



## Hotwell Tanks and Deaerators

The temperature of the water being fed to the boiler is of paramount importance.

Condensate contains around 25% of the energy of steam; so recovering as much condensate as possible is key to maximising operational efficiency.

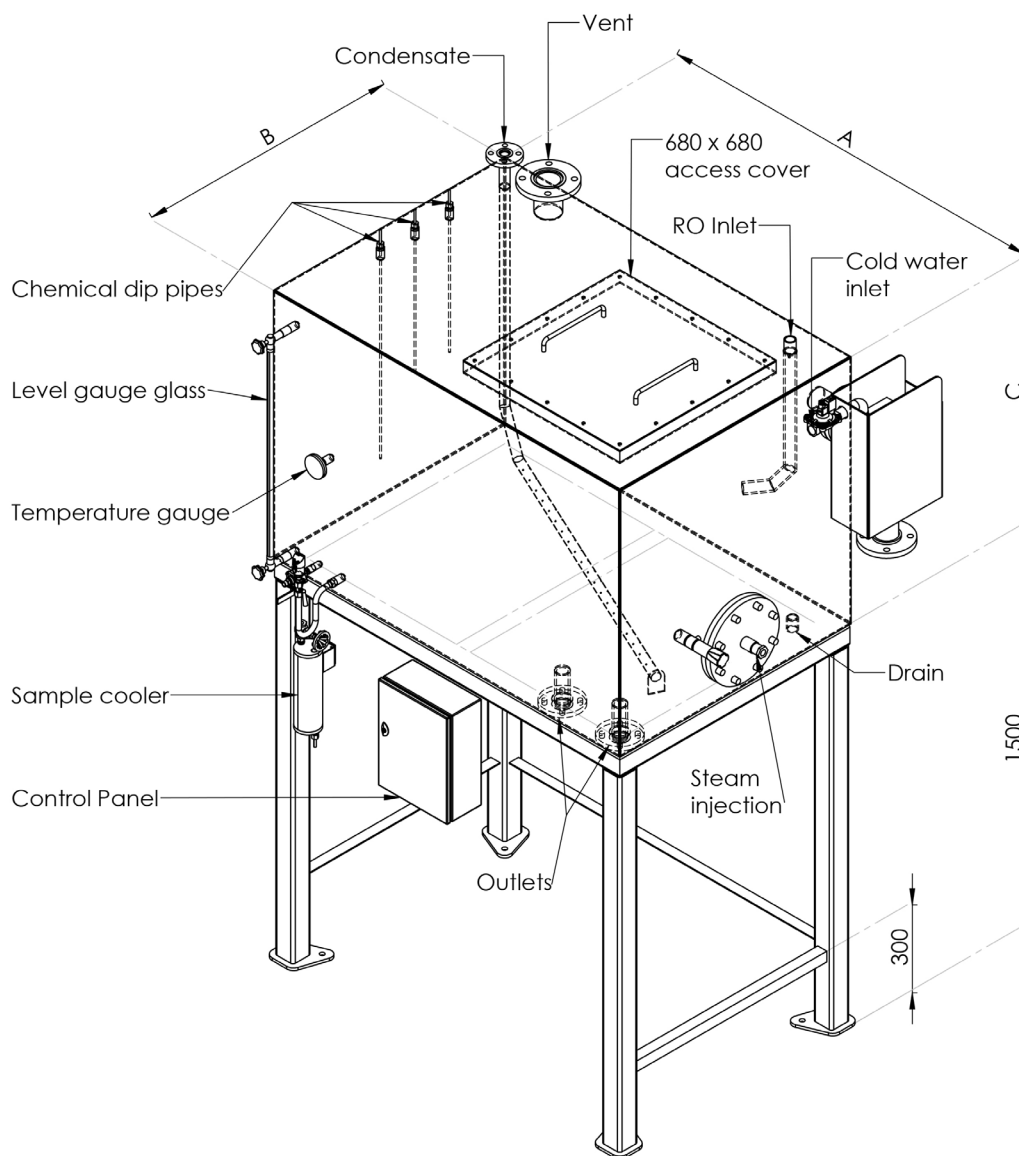
These tanks are used to store recovered condensate and mix it with fresh make-up water, helping to drive off dissolved oxygen, reducing the need for chemical oxygen scavengers and improving boiler response time.

Tanks and deaerators are insulated to minimise heat losses. Various options are available from simple atmospheric tanks through to fully deaerated systems.

Recommended equipment available steam injection systems and semi or full deaerator heads.



# Hotwell Tanks and Deaerators



Capacity (ltrs)	0.56m <sup>3</sup>	0.75m <sup>3</sup>	1m <sup>3</sup>	1.5m <sup>3</sup>	2m <sup>3</sup>	2.5m <sup>3</sup>	3m <sup>3</sup>	3.75m <sup>3</sup>	4.5m <sup>3</sup>	6.75m <sup>3</sup>	7.5m <sup>3</sup>	8m <sup>3</sup>	9m <sup>3</sup>	12m <sup>3</sup>
A	1m	1m	1m	1.5m	2m	2.5m	2m	2.5m	3m	3m	3m	4m	4m	4m
B	0.75m	0.75m	1m	1m	1m	1m	1m	1m	1m	1.5m	2.5m	2m	1.5m	2m
C	0.75m	1m	1m	1m	1m	1m	1.5m	1.5m	1.5m	1.5m	1m	1m	1.5m	1.5m
Outlets	DN32	DN32	DN32	DN40	DN40	DN40	DN50	DN50	DN50	DN50	DN65	DN65	DN65	DN80
Overflow	DN65	DN65	DN65	DN65	DN65	DN65	DN65	DN100	DN100	DN100	DN100	DN100	DN100	DN100
Vent	DN50	DN50	DN50	DN80	DN80	DN80	DN100	DN100	DN100	DN100	DN100	DN100	DN100	DN100
Drain	1"	1"	1"	1"	1"	1"	1½"	1½"	1½"	1½"	1½"	2"	2"	2"
Inlets	1"	1"	1"	1"	1"	1"	1"	1½"	1½"	1½"	1½"	1½"	2"	2"
Condensate*	DN20	DN20	DN20	DN25	DN25	DN32	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN50

\*Condensate subject to change (data based on 80% return).

For illustration purposes only. Design drawing available upon request

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