

What is claimed is:

1. An apparatus for cooling air and/or water, said apparatus comprising:
 - a first reservoir for holding a first water volume;
 - a second reservoir for holding a second water volume, wherein the first and second reservoir are in fluid communication with each other;
 - a heat rejection unit comprising at least one evaporative media;
 - a cooling unit comprising at least one evaporative media and at least one pre-cooler;
 - a first water circuit fluidly connecting the at least one pre-cooler and the at least one evaporative media of the cooling unit, the heat rejection unit, the first reservoir and the second reservoir; and
 - a second water circuit fluidly connecting the at least one evaporative media of the cooling unit and the first reservoir and/or the second reservoir.
2. The apparatus of claim 1, wherein the first water volume is larger than the second water volume.
3. The apparatus of claim 1, further comprising a means for adjusting the water flow through each of the first and second water circuit to provide variable cooling.
4. The apparatus of claim 1, wherein the first reservoir is positioned within the heat rejection unit.
5. The apparatus of claim 1, wherein the second reservoir is positioned within the cooling unit.
6. The apparatus of claim 1, wherein the first water circuit and second water circuit form a closed loop that circulates water from the first and second reservoir and back again for re-circulation through the apparatus.

7. The apparatus of claim 1, wherein the first water circuit is configured to direct water from the first reservoir or the second reservoir to
 - a) the at least one pre-cooler,
 - b) the at least one evaporative media of the heat rejection unit, and then to
 - c) the first reservoir.
8. The apparatus of claim 1, wherein the second water circuit is configured to direct water from the first or second reservoir to the at least one evaporative media of the cooling unit and then to the second reservoir.
9. The apparatus of claim 1, wherein the apparatus is operable between four modes for variable cooling of the air and/or water.
10. The apparatus of claim 9, in which in a first mode both the first circuit and second circuit are operational to circulate water therethrough; in a second mode only the first circuit is operational to circulate water therethrough; in a third mode only the second circuit is operational to circulate water therethrough; and in a fourth mode both the first circuit and second circuit are not operational.
11. The apparatus of claim 1, further comprising a pump coupled to the first water circuit and the second water circuit.
12. The apparatus of claim 3, wherein the means for adjusting the water flow comprises a valve and/or a flow restriction device to adjust water circulating through the first and/or second water circuit.
13. The apparatus of claim 1, wherein the heat rejection unit surrounds a first central chamber.

14. The apparatus of claim 1, wherein the cooling unit surrounds a second central chamber.
15. The apparatus of claim 1, wherein the cooling unit is at a first location and the heat rejection unit is at a second location.
16. The apparatus of claim 1, wherein each of the cooling unit and heat rejection unit are coupled to a variable fan.
17. An apparatus for cooling air and/or water, said apparatus comprising:
- a first reservoir for holding a first water volume;
 - a second reservoir for holding a second water volume;
 - a heat rejection unit comprising at least one evaporative media;
 - a cooling unit comprising at least one evaporative media and at least one pre-cooler;
 - a first water circuit fluidly connecting the cooling unit and heat rejection unit, wherein the first reservoir is in fluid communication with the at least one pre-cooler of the cooling unit; and
 - a second water circuit fluidly connecting the at least one evaporative media of the cooling unit to the second reservoir.
18. The apparatus of claim 17, wherein the first water circuit is configured to circulate water from the first reservoir to the at least one pre-cooler, then to the at least one evaporative media of the heat rejection unit and then back to the first reservoir.
19. The apparatus of claim 17, wherein the second water circuit is configured to circulate water from the second reservoir to the evaporative media of the cooling unit and then back to the second reservoir.

20. The apparatus of claim 17, wherein the first reservoir is positioned within the heat rejection unit and the second reservoir is positioned within the cooling unit.
21. The apparatus of claim 17, further comprising two pumps, wherein one pump is coupled to each of the first water circuit and the second water circuit.
22. The apparatus of claim 17, wherein the cooling unit is at a first location and the heat rejection unit is at a second location.
23. The apparatus of claim 17, wherein each of the cooling unit and the heat rejection unit are coupled to a variable fan.
24. A method of conditioning air and/or water comprising the steps of:
- a. activating the apparatus according to claim 1 or 17 to direct ambient air therethrough;
 - b. adjusting an operational mode to control the water flow and volume through the apparatus to provide variable cooling, whereby the operational mode includes four operational modes; and
 - c. exhausting warm air and cool air out of the apparatus.
25. The method of claim 24, wherein the water flow and/or volume of at least one of the first water reservoir, the heat rejection unit, the second water reservoir, the pre-cooler in the main cooling unit and the evaporative porous media in the main cooling unit is adjusted.
26. The method of claim 25, wherein the water flow is adjusted to “deep cooling mode” so that water flows through all circuits.

27. The method of claim 25, wherein the water flow is adjusted to “dry cooling mode” so that water flows through the pre-cooler in the main cooling unit and then through the heat rejection unit.
28. The method of claim 25, wherein the water flow is adjusted to “adiabatic cooling mode” so that water flows through an evaporative porous media in the main cooling unit.
29. The method of claim 25, wherein the water flow is adjusted to “fan mode” with an absence of water flow through either circuit.
30. The method of claim 24, further comprising a step of adjusting water flow based on desired temperature and/or humidity of the conditioned air.
31. The method of claim 24, further comprising a step of expelling air from the heat rejection unit away from the gathering area.
32. The method of claim 24, further comprising a step of adjusting air flow with one or more variable flow fans.
33. The method of claim 25, wherein the flow of water through the heat rejection is adjusted so that it is greater than the flow of water through the main cooling unit.