

## Letts Swimming Pools

### Heat pump summer and winter valve arrangement

The pipework layout shown below is a typical representation and there are variations found between different plant rooms. There several designs of heat pump although all have an inlet and an outlet connection.

In the summer months, pool water should circulate through the heat pump in order to heat the water. In the winter months, the pool water should bypass the heat pump, and the unit should be drained of water. This is because most heat pumps are positioned outside and are in danger of freezing which will most likely cause major damage.

**Should the heat pump be damaged due to a failure to drain it down,  
the warranty will be invalidated.**

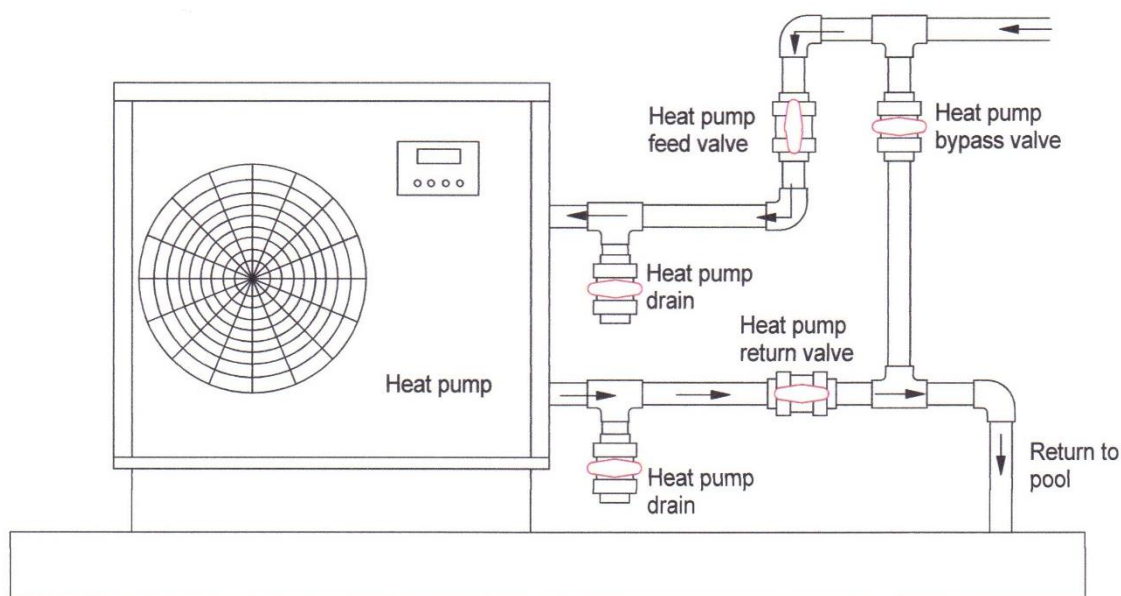
#### Configuration of valves for summer use

Feed valves are open, drain and bypass valves closed

Earlier heat pump pipework was not fitted with drain valves. In this case the union connections to the heat pump inlet and outlet would be loosened. If this is the case, ensure that the unions are each fitted with a black o-ring seal and that connections have been tightened up.

Usually there is a power switch near to the heat pump. This should be left in the ON or I position.

Ensure that there is a good flow of water through the heat pump.

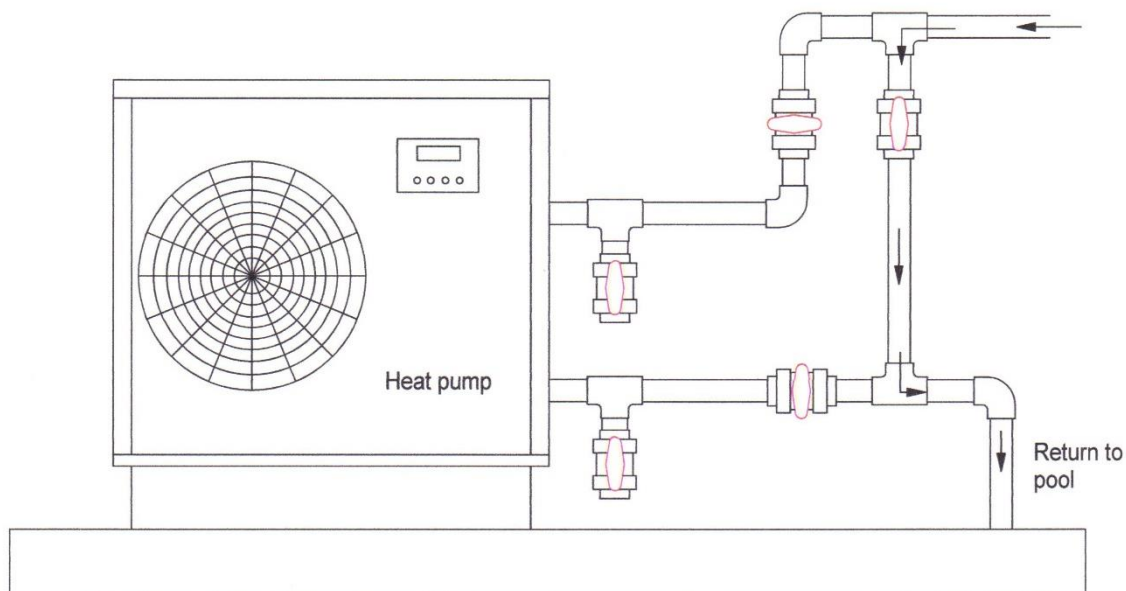


## Configuration of valves for winter use

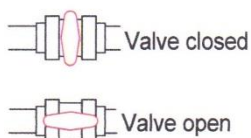
Feed valves closed, drain and bypass valves open

If there are no drain valves fitted in the heat pump pipework, loosen the union connections where the pipe meets the unit, to drain out all of the water. Once empty, re-attach the unions but by just a couple of turns. This will prevent water from gathering in the heat pump should there be a defect in one of the valves. Ensure that the black o-ring seals have been refitted in the unions.

If there is a power switch near to the heat pump, this should be left in the OFF or 0 position.



## Convention for identifying an open or closed valve



These instructions are a guidance only when addressing specific problem(s) with your pool. Without knowledge of all the variables in a given situation we cannot take responsibility for any damage that may be caused by non-Letts personnel when carrying out these tasks.

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