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(57) Abstract :

The water purification device comprises a housing comprises a base having an outlet port, side walls coupled with the base, and a top wall coupled to an upper end of the side walls and having an inlet port to receive contaminated water to be filtered; at least one first layer, at least one second layer, at least one third layer, and at least one fourth layer configured in the housing for filtering the received water; wherein the at least one first layer comprises sediments to restrict flow of a first set of contaminants of the received water; wherein the at least one second layer comprises an adsorbent to absorb a second set of contaminants of the received water; wherein the at least one third layer comprises micro fibre mesh to restrict passage of a third set of contaminants of the received water; and wherein the at least one fourth layer comprises a foam to lower Total Dissolved Solids (TDS) of the received water.

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