LOW VOC

BIOCLEAN

Now with LOW VOC,
(Volatile Organic Compounds)
designed to work with our
Automated Cleaning System

Gain an extra 30+ minutes production a day

'Cleaning in Place' Enzyme based detergent series products

ECOCHEM™
"Natural cleaning Solutions"
www.ecochem.com.au

LOW VOC CLEAN - YOUR ANILOX'S ARE ALWAYS CLEAN. A COMPLETE TOTALLY AUTOMATED SAFE SOLUTION FOR YOUR PLANT

LOW VOC

LOW Volatile Organic Compounds

The 'BIOCLEAN' Automatic System has become an international industry standard and has been recognised as an astounding success in the printing industry. Now, LOW VOC BIOCLEAN moves the bar ahead yet again. With our continuous development program and optimisation of our interactive molecular formulations, LOW VOC BIOCLEAN now offers a 4 minute wash cycle, with LOW Volatile Organic Compounds. Amazing cutting edge patented surfactant technology with a unique blend of specially designed enzymes to liquefy dried ink rapidly without any corrosive effect on equipment.

Used exclusively with Ecochem's patented automatic cleaning system, LOW VOC BIOCLEAN's optimised technology improves cleaning performance and reduces solids in waste water, bringing more savings in production and maintenance costs.
Depending on your shift structure, you may increase your production output and revenue by an extra 30+ minutes per day.

New LOW VOC BIOCLEAN can be used to safely and quickly remove ink off all surfaces in your plant. Non-corrosive and non-hazardous.

LOW VOC CLEAN delivers:

- FOUR MINUTE wash cycle
- Unique blend of special enzymes
- Advanced patented surfactant technology
- Dissolves dried ink even faster than before
- Increased production capability
- Greater maintenance savings
- Increased operator effectiveness
- Easier and quicker plate cleaning
- Reduced solid content in waste water
- Better waste water compliance
- Increased pride in machine care
- Non-corrosive and non-hazardous
- Your printers love it !

WHY ENZYMES?

Enzymes are biological molecule catalysts that act on molecules like starch. They don't get used up in each reaction and can work in the right conditions until all the ink and starch is broken apart and dissolved. Enzymes are a part of nature and are fully biodegradable.

Cleaning in Place - Enzyme based detergents do not require plant to be disassembled.

Other corrugated box industry products include:

EVOLUTION STARCH OFF ULTRA - For controlling starch build ups.

Using the Ecochem System

The patented Ecochem System pulls LOW VOC BIOCLEAN® concentrate from a 1000lt/264-gallon tote, dilutes and delivers it directly to every print station.

The system is designed to inject **LOW VOC BIOCLEAN** into the ink lines. It is simple to install and easy to maintain and use. It uses a special electronic control to deliver **LOW VOC BIOCLEAN** to the anilox rolls and ink systems. This program reduces the time required for wash-ups to as little as 2-4 minutes.

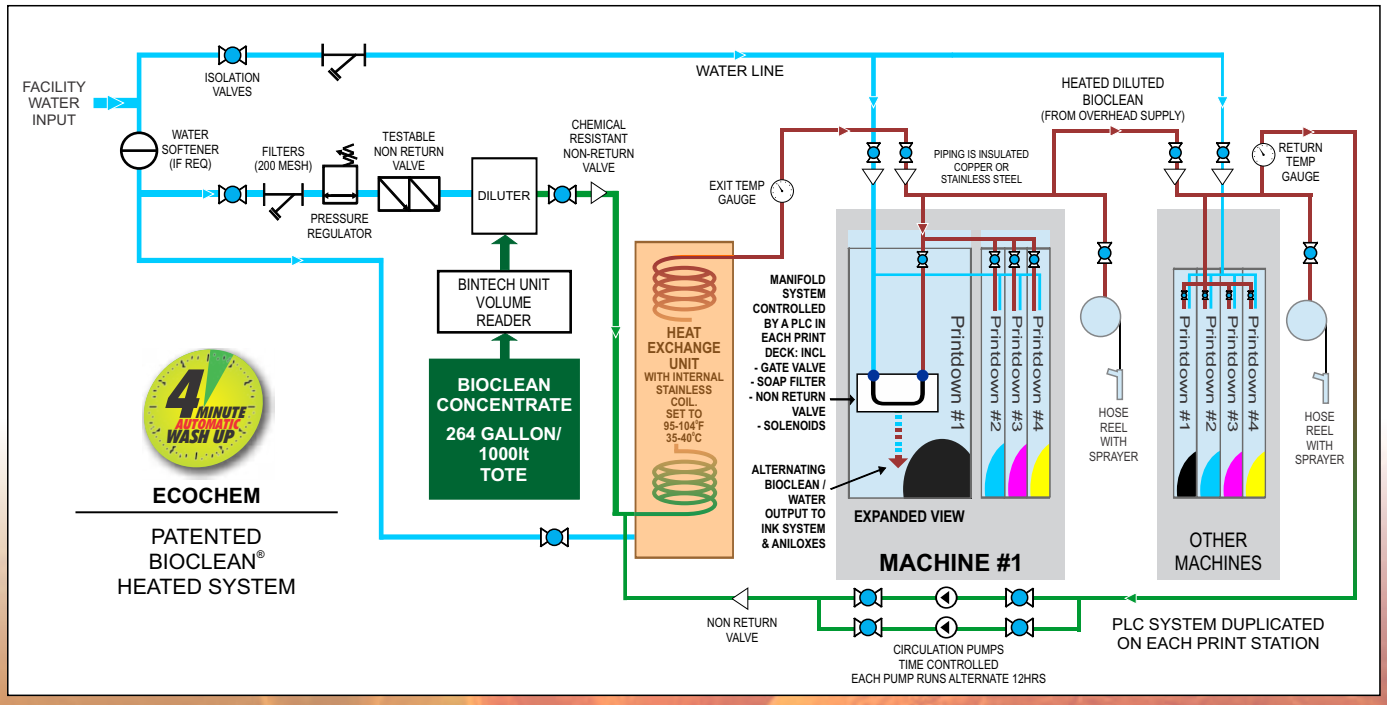
LOW VOC BIOCLEAN is automatically diluted 1:20-1:30 and delivered to each converter for an electronically controlled cleaning and water rinse cycle.

A FOAM GUN is also mounted at each converter for manual use, allowing **LOW VOC BIOCLEAN** foam diluted to 1:20-1:30 to be applied to surfaces for the removal of ink, allowing good contact time while preventing atomisation and splash back. This gives the operators the power to clean print plates, ink trays and the machine body itself before leftover ink becomes a problem.
At this dilution rate the product is **completely non-hazardous**.

The Components of the system are:

- Facility water supply
- Bintech Usage Reporter
- Diluting unit
- PLC with programmed 2, 4 and 6 minute wash cycles
- Switching manifold
- Plumbing directly to machines
- Foamer / sprayer
- Heat Exchange Unit

The regular use of the Ecochem System turns back the clock on ink system wear and tear. Instead of slowing down the rate at which dried ink builds up in the system, LOW VOC BIOCLEAN washes away old ink from anilox rolls, ink lines, pumps and supporting equipment.



LOW VOC

Gain an extra 30+ minutes production a day

- LOW volatile organic compounds
- Centralized automatic cleaning system for all converting lines
- Automation eliminates chemical cleaning Health & Safety issues
- Tidy, simple and automatic
- Reduced manual labour for Anilox Roll Cleaning
- Increased production time with less breakdowns
- Superior printing
- Product formulation will not corrode doctor blades or blister anilox rolls or damage rubber rolls and seals on bearings
- Reduction in the use of ink and water
- System uses approx half manual cleaning wash-up
- Concentrated at 1:20, LOW VOC CLEAN 5G comes in a 264 gallon/1000 litre tote bin and makes 5,280 gallons/ 20,000 litres of wash up
- Significant direct and indirect cost savings

Take our Challenge…

Take any two-color Flexo or Rotary Die Cutter in your plant …

Install just one Ecochem Automatic System

Let us prove it is the best investment in anilox cleaning you ever made … or your money back !*

*You will need to provide hoses, water filter, check valve and a few other plumbing items, plus shut-off valve for drum installation. Conditions apply, please contact us to discuss your requirements.

Contact us now for more information and a convincing on-site demonstration

ECOCHEM™
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