

> 1400 Series

Conventional Treatment - Chemical Precipitation Process

The 1400 is a large, heavy duty system
engineered to treat water flows from 50 USGPM to 1000 USGPM .



Kontek's 1400 Series Wastewater Treatment Systems are integrated within each facility to meet the stringent effluent requirements that exist for metal finishers. Each unit is meticulously engineered to deliver customized results for flow rates, from 50 USGPM to 1000 USGPM. The manufacturing process begins with a comprehensive plant inspection, that allows Kontek to identify wastewater sources and precise treatment requirements.

Our engineers can determine which combinations of reagents and components are required. 1400 Series components are engineered and calibrated at Kontek, delivered separately and assembled in- place.



An ISO 9001 Company
Established 1980

Kontek 1400 Series

Kontek's 1400 Series. Thorough preparatory on-site testing guarantees seamless integration and flawless performance. High-volume inclined plate laminar flow clarifiers with poly-vinyl chloride plates effectively extract remaining waste particles. If the water doesn't meet compliance parameters post-clarification, it is automatically re-treated until it's ready for industrial re-use or, discharge to drain.



Kontek 1400 Series

Features and Benefits:

- Corrosion proof neutralization reactors, fabricated from fibreglass or polyethylene.
- Tandem solution transfer pumps and solution flow meters are standard on all systems, to ensure on-line service.
- Automatic polymer feed systems.
- Pulse proportionally controlled additions of reagent chemistry.
- Redundant pH/ORP controllers, with calibration indication, for all PLC controlled systems.
- Kynar housed 4-20 mA non-contacting ultrasonic level controllers, for all PLC controlled systems.
- "On-line" troubleshooting is incorporated on PLC controlled systems.
- High surface area laminar flow clarifiers, fabricated from epoxy-coated carbon steel or stainless steel.
- In-house fabrication of filter presses, fabricated from epoxy-coated carbon steel or stainless steel.
- Sludge thickener systems, complete with pump and level control systems.
- Bulk concentrated waste storage tanks complete with level control systems and system interlocks for "feed and bleed" treatment.

Continuous High Flow Treatment Systems 1400 Series

