

# Electrocoagulation and Advanced Electrochemical Oxidation Systems

Systems to remove hydrocarbons, suspended solids, heavy metals and most BOD and COD from wastewater and effluent

## COMPACT ELECTROCOAGULATION SYSTEMS

For more details, please refer to Technology Data Sheet: TDS801 Electrocoagulation and Advanced Electrochemical Oxidation

Product	Description	Max throughput (m <sup>3</sup> /hour)
EC-0100	1 compact EC reactor, integrated control unit and power supplies, skid mounted	2
EC-0200	2 compact EC reactors, integrated control unit and power supplies, skid mounted	5
EC-0240	2 compact EC reactors, integrated control unit and power supplies, air eductor, 1 mild steel flotation/settlement unit, skid mounted	5
ECA-0242	2 compact EC reactors (1 standard + 1 advanced oxidation), integrated power supply and control unit, 1 air eductor, 1 mild steel flotation/settlement unit, mounted in a 20 feet ISO container	5

## STANDARD ELECTROCOAGULATION SYSTEMS

Product	Description	Max throughput (m <sup>3</sup> /hour)
EC-5100	1 EC reactor, integrated control unit and power supplies, skid mounted	10
EC-5140	1 EC reactor, integrated control unit and power supplies, air eductor, 1 mild steel flotation/settlement unit, skid mounted	10
ECA-5252	1 standard EC reactor, 1 advanced oxidation EC reactor, integrated control unit and power supplies, air eductors 2 mild steel flotation/settlement units with automatic scrapers, mounted in a 20 feet ISO container	25
EC-6252	2 standard EC reactors, integrated master control unit (with remote telemetry) and power supplies, air eductors, 1 mild steel flotation/settlement unit with automatic scraper, mounted in a 20 feet ISO container	50
EC-7252	2 standard EC reactors, integrated slave control unit and power supplies, 2 air eductors, 1 mild steel flotation/settlement unit with automatic scraper, mounted in a 20 feet ISO container	50
EC-9454	4 standard EC reactors, integrated master control unit (with remote telemetry) and power supplies, air eductors, 1 mild steel flotation/settlement unit with automatic scraper, mounted in a 40 feet ISO container	100
EC-9434	4 standard EC reactors, integrated master control unit (with remote telemetry) and power supplies, air eductors, mounted in a 40 feet ISO container	100
EC-7454	4 standard EC reactors, integrated slave control unit and power supplies, air eductors, 1 mild steel flotation/settlement unit with automatic scraper, mounted in a 40 feet ISO container	100
EC-7432	4 standard EC reactors, integrated slave control unit and power supplies, air eductors, mounted in a 40 feet ISO container	100

Options available:

1. Stainless steel flotation/settlement units
2. ATEX zone 2 pressurised containers
3. Electrocoagulation cell plate chemistries: aluminium, iron, magnesium, titanium

## Global Advantech Limited

*Exceptional clean technologies for a sustainable future.....*

Energy House, 14 Maurice Close, Kimbolton, Cambridgeshire, PE28 0HD, United Kingdom  
 † +44 (0)845 519 0159 / e enquiries@globaladvantech.com / www.globaladvantech.com

# Electrocoagulation and Advanced Electrochemical Oxidation Systems



## ADVANCED ELECTROCHEMICAL OXIDATION SYSTEMS

Product	Description	Max throughput (m <sup>3</sup> /hour)
AO-9222	2 advanced oxidation EC reactors, integrated master control unit (with remote telemetry) and power supplies, chemical injection system, air eductors, 1 mild steel flotation/settlement unit with automatic scraper, mounted in a 20 feet ISO container	40
AO-7224	2 advanced oxidation EC reactors, integrated slave control unit and power supplies, chemical injection system, air eductors, 1 mild steel flotation/settlement unit with automatic scraper, mounted in a 20 feet ISO container	40
AO-9424	4 advanced oxidation EC reactors, integrated master control unit (with remote telemetry) and power supplies, chemical injection system, air eductors, 1 mild steel flotation/settlement unit with automatic scraper, mounted in a 40 feet ISO container	80
AO-7424	4 advanced oxidation EC reactors, integrated slave control unit and power supplies, chemical injection system, air eductors, 1 mild steel flotation/settlement unit with automatic scraper, mounted in a 40 feet ISO container	80

Options available:

1. Stainless steel flotation/settlement units
2. ATEX zone 2 pressurised containers
3. Advanced oxidation cell plate chemistries: iron, platinum, metal oxide

## COMBINATION SYSTEMS

Product	Description	Max throughput (m <sup>3</sup> /hour)
ECA-5252	1 standard EC reactor, 1 advanced oxidation EC reactor, integrated control unit and power supplies, air eductors 2 mild steel flotation/settlement units with automatic scrapers, mounted in a 20 feet ISO container	20