

Flow Distributor for a Thermocline Storage Tank

The embodiments herein provide a thermocline storage tank comprising a fluid and at least one flow distributor including a vertically oriented pipe extending from a bottom of the thermocline storage tank to about a top of the thermocline storage tank, where the pipe having a plurality of holes to ooze out fluid inside the pipe at a level where density of the fluid inside the pipe matches with a density of fluid outside the pipe.

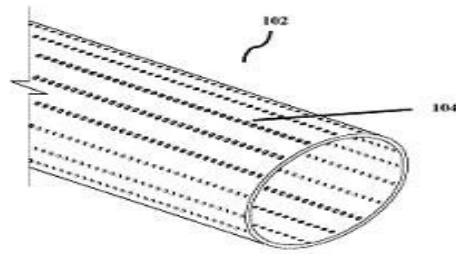


FIG. 2a

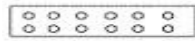


FIG. 2b



FIG. 2c

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