

innovative water treatment systems

ADVANCED COAGULATION
WATER TREATMENT SYSTEMS

REMOVE SUSPENDED
SOLIDS, EMULSIFIED OILS
AND HEAVY METALS

FULLY AUTOMATED



 **ENWARE**
AUSTRALIA PTY LIMITED

WWW.ENWARE.COM.AU

innovative wash water treatment systems



waterAze
WATER TREATMENT SYSTEMS

ideal solutions for:
marinas
vehicle wash
equipment wash
industrial applications

A BROAD RANGE OF INDUSTRIAL APPLICATIONS CAN BENEFIT FROM OUR INNOVATIVE AND HIGHLY ADVANCED WASH WATER TREATMENT SYSTEMS THAT USE ELECTRO-COAGULATION AND CHEMICAL TREATMENT TO REMOVE:

- suspended solids
- emulsified oils
- heavy metals

FEATURES

- Compact and efficient
- Very low maintenance
- Fully automated
- No untreated, standing water left in the system means no odours
- Up to 45 litres per minute treatment

MODULAR CONFIGURATIONS TO SUIT YOUR APPLICATION

COMPACT CHEMICAL COAGULATION SYSTEM

For low flow, light waste stream sites. It is a good option for low budget applications.

COMPACT COAG → WATER FLOW → IPF → WATER FLOW → DISCHARGE



CHEMICAL TREATMENT SYSTEM

Fully automated system to treat wastewater containing more than 10000ppm solids/hydrocarbons.

COAG → WATER FLOW → IPF → WATER FLOW → DISCHARGE



ELECTRO - CHEMICAL TREATMENT SYSTEM

Configuration including EC system is recommended for sites that require higher quality treatment including heavy metals removal.

EC → WATER FLOW → IPF → WATER FLOW → DISCHARGE



RECYCLING OPTION

UV ozone system may be installed for additional polishing and disinfection allowing recycling of treated water.

EC → WATER FLOW → IPF → WATER FLOW → REC



EC (ELECTRO-COAGULATION UNIT)

Using advanced electro-coagulation technology the unique cell design automatically coagulates the wastewater so that solids and oils adhere to each other.

Then, the waste stream gets chemically flocculated and particles clump together, making them easier to remove by the IPF.

FEATURES & BENEFITS

- Fully automated with Programmable Logic Control (PLC)
- Water flow rate up to 45 litres per minute
- Fully enclosed control cabinet with lockable front doors
- PLC controlled electrical in-feed pump
- Automatic EC cell flush system
- Post EC cell inline mixing chambers
- Internal tanks - cone bottom design with automatic purge system for easy sludge removal
- Automatic Chemical flocculant injection system

TECHNICAL INFORMATION

Order Code:

WM-EC2

Process flow rate: Up to 45 litres per minute

Dimensions: 200 W x 148 D x 206 H cm

Estimated Consumption Rates: EC cell processing time approx. 140hrs.
1L of flocculant treats approx. 2000L of wastewater



COAG (COAGULATION UNIT)

The CoAg System is an advanced chemical treatment system, using the method of adding a chemical coagulant and polymer to the treatment process. Automated Programmable Logic Control (PLC) System monitors and controls the filling and purging of each tank. Simple automated operation with one button control. Mixing chambers ensures efficient process of chemical reactions.

FEATURES & BENEFITS

- Fully automated with Programmable Logic Control (PLC)
- Water flow rate up to 45 litres per minute
- Fully enclosed control cabinet with lockable front doors
- PLC controlled electrical in-feed pump
- Automatic EC cell flush

TECHNICAL INFORMATION

Order Code:

WM-COAG2

Process flow rate: Up to 45 litres per minute

Dimensions: 200 W x 148 D x 206 H cm

Estimated Consumption Rates: 1L of coagulant treats approx. 4000L of wastewater
1L of flocculant treats approx. 2000L of wastewater



COMPACT COAG UNIT

It is a perfect, economical water treatment solution for lightly contaminated waste stream where space available is limited. Using chemical coagulation and chemical flocculation it removes suspended solids, emulsified oils and heavy metals from the wastewater.

FEATURES & BENEFITS

- Process flow rates up to 45 litres per minute
- Modular, can be used as a pre or post treatment
- Multiple injection ports for customising the application
- Two peristaltic pumps for chemical injection
- Small footprint and portable

TECHNICAL INFORMATION

Order Code:

WM-COMPACTCOAG

Process flow rate: Up to 45 litres per minute

Electrical : 230V 1 phase 10amps with infeed pump

Dimensions: 60 W x 100 D x 180 H cm

Estimated Consumption Rates: 1L of coagulant treats approx. 4000L of wastewater
1L of flocculant treats approx. 2000L of wastewater



IPF (INDEXING POLISHING FILTER UNIT)

Applied as pre or post treatment solution to other water treatment technology to remove particles and can also be applied as a stand alone system.

FEATURES & BENEFITS

- Various micron size filter media is used and matched to the specific waste stream
- Automatically indexes filter media into sludge collector
- The Indexing Polishing Filter can also be applied as a stand alone solids removal system

TECHNICAL INFORMATION

Order Code:

WM-IPF2

Process flow rate: Up to 75 litres per minute

Dimensions: 120 D x 98 W x 102 H cm

Estimated Consumption Rates: 1 m of filter media per 1 tank purge (570L)



REC (WATER RECYCLING UNIT)

The Clean Water Recycle Module automatically manages the flow of treated water for reuse. It can be applied as a stand-alone module for the EC or CoAg system and may also be applied to other applications where water recycling is required.

FEATURES & BENEFITS

- Automatic fresh water top up system
- Circulates and aerates water in the clean-water tank
- Consists of a control module with a small footprint
- Programmable Logic Control (PLC)
- Uses a 4 UV lamp ozone generation system

TECHNICAL INFORMATION

Order Code:

WM-REC2

Process flow rate: Up to 75 (or 110) litres per minute

Electrical: 230V 1 phase 23amps with infeed pump

Dimensions: D 92 x W 71x H 165 cm



PIT CLEANER

USE YOUR PRESSURE WASHER TO REMOVE SLUDGE FROM A COLLECTION SUMP

Attaches to most brands of pressure washer and has a suctioning capacity of up to 150 litres per minute.

Once attached the Pit Cleaner begins suctioning wastewater, mud, grass and other sludge from your sump.

Order Code:

WM-PITCLEANER



FREE ON SITE APPRAISAL

See the treatment results our systems can achieve for you - contact us for an obligation FREE site visit.

For details call us on: **1300 369 273** or visit www.enware.com.au/water-treatment



Important: The effective installation of an EC or CoAg System depends upon the wash pad design. For specifications please refer to Technical Data Sheets.

**SPECIALIST
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