

Datasheet



**River Water Treatment**

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## Equipment Description

These are treatment plants designed by Ptech GmbH, either in reinforced concrete or fully factory-made compact forms, to encounter the problems of clean water supply occurred in small-scale settlements such as towns, villages, and hamlets. Source selection can be made among freshwater sources (streams, lakes, rivers) or wells. The treatment plant is designed considering parameters such as turbidity, pH, taste, and odor in the water; and it is delivered to the end user in shortest time in an operating state.

The minimum flow rate can be selected as 25 m<sup>3</sup>/hour, and the maximum flow rate can be chosen based on the required capacity.

## Process Content

- Water Intake Structure Pump Station
- Pre-Chlorination
- Coagulation Unit
- Flocculation Unit
- Lamellar Sedimentation Unit
- Filter Feed Pump Station
- Automatic Filtration Unit
- Post-Chlorination
- Flowrate Control
- Network Feed Pump Station



## Operation and Maintenance

The number of personnel required for the operation of river water treatment plants is determined by Ptech GmbH based on capacity (and the number of equipments depending on capacity). After installation, the designated operating personnel receive practical training at the plant. This training includes all necessary information for operation, such as the problems that may be encountered in the Packaged River Water Treatment Plant and how to maintain the process for chemical raw materials.

Information about maintenance plans are also provided in parallel with the information during the training process for the maintenance of the Packaged River Water Treatment Plant. The operational performance of the Packaged River Water Treatment Plant will always be kept under control with the 24/7 support provided by Ptech Treatment Systems.

## Preferred Areas

- Villages
- Towns
- Military Camps
- Refugee Camps
- Townships, Municipalities
- Residential Areas





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# Ptech

ENERGY - WATER - SEWAGE TREATMENT TECHNOLOGY

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