

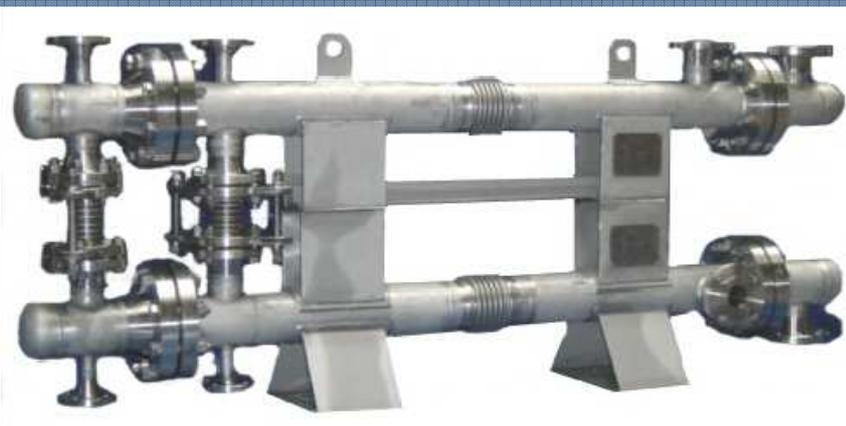
GMS

Thermal Products Ltd

SPECIAL PROJECTS



To the left is a 10,000 litre mixing vessel with internal mixing paddle, where the contents had to remain at a constant temperature, it did this using a jacket which transferred the heat using LPHW boiler water. The tank was given a maximum temperature that it could not exceed. Water was mixed using an agitation pump with protensising agent. The top of the tank was left open for other substances to be added later in the process. Also an electronic temperature control system was incorporated. The vessel was fully insulated, and an access, ladder and handrail system was incorporated.



The above is a special non storage shell and tube heat exchanger; it was designed to cool gases which flowed through the tubes by fast flowing water. The main purpose of this was to cool the hot gases (500°C) from turbines to a more reasonable temperature of 47°C. Whilst the gas cooled the water heated making the required DHW which could then be reused in the showers and wash basins etc. The entire unit was manufactured in ANSI 316L stainless steel and PED Certified.

“Hot Water is our Topic”

Not only do GMS manufacture a wide range of comprehensive range of products for all aspects of water heating, they can also design and tailor make almost any enquiry ranging from plaster pots, fencing and support rails to oil heaters and wash down units, this leaflet shows a glimpse of some of their special projects, which have been designed and manufactured by our specialist team.

GMS can also design, manufacture and fit equipment such as PlantPAC's and Thermaflows into compact spaces.

GMS also fully design and provide full plant room layouts if required. Also equipment can be designed around your free issue items.

GMS provide engineers to measure up vessels and other equipment, and they will make like for like. Also after GMS have supplied the equipment they can provide commissioning, servicing and spares.

GMS can repair equipment such as battery tubes, PHE's and even fancoil units.

GMS can provide both 2D and 3D drawing in AutoCAD format when required.

Please feel free to contact us (details are on the back) to discuss any project, no matter how big or small and we will try our best to give you a solution.

We look forward to hearing from you.



GMS can manufacture special PlantPacs, which are currently in high demand to be used in hospitals, these have low installation costs, can provide Instantaneous low temperature hot water/domestic hot water using steam primary, and come with a full function control panel with remote start interlock and volt-free contact, Fully packaged and skid mounted ready for connection to system. Not only do GMS manufacture special PlantPac's we also manufacture and design compact skid mounted packages. GMS have recently took on a large scale project where we have fully designed, provided layout drawings and manufactured five complete large plant rooms, where restrictions in; space, insulation, and access ways had to be adhered to. GMS can make almost any package in the space requirements given.

The below is an existing unit converted into an exhibition unit, where we have added waterproof lights to indicate heating and sight windows to show where the water is, and a pumping system inside the vessel to move the water around it. We also added wheels so that it can be transported about. This is an ideal exhibition unit to show to clients, trainees or even prospective customers.



Above is an example of one of our clean steam generators. Clean steam generators consist of a pressure vessel and heater tube battery. The vessel is part filled with water to a controlled level. Primary steam or HTHW is passed through the heater battery to heat the water in the shell to boiling point and to generate steam. The steam generated is then drawn from the shell for use. The generated steam pressure is controlled automatically by regulating the primary steam or HTHW.



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"Hot Water from Excellence"