

DERAGGERTM

by Clearwater Controls



INTELLIGENT EFFICIENCY



INDUSTRIAL
FLOW
SOLUTIONSTM

SOLVING PROBLEMS DIFFERENTLY: ADDING INTELLIGENCE TO EQUIPMENT.



2010

DERAGGER™ prototype invented combining a logic processor and power monitor.

First DERAGGER™ installation.

2011



2013

First US installation (Los Angeles, CA).

DERAGGER PRO™ revolutionizes equipment control.

2015



2016

DERAGGER™ LITE provides easy deragging.

DERAGGER™+ adds more problem solving applications.

2017



POWERMONITOR™

Combining motor protection and datalogging in an easy to install, compact device.



PRO
COMPATIBLE ✓

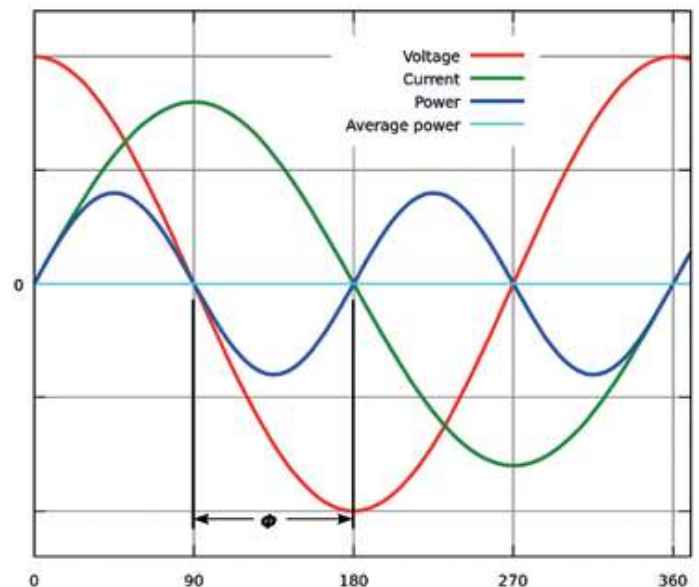


DATA LOGGING KEYPAD

- Records high resolution power data.
- 20 years data storage on-board.

ADVANCED MOTOR PROTECTION

- Current & Voltage, Over /Under Protection.
- Phase loss protection.
- Able to react in nano-seconds.



EASY MONITORING

- Remote SCADA feedback.
- 40+ parameters monitored.



"The POWER MONITOR™ paid for itself the very first time we ever needed it to protect the influent screen."

B. Lewis, Billings, MT

DERAGGERTMLITE

The smart way to end ragging problems.



DON'T RUN PARTIALLY RAGGED:

- Off-balance / vibration destroys seals.
- Decreases flow, increases runtime.
- Higher power bills.



EARLY DETECTION PREVENTS CLOGS:

- No more lift and clean.
- Reduced overtime and man-hours.
- Safer for employees.



MOTOR
PROTECTION



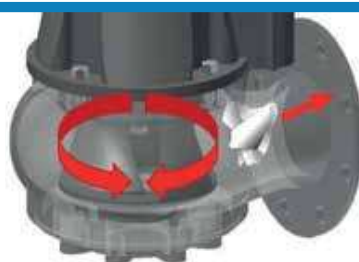
ANTI-
RAGGING

THE SMART CHOICE:

- No need for grinders / choppers.
- Compatible with most centrifugal pumps, and all starter types.
- Includes *Real Time Pump Protection*TM.



First rags catch
on impeller



DERAGGERTM initiates
customizable clean cycle



Pump always
runs unobstructed

DERAGGERTM

by Clearwater Controls

Deragging, plus money-saving Apps.



DATA LOGGER

DATA LOGGER:

- Remote SCADA feedback.
- 40+ parameters monitored.
- Includes 20 years storage capacity.

**PRO
COMPATIBLE** ✓



WET WELL CLEAN APP:

Periodically cycles station to clear FOG and debris, eliminating 90+% of vactoring.



WET WELL CLEAN



DERIVED FLOW

DERIVED FLOW APP:

Calculates flow within 2% accuracy of mag-meter.

ODOR CONTROL APP:

Prevents septic conditions by churning wet well.



ODOR CONTROL



"We saved \$100,000 in the first eight months. It's an incredible solution to an age-old problem."

Tim Perry, Public Works Director,
City of Palestine

DERAGGER PRO™

CONTROL SYSTEMS SIMPLIFIED



DERAGGER PRO™

DERAGGER™+



SEWAGE PUMPS



POWER MONITOR™



BLOWERS



POWER MONITOR™



CLEAN WATER PUMPS



DERAGGER™+



MIXERS / AERATORS



The DERAGGER PRO™ is the future of control systems.
Its intelligent touchscreen provides a simple way
to control equipment with no special training.



Pump Analysis Screen

SIMPLIFIED DATA TRENDS

Provides trending data to show how equipment is performing.



Tank Settings Screen

EASY TO PROGRAM

Takes minutes to configure rather than hours or days, using the intuitive interface via swipe touch screen similar to smart phone.



SIMPLIFYING CONTROL

- No PLC or integrator required.
- Single PRO controls up to 16 devices.
- Smartphone interface available.



"After trying both a self-reversing pump system and the DERAGGER PRO™ controller, I prefer the PRO for its functionality, flexibility and great color touchscreen – and it costs a fraction of the competition!"

John Bebow,
Union Township

READ OUR CASE STUDIES:



Design by ideas.co.uk

"Using the DERAGGER™ we are saving over \$1,200 per month, plus we can utilize staff for other activities instead of the constant pump cleaning."

Kishen Prathivadi, P.E, PMP, Sewer Authority Mid-Coastside

**SEE WHAT
YOU COULD
SAVE**

DERAGGER™
by Clearwater Controls

**cost saving
calculator**



**YOUR LOCAL
REPRESENTATIVE:**



MAZE INDUSTRIAL
Process Equipment Solutions

www.mazeindustrial.com

Tel: +61 8 6162 9755 Email: sales@mazeindustrial.com



**INDUSTRIAL
FLOW
SOLUTIONS™**

Industrial Flow Solutions
104 John W Murphy Drive, New Haven, CT 06513
860-631-3618 | sales@flowsolutions.com
www.flowsolutions.com