

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 ³ /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 ³ /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 ³ /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 ³ /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