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(57) Abstract :

The present invention relates to an assembly for removal of arsenic from drinking water in the presence of ozone as an oxidant and iron gauge (5) for formation of combined precipitate which is removed through sand filtration. Ozone that is generated from the ozone generator (1) acts as an effective oxidant in oxidizing soluble arsenic (As (III)) to insoluble arsenic (As (V)) and the whole process of oxidizing reaction is completed in less than 15 seconds due to release of nascent oxygen from ozone. The said assembly is user friendly and can be adopted for both household purpose and industrial purpose as well.

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