

Datasheet



Chemical and Industrial Treatment Solutions



Description

The treatment of wastewater containing high levels of pollution is carried out using industrial and chemical treatment systems.

Industrial and Chemical treatment units are designed by Ptech GmbH engineers with the selection of suitable processes and methods, taking into account the characteristics of the facility to be built and the nature of the chemical wastewater. The wastewater treatment unit can also be manufactured as a package-type system. In this way, the treatment units can be easily dismantled and reassembled at a new location in case the factory is relocated.

In Treatment Facilities

Wastewater treatment units could be preferred in many industries. In Industrial and Chemical treatment units, physical or biological package treatment units could be used according to the desired discharge water quality based on the pollution.

In Industrial and Chemical treatment units, equalization chambers could be fed with oxygen to lower the COD levels from the inflow wastewater. Generally speaking, the processes of coagulation, flocculation, sedimentation and neutralization are carried out in treatment.

A physical treatment could be carried out to reduce the load in wastewater before chemical treatment. Mechanical screen, drum sieve and DAF Unit could be utilized for this purpose.

The personnel to operate the treatment process are provided with an appropriate training by our company to ensure proper operation. The most commonly faced problems in Industrial and Chemical treatment are demonstrated practically, and training is provided on how to resolve these issues.

Areas of Use

- Textile Factories
- Slaughterhouses
- Hospitals
- Galvanization - Coating Industry
- Aluminum Factories
- Paint Factories
- Oil Factories
- Petrochemical Industry
- Meat Processing Facilities
- Other Industrial Facilities

Sludge Dewatering

The present amount of sludge in industrial treatment applications could be high. An appropriate method to eliminate this issue could be chosen according to the amount of sludge.

In cases of low density, a sludge bed can be used. If the sludge amount is high at the outlet of industrial and chemical treatment units, filter presses or belt presses can be utilized. For even higher amounts, a centrifugal decanter can be applied. Our company facilitates in-house manufacturing of such products.

When selecting equipment, the amount of sludge is calculated considering the efficiency of the chemical treatment unit. And selection of suitable sludge dewatering equipment is made accordingly.





Ptech

ENERGY - WATER - SEWAGE TREATMENT TECHNOLOGY

Umwelttechnik GmbH



+49 163 7037447
info@ptech-gmbh.com
Katzwanger Str. 150, 90461
Nürnberg, Germany

📷 ptechgmbh
🌐 Ptech Umwelttechnik GmbH
📺 @PtechGmbH

www.ptech-gmbh.com