CONTROL SYSTEMS

Having worked in industry for over 50 years, we have been able to find and work with some of the best control engineers in the world. Completing a flawless installation Flowplant now work with control engineers with over 40 years' experience in the industry.



WATER PUMPS

Having worked in the process pump industry for over 50 years, Flowplant know what makes a pump better than the rest and we have a range of process pumps available to us to meet every customer need. From the standard to the more complex, there should be no customer requirement that Flowplant cannot meet.



HEAT EXCHANGERS

Flowplant have had over 50 years working in various industries and have had the pleasure to work with some of the best heat exchanger manufacturers in the world. We are now able to offer high efficiency and superb maintainability.



EXPANSION VESSELS

Working with various suppliers Flowplant are able to expansion vessels meeting the required BS EN 12828 standards. Only vessels built to the highest quality are used and range in sizes allowing us to produce the systems required by the customer.



PIPEWORK AND VALVES

As in all the equipment used for these systems only the best components and welders are used, and this can be noted in the quality of the product supplied. Having supplied units into the Nuclear industry for 40 years, we know how to produce the quality that counts. We have produced the simple to the complex and have a range of valves available to use in these bespoke systems.



CONTAINER AND HOUSING

Don't judge a book by its cover but its also great if the cover is immaculate. Flowplant have formed great relationship with superb container and fabrication suppliers and the quality shows.

CONTAINERISED MOBILE BOILER UNITS

Our mobile boiler units are fully operational portable boilers that provide hot water and/or heating for industrial hot water. While mobile boilers can be used for various applications, facilities primarily use them for emergencies and scheduled shut-downs.



Emergencies may include loss of power to the property heating boiler. Flowplant's containerised boilers are able to be dropped into position and easily linked up to the system.

On the flip side of reactive maintenance our boilers are able to be dropped in for planned maintenance ensuring no down time of the building heating system.

The systems are able to run a constant temperature, variable temperature and also be supplied with fully integrated BMS control. Our BMS software engineers have years of experience and can adapt to any site requirement.

These units are fast, easy to install and reliable making them perfect for both the hire and permanent market.



- ✓ HIGH EFFICIENCY RATING
- ✓ EASE OF CONNECTION
- ✓ REMOTE MONITORING AVAILABLE
- ✓ LTHW OR MTHW
- ✓ CT AND VT CONTROL AVAILABLE
- ✓ GAS OR OIL SUPPLY
- ✓ OPTIONAL HEAT EXCHANGER OFFERED FOR HOT WATER SUPPLY
- ✓ USED IN PUBLIC SECTOR, FACILITIES MANAGEMENT AND CONSTRUCTION
- ✓ HOUSED INSIDE SOUND, THERMAL AND VANDAL PROOF STEEL CONTAINER
- ✓ CUSTOMISED COLOUR AND DECALS AVAILABLE ON REQUEST
- ✓ BESPOKE BRITISH MANUFACTURE TO CUSTOMERS' REQUIREMENTS

DETAIL EXAMPLES – MORE OPTIONS AVAILABLE ON REQUEST

OUTPUT	580kW (details shown indicative of Hamworthy installation)
BOILER MANUFACTURER	Hamworthy, Viessman or similar
BUILDING REGULATIONS PART L SEASONAL EFFICIENCY	85% Minimum
FUEL	Natural Gas, Oil or LPG
PUMPS	Twin head Grundfos Magna or similar
TEMPERATURE RANGE	50-90 °C
WATER FLOW AT Δ10 °C	13.88 l/s
WATER FLOW AT Δ20 °C	6.94 l/s
MIN WATER PRESSURE	0.5 barg
MAX WATER PRESSURE	4 barg
WATER FLOW/RETURN CONNECTIONS	PN6 – DN80
GAS FLOW RATE	67 m ³ /hr
GAS CONNECTION	2"
FLUE GAS TEMPERATURE	197 °C
BMS	Optional
WATER CONTROL	CT or VT
DIMENSIONS	3368 (l) x 2438 (w) x 3152 (h)
POWER	63A – 415V - 3 Phase

Flowplant Modular Boiler Plant Rooms

Get in touch today on
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or call 01722 325424 today.

Whereas Flowplant's containerised systems please a more standardised market the Modular Boiler Plant Room designs bring in Flowplant's high talent for bespoke engineering in the industrial world.



Serving for a more permanent installation, these modular designs allow for the customer to have very little down time whilst updating/renovating their plant rooms. Enabling the rooms to be permanent fixtures also allows the customer to utilise the old plant rooms for further building development.

Whether it be a simple contact hot water supply or a fully BMS integrated hot water and heating system, Flowplant are able to offer all packages. Various fuel supplies designed and manufactured in the UK to meet all the customers requirements.

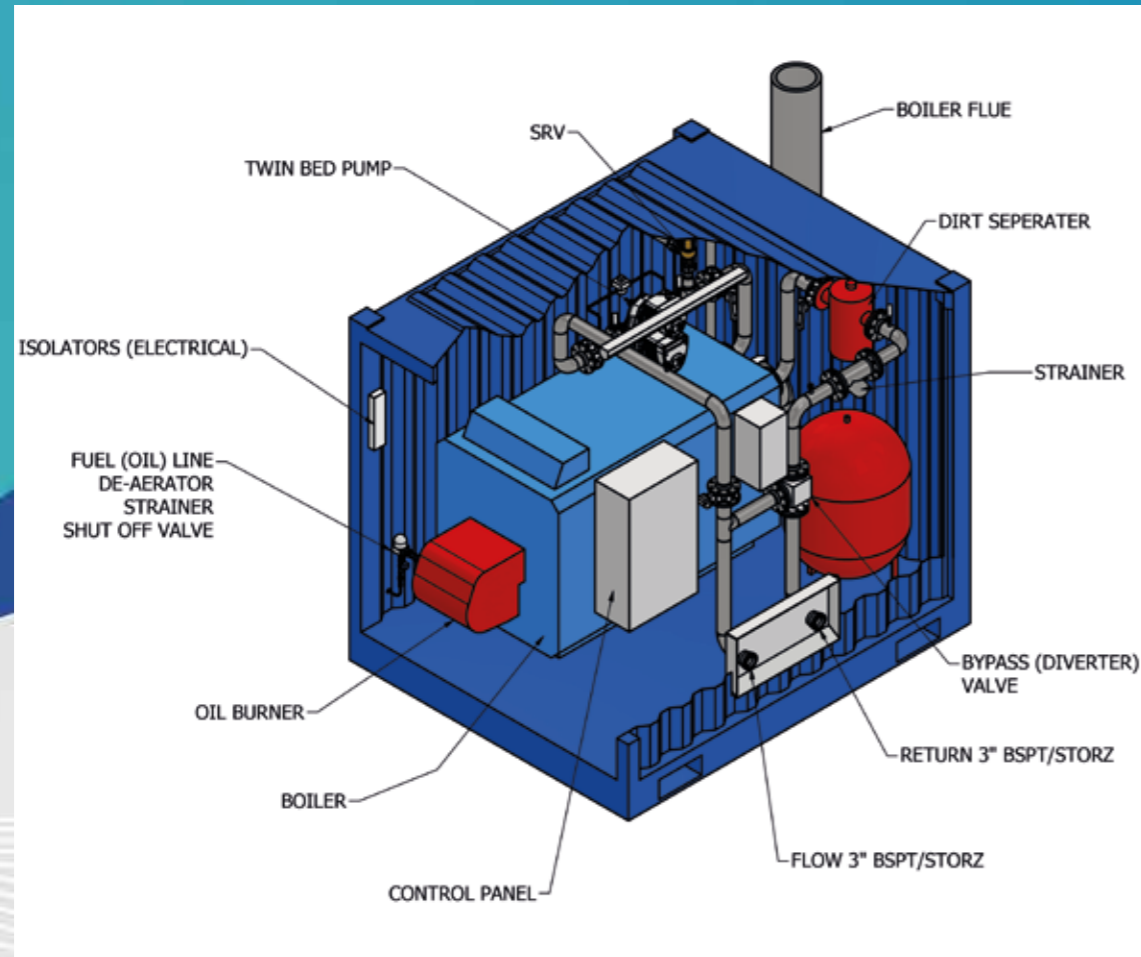
Our boiler plant rooms are fully operational systems that provides hot water and/or heating for industrial hot water. These will serve many applications listed opposite.

For more information or to enquire about our bespoke engineering solutions call 01722 325424 or email sales@flowplant.com.



- ✓ INTEGRATED FUEL TANK STORAGE AND FUEL HANDLING SYSTEM
- ✓ FULL BMS INTEGRATION WITH EXISTING OR PROPOSED SYSTEMS
- ✓ WATER CALORIFIER TANK FOR HOT WATER SUPPLY
- ✓ VARIOUS BOILER MATERIAL FOR DIFFERENT ENVIRONMENTS
- ✓ HIGH HEATING OUTPUT
- ✓ LPG/NATURAL GAS/OIL FIRED
- ✓ OPTIONAL HEAT EXCHANGER OFFERED FOR HOT WATER SUPPLY
- ✓ USED IN PUBLIC SECTOR, FACILITIES MANAGEMENT AND CONSTRUCTION
- ✓ HOUSED INSIDE SOUND, THERMAL AND VANDAL PROOF STEEL CONTAINER
- ✓ CUSTOMISED COLOUR AND DECALS AVAILABLE ON REQUEST
- ✓ BESPOKE BRITISH MANUFACTURE TO CUSTOMERS' REQUIREMENTS

GA installation example – Other options available on request



“We would definitely not hesitate to recommend Flowplant Group to any company looking to purchase machines as for us there is no other company that comes close to the full package and service. The machines operate exactly like they said they would and the quality of them after years of constant use is beyond belief.”

Anthony Williams

AR Drainage Solutions



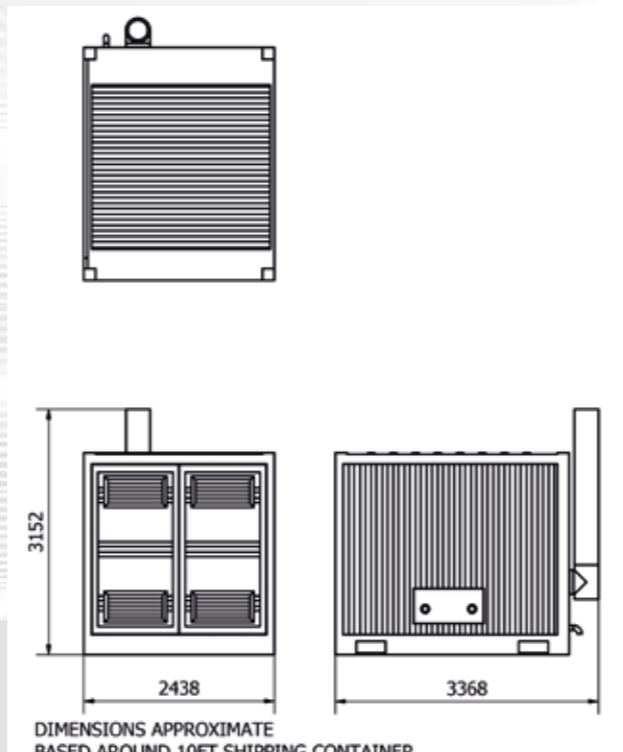
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We provide full **STEP files**, **CAD drawings**, and detailed **pipng diagrams** to ensure you have all the essential information for seamless integration and application. Our commitment to transparency and support extends beyond our products, empowering you with the detailed insights required for a successful implementation.

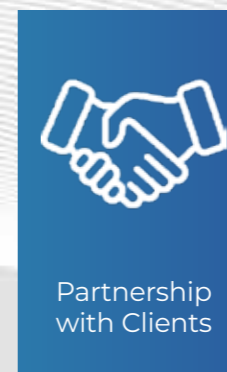
Whether you're planning installations, modifications, or simply seeking in-depth technical specifications, our team is ready to deliver the precise documentation you require.

Get in touch with our sales team today on sales@flowplant.com or call 01722 325424.



INNOVATION INTEGRITY EXCELLENCE

WE are an innovative and focused engineering company.
WE encourage open and honest partnerships in all our activities.
WE care deeply about what our customers think of our products.
WE work hard to ensure that the projects entrusted to us are delivered in a safe and environmentally aware manner which exceeds expectations.





Scan the QR to find out more
about our range of plant and boiler
units.

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