

GMS

Thermal Products Ltd

HOT WATER FROM EXPERIENCE

VersaTherm, VersaSol, VersaCal, VersaStore

Storage Calorifiers and Buffer Vessels

Semi Storage Calorifiers

Non Storage Calorifiers

Plate Heat Exchangers and Packaged Units

Boiler House Products

Clean Steam Generators

Flash Vessels

Air & Dirt Separators



COMPANY PROFILE

GMS Thermal Products Ltd. design and manufacture a comprehensive range of products specifically for all aspects of water heating, heat recovery and pressurisation, for building services and process industries worldwide. Staffed by industry experts, the company combines years of experience with an ongoing commitment to quality, together with the flexibility of today's modern industry demands. Our products are installed at many prestigious projects in over 20 countries. We work in partnership with a broad spectrum of clients and supply both standard and bespoke products for commercial installations such as:

- ✓ **Offices**
- ✓ **Hospitals**
- ✓ **Hotels**
- ✓ **Leisure Centres**
- ✓ **Military Bases**
- ✓ **Prisons**

We also supply process industries such as:

- ✓ **Breweries**
- ✓ **Food Processors**
- ✓ **Chemical Plants**
- ✓ **Textile Processors**
- ✓ **Other major energy users**

Assistance at all stages of design and procurement is available from both our UK Sales Force and our overseas agents. Comprehensive advice on product applications, sizing and suitability is provided by our Technical Support Team, including site surveys and commissioning if required.

Service and Spares

In addition to providing commissioning, service and repair cover to our own products, we will also offer a comprehensive replacement and repair service for most types of storage and non storage calorifiers and heat exchangers. Services can include re-tubing, also supplying and installing new tube bundles, most spares and ancillaries. All work is carried out to relevant standards, please contact our Technical Support Team with your requirements.

Plate Heat Exchangers and Packaged Units

The **Thermaflex** range of plate heat exchangers are ideal for many heat transfer applications in heating or cooling systems.

Thermaflow packaged heat exchangers provide instantaneous DHW. Supplied as a compact unit, complete with temperature control panel and primary pump.

The **Thermapac** range combines a Thermaflow unit with a buffer vessel and pump. These 'semi-instantaneous' units meet high peak demands when the available boiler power is limited.

Plantpac Units are ideal for steam or high temperature hot water primary fluids to generate LTHW or DHW



Non storage Calorifiers

Shell and tube non-storage calorifiers transfer heat from one independent circuit to another.

The **Atlantic** range is suitable for steam to water applications and can be packaged with flash condenser, receiver and pump.

The **Pacific** range is designed for water to water heat transfer applications.

The GMS **Electric Flow Heater** range is designed for closed heating systems, or even as "back-up" to main boilers during periods of high demand.

Storage Calorifiers and Buffer Vessels

Storage Calorifiers - Reliable, economic high volume DHW storage. The stored hot water meets high peak demands with relatively low primary.

Buffer Vessels - Suitable for both chilled water systems and heating systems.

Semi-Storage Calorifiers - Meet peak DHW demands in a cost effective, compact way. Thermal store allows virtually instantaneous DHW combined with optimised primary power input.

Direct Storage Cylinders - Designed to work with external heat sources such as plate heat exchangers and solar systems etc.

Indirect Storage Cylinders - have a fixed heater. working the same as a storage calorifier.

Electric Storage Calorifiers - A cost effect back-up for other heat sources during periods of low demand and shutdown of the main primary heating source.

Each of these unit can be designed to suit site conditions and customer requirements.



Versa Vessels & Cylinders - Enamel Lined Products



The Versa range, are an ex stock range of enamel lined vessels and cylinders. All connections are fixed, every vessel is insulated and fitted with a sacrificial anode.

VersaSol - Twin Coil indirect cylinders

VersaTherm - If you've got big and varying domestic hot water demands then the VersaTherm is the ideal solution. VersaTherm is ideal for schools, hotels, sport centres - in fact anywhere demand varies widely throughout the day.

VersaCal - is a storage cylinder that can be fitted with a 'u' tube battery and/or immersion heaters, for heating.

VersaStore - direct thermal storage vessels are designed primarily for Hot Water Service (HWS) applications.



Boiler House Products

GMS manufacture a wide range of steam related products including:

- ✓ **Blowdown Vessels** Fabricated to PD5500 with notified body approval.
- ✓ **Condensate Pumping Sets** to suit most applications incorporating air/steam driven pumps.
- ✓ **Hotwell Tanks** with optional **deaerator**.
- ✓ **Steam Separators** with vortex flow pattern system.
- ✓ **Chemical Dosing Pot** complete with valves and tun dish.
- ✓ **Vent Head** used on GMS blow down vessels, hotwell tanks and condensate pump sets. They are designed to remove water from discharged steam, and are fitted with an internal baffle.



Clean Steam Generators

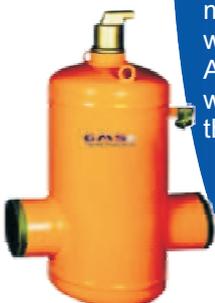
GMS steam Generators and stainless steel clean steam generators provide high quality steam form an HTHW or steam primary heat source. These skid-mounted, packaged units are designed and manufactured to Pd5500, with full design appraisal and inspection by a notified body.



Air & Dirt Separators

Our Air Separators removes air / microbubbles. Installed at the hottest point in the system the 'GMS' product will eliminate these microbubbles from heating and chilled water systems.

All units are fitted with a fast bleed valve, which should be used when initially filling the system.



Flash Vessels

GMS flash vessels are designed and manufactured fully in accordance with the latest PD5500 Category III standards, inspected during design and manufacture by an independent insurance company and supplied complete with a data dossier. They also comply fully with the European Pressure Equipment Directive 97/23/EC.

The GMS range of flash vessels should be installed in systems with blowdown heat recovery systems where steam separation from the blowdown is required.





Catalogues

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Qatar Armed Forces, Qatar
Nicosia Supreme Court, Cypris
Soma Bay Golf Club
Unilever Soap Factory, Nigeria
Makassed Hospital, Lebanon
Sheraton Hotel, Abu Dhabi
Al Badi Towers, Dubai
Our Lady's Hospital, Eire
Rijnmond Power Plant, Holland
Salina Wharf Hotel, Malta

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