

# GMS

## Thermal Products Ltd

### Boiler Hotwell Feed Tanks



**Water Heating & Heat Recovery  
For the Building Services Industry**



Tanks
Condensate Pump Sets
VersaTherms
PlantPac's
Hot

Water
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Storage
Semi Storage
Calorifiers
Plate Heat Exchanger

Packages
Unvented Packages
ThermaFlow 'E'
Hot Water

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Packages
Unvented Packages
ThermaFlow 'E'
Hot Water
Semi

Intro

Boiler hotwell Feed Tanks are the source of high heat losses and on-going maintenance. The GMS hotwell is available in **carbon steel** and **stainless steel** construction. Heating the boiler feed water prior to it entering the boiler reduces oxygen levels in the water which can cause corrosion and also reduces the amount of chemical dosing required.

The hotwell is manufactured to suit the individual customer's requirements. Therefore a detailed drawing is produced to enable the customer to mark up his connection requirements (this is most helpful when the unit is a replacement and ensures pipework alteration is kept to a minimum).

Components

**Components Included as Standard**

1. Thermometer
2. Vent Head
3. Tank Contents Sight Gauge Complete With Protector

**Additional Components (Available on Request)**

4. Electronic Cold Water Make Up Feed
5. Electrical Level Control System
6. De-Aerator Head Assembly
7. Re-Circulation System
8. External Ladder System
9. De-Aerator Head Inlet Manifolds
10. Support and Platform Assembly
11. Direct Steam Injection Kit

Prices for standard items such as the re-circulation system, de-aerator head and level control system are available from this leaflet and our website. Prices for non-standard items such as external ladder assemblies and steam injection kits must be quoted for by a member of our sales team.

Please email your enquiry to [sales@gmsthermal.co.uk](mailto:sales@gmsthermal.co.uk) or call us directly on 01457 835 700.

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## Standard Price List

All of our units are available in 304L Stainless Steel, 316L Stainless Steel and Carbon Steel. Please contact our sales office for prices, availability and information on our standard and non-standard range of boiler hotwell feed tanks.

Capacity (Litres)	Dimension L x W x H	Re-Circ. System	De-Aerator Head	Level Control System
HW1000	1000x1000x1000	✓	✓	✓
HW1500	1500x1000x1000	✓	✓	✓
HW2000	2000x1000x1000	✓	✓	✓
HW3000	2000x1000x1500	✓	✓	✓
HW4000	2000x2000x1000	✓	✓	✓
HW4500	2000x1250x1500	✓	✓	✓
HW6000	2000x2000x1500	✓	✓	✓
HW8000	2000x2000x2000	✓	✓	✓
HW9000	3000x2000x1500	✓	✓	✓
HW12000	3000x2000x2000	✓	✓	✓
HW16000	4000x2000x2000	✓	✓	✓
HW20000	4000x2500x2000	✓	✓	✓
HW24000	6000x2000x2000	✓	✓	✓
HW30000	6000x2500x2000	✓	✓	✓
HW36000	6000x3000x2000	✓	✓	✓

**Re-Circulation System** - The re-circulation system consists of interconnecting pipework, isolating valves, strainer, multi-speed pump and check valve.

**De-Aerator Head** - With specified inlet connections. Each head is complete with distribution sparge and suitable immersion tube.

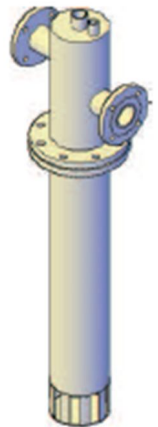
**Level Control System** - Comprises 3 position magnetic level switch and solenoid valve. Factory wired to an electrical control panel, water valve open light, steam valve open light and low level light. Also supplied with volt-free contacts for a low level alarm.

## De-Aerator Heads

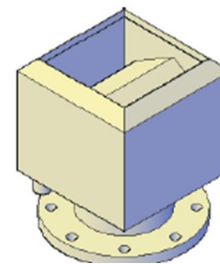
The GMS range of de-aerator units heads comprise of a stainless steel mixing head and a stainless steel immersion tube.

The mixing head is designed to mix incoming flows of condensate from the system, flash steam, cold water make-up feed and re-circulation feed. Each inlet connection has an internal sparge which sprays the flow in various directions within the head. These gases are then vented to atmosphere. The de-aerator head re-circulation connection has an internal spray nozzle to help mixing of the various inlets. GMS can supply the pump re-circulation system as part of the package-please refer to separate literature for further information. The unit is designed to be maintenance-free with a stainless steel body (wetted parts). Gaskets and all bolting are supplied with the unit.

There is also an option for insulation of the de-aerator head at an additional cost.



Vent heads are used on GMS blow down vessels, hotwell tanks and condensate pump sets. They are designed to remove water from discharged steam. The vented steam hits the internal baffle plate before discharging to atmosphere and any residue water drains out of the head.



### Material Options

- Stainless Steel AISI 304L
- Galvanised Mild Steel

Type	Inlet	Drain
VH50	2" Male BSP	¾" Male BSP
VH65	DN65 PN16	¾" Male BSP
VH80	DN80 PN16	¾" Male BSP
VH100	DN100 PN16	1" Male BSP
VH150	DN150 PN16	1" Male BSP
VH200	DN200 PN16	1 ½" Male BSP
VH250	DN250 PN16	1 ½" Male BSP
VH300	DN300 PN16	2" Male BSP

## Vent Heads

For further information on the above products or to find your local Sales Engineer please contact:

Phone: 01457 835700

Fax: 01457 832700

Email: [sales@gmsthermal.co.uk](mailto:sales@gmsthermal.co.uk)

Web: [www.gmsthermal.co.uk](http://www.gmsthermal.co.uk)

Address: Riverside Works, Egmont Street, Mossley, A-U-L, OL5 9NE