

Compact CoAg System

For removing suspended solids, emulsified oils, and precipitated metals

The Water Maze Compact CoAg treatment system employs advanced coagulation and flocculation chemistry to promote the removal of minute suspended solids and most emulsified oils that are untouched by standard oil/water separation and filtration. The system is equipped with a patent-pending process for precise dosing and mixing of Water Maze CoAg+ coagulant and EC+ flocculant. These proprietary chemistries effectively collect the oils and solids into larger clumps that can be bottom-purged or filtered.

The Compact CoAg is typically combined with a clarifier/settling tank fitted with unique internal piping and an auto-purge system to evacuate the concentrated contaminants for convenient disposal. When combined with the Water Maze IPF2-20 Indexing Polishing Filter, the contaminants are separated from the water, producing a clarified stream that may be recycled or discharged (as allowed by local regulations).

Some typical applications for the Compact CoAg module include:

- **Treatment and discharge system:** typically combined with a 150-gallon clarifier/settling tank (or larger) and IPF2-20D automatic indexing, polishing filter
- **Recycle system,** typically combined with a 150-gallon clarifier (or larger), IPF2-20D filter, REC2-20A multi-pump system, and a processed water storage tank
- **Pretreatment, or post-treatment retrofit or upgrade** to an existing water treatment system, typically installed upstream from a cone-bottom clarifier tank, or downstream from an oil/water separator

Since 1989, Water Maze has been manufacturing water treatment systems principally for industrial applications where waste water is generated in manufacturing or by a cleaning method, such as a pressure washer.

Water Maze introduced the next generation in industrial waste water treatment equipment — the Innovator Series in 2010. Comprised of modular components which can be integrated together or, in some cases, applied individually; the Water Maze Innovator Series represents an advancement in technology that delivers performance unequaled by conventional recycling systems.



Patent Pending



Innovator Series
by waterMaze



Compact CoAg System | Features

Advanced Chemical Treatment

The Water Maze Compact CoAg System is an advanced chemical treatment system that applies chemical coagulants and flocculants to efficiently remove suspended solids, and emulsified oils from the waste stream.

This system requires very little maintenance and is cost-effective to operate. The Compact CoAg can be used on its own as the primary water treatment system, or as a pre-treatment system with other technologies, such as Electro-Coagulation, Bioremediation, or Filtration.

- Water Maze CoAg+ coagulant and EC+ flocculant are specifically formulated to work together and act on the light, suspended contaminants and oils found in most waste/recycle streams.



Compact CoAg shown with optional pH adjustment 150-gallon clarifier settling tank and IPF filter
Patent Pending

ISO
9001
REGISTERED

Compact CoAg Specifications

Part Number	1.103-510.0
Process Flow Rate*	Up to 20 GPM
Electrical	120V @ 14 amps with infeed pump
Dimensions	43"L x 17"W x 67"H
Shipping Weight (est.)	200 lbs

AVAILABLE OPTIONS:

Part No.	Description
8.921-729.0	pH (only) Controller with chemical injection pump (Factory installed)
8.921-730.0	AMC-1000 Auto Purge System with air-operated valve and controls

See your Water Maze Dealer for details, options, and pricing.

*Process flow rates may vary based on the water chemistry of the specific application

Compact CoAg Standard Features Include:

- ¾ HP infeed pump mounted on the chassis with an external level control float switch
- Automatic shut-down control system that monitors liquid levels in the two chemical solution tanks, as well as the filters media that is installed on the IPF filter unit (IPF available separately)
- Four coagulation mixing chambers
- Peristaltic injection pumps
- Integrated electrical control center
- Infeed Pump and Peristaltic Pumps Interfaced with Flow Switch for automatic injection of chemicals and transfer of water from upstream through the treatment process
- Skid mounted steel chassis and steel components are phosphate cleaned and electrostatically painted
- Manufactured in our ISO9000 facility in Camas, Washington USA.