

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202441076939 A

(19) INDIA

(22) Date of filing of Application :10/10/2024

(43) Publication Date : 25/10/2024

(54) Title of the invention : System for Aging Water by Recirculation for Chlorine Decay Measurement

(51) International classification :G06Q0050060000, C02F0001760000, C02F0001000000, C02F0001280000, F24D0017000000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The invention relates to a system designed for aging water by recirculation and measuring chlorine decay. The system includes a feed tank, variable flow pump, rectangular loop pipeline, heat exchanger with thermostats, recirculation tank, and a sampling mechanism. By simulating the conditions water experiences in distribution networks, the system provides accurate measurements of chlorine decay using residual chlorine tests. The system is particularly useful for optimizing chlorine dosing in water distribution networks and ensuring water safety at the point of use.

No. of Pages : 11 No. of Claims : 10