



diva
envitec

PHT-Ox

(Pressure Hydro-Thermal Oxidation)

Removal of Recalcitrant & Toxic

COD > 60,000 ppm

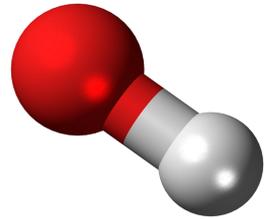


PHT-Ox reactor treats the high COD wastewater using proprietary catalyst and Oxygen. It consists of Plug Flow Reactor on a prefabricated skid.

Hydrolysis- Oxidation process is intensified for Hydroxyl generation and breaking toxic long chain molecules

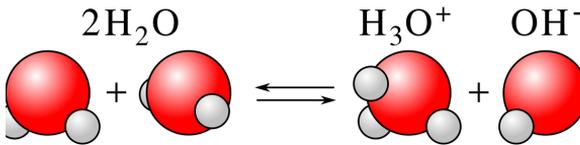
Process options:

1. **Low Pressure PHT-Ox** →5-6 Bar
 - Temperature → 80 °C
 - CS/ SS316L material
2. **Medium Pressure PHT-Ox** →10-12 Bar
 - Temperature → 190 °C
 - SS316L material
3. **High Pressure PHT-Ox** →20-22 Bar
 - Temperature → 220 °C
 - Inconel 625 material



Advantages:

- Zero chemical sludge generated during the Oxidation process
- Low chemical cost of operation as compared to conventional processes
- Different pressure options are available depending on water quality.
- Low residence time required.
- Potentials for Salt recovery.
- Low CAPEX and reduced OPEX.



CONTACT US:

Office: B-236, Oshiwara Industrial Centre,
opposite Oshiwara Bus Depot, Goregaon
West, Mumbai, Maharashtra - Pincode:
400102

Email: info@aboutfilter.com

Phone: +91 9167259611, 8104761136