

DESCRIPTION

DREW EGT Exhaust Gas Treatment Dosing System is designed to dose DREWCLEAN® EST economizer soot treatment to prevent excessive buildup of soot within the exhaust gas system of diesel engines. Soot buildup reduces the efficiency of exhaust gas economizers, and excessive soot buildup can lead to costly exhaust stack fires.

DREW EGT system consists of a variable delivery magnetic impulse pump, solenoid valves, and a sequential timer mounted, piped, and wired on a backplate with an integral free-standing frame. One or two chemical injection nozzles can be installed within the exhaust system as required for optimum chemical distribution. A temperature probe is also installed in the exhaust gas stack to monitor the exhaust gas temperature. Two pails of DREWCLEAN EST economizer soot treatment can fit within the frame. The dosing pump takes suction from one of the chemical pails and atomizes it using a fog applicator. A pressurized air supply is used to move and inject the chemical mist into the exhaust stack. The system can be configured for up to three separate dosing locations. The DREW EGT system can be programmed at dosing intervals between 4 and 24 hours, and the length of the injection period can be set from 30 seconds to 60 minutes.

Set in automatic mode, the unit will inject a predetermined quantity of chemical into the exhaust gas system at preset intervals. The temperature probe monitors the exhaust gas temperature (above 220°C) to verify that the engine is



PCN 1AA2623

operating. If the temperature drops below this level either prior to or during injection, the cycle is paused and resumes again only after the dosing conditions are met.

FEATURES

- Fog applicator ensures uniform treatment particle size
- Automatic dosing (programmable)
 - Dosing intervals from 4 to 24 hrs
 - Injection period from 30 seconds to 60 minutes
- Chemical supply low level alarm
- Air system low pressure alarm
- Temperature probe ensures dosing to operating engines only
- Injection quill is constantly provided with air flow and to prevent clogging with exhaust deposits
- One system can dose up to three injection points
- Delivery volume is adjustable to set exact dosing required

BENEFITS

- Fine particle size reaches and treats entire economizer surface area
- Simplifies engine room operation for maintaining economizer treatment
- Restores exhaust heat recovery transfer surface efficiency to improve fuel consumption
- Eliminates costly exhaust stack fires
- Optimizable treatment versus engine load offers full flexibility



Contact your Drew Marine representative for more information

APPLICATION & USE

DREWCLEAN EST economizer soot treatment is dosed 2-3 liters per 24 hours when the engine is operating. Soot blowers (if available) should be operated between 30 to 90 minutes after the chemical injection cycle has been completed to obtain optimum cleaning results. System can be adjusted to provide the exact dosing desired. It is recommended to inject DREWCLEAN EST treatment every 4-6 hours with a running time of 12-15 minutes. refer to the DREWCLEAN EST treatment data sheet for more information.

SPECIFICATIONS

Maximum Air pressure:	13 bar
Protection:	IP 54
Supply Voltage:	90-240 VAC 50 Hz/60 Hz
Ambient Temperature:	maximum 65°C
Weight:	34 kg
Nominal Power:	100 VA
Dimensions/ Weight:	300x195x485/45 kg

ORDERING INFORMATION

DREW EGT Dosing Unit System (PCN 1AA2623).

IMPORTANT INFORMATION

Drew Marine maintains Material Safety Data Sheets on all of its products. Material Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees.

Our Material Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



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