

CLEAN

OPERATING INSTRUCTIONS



Danger
Electrical hazard

SAFETY INSTRUCTIONS

PLEASE READ THIS LEAFLET CAREFULLY BEFORE OPERATING YOUR MACHINE.

ELECTRICAL HAZARDS

Electrical hazards can cause serious injury or death. Always follow safety procedures and guidelines when working with or around electricity.

WARNING SIGNS

Shock Hazard: Be aware of the potential for electric shock when working with exposed wires or electrical components.

Fire Hazard: Faulty wiring or overloaded circuits can cause electrical fires.

SAFETY PRECAUTIONS

De-energize: Always de-energize circuits before working on them. Use a voltage tester to ensure the power is off.

Lockout/Tagout: Use lockout/tagout procedures to prevent circuits from being accidentally re-energized while work is being performed.

Insulation: Use insulated tools and wear appropriate personal protective equipment (PPE), such as gloves and safety glasses.

Grounding: Ensure all electrical equipment is properly grounded to prevent shocks. **Inspection:** Regularly inspect electrical equipment for damage or wear. Replace any damaged components immediately.

Emergency Procedures

If someone is being shocked: Do not touch them. Turn off the power source immediately. If you cannot turn off the power, use a non-conductive object (such as a wooden broom handle) to separate the person from the electrical source. Call emergency services immediately.

If there is an electrical fire: Do not use water to extinguish the fire. Use a fire extinguisher rated for electrical fires. Call emergency services immediately.

IMPORTANT NOTES

Only qualified electricians should perform electrical work.

Never overload circuits or extension cords.

Keep electrical equipment away from water.

If you are unsure about any electrical procedure, stop and ask for help.

Trap Hazard in DPF Cleaning Machines

This document serves as a critical safety warning regarding potential trap hazards in Diesel Particulate Filter (DPF) cleaning machines. It is imperative that all personnel operating, maintaining, or working near these machines are aware of and adhere to the safety guidelines outlined below.

Hazard Identification

DPF cleaning machines contain moving parts and enclosed spaces that present a significant risk of trapping fingers, hands, limbs, or other body parts. These hazards may be present during operation, maintenance, or even during idle periods if safety procedures are not strictly followed.

Potential Risk Areas

Moving components: Pneumatic doors, These components can create pinch points and shear hazards.

Enclosed spaces: Be cautious when accessing internal compartments for maintenance or inspection. Ensure that all power is disconnected and lockout/tagout procedures are followed before entering any confined area.

Hydraulic and pneumatic systems: These systems can generate significant force and pressure, posing a risk of crushing or trapping limbs if not handled properly



SAFETY PRECAUTIONS

Read and understand the manual: Thoroughly review the manufacturer's operating and maintenance manuals for the specific DPF cleaning machine you are working with.

Lockout/tagout procedures: Always follow proper lockout/tagout procedures before performing any maintenance or inspection on the machine. This ensures that power is disconnected and the machine cannot be accidentally activated.

Personal Protective Equipment (PPE): Wear appropriate PPE, such as gloves, safety glasses, and protective footwear, at all times when working with or around DPF cleaning machines.

Keep clear of moving parts: Maintain a safe distance from all moving parts of the machine during operation. Never attempt to reach into the machine while it is running.

Regular inspections: Conduct regular inspections of the machine to identify any potential hazards or malfunctions. Report any issues to the appropriate personnel immediately.

Training: Ensure that all personnel operating or maintaining the machine have received proper training and are aware of the potential hazards and safety procedures.

EMERGENCY PROCEDURES

In the event of an accident or injury involving a trap hazard, follow these procedures:

Immediately stop the machine.

Provide first aid to the injured person.

Disclaimer: This information is for general guidance only and does not replace professional training or advice. Metclean declines all responsibility for personal injury or material damage resulting from non-observance of the above rules.

The non-observance of these rules produces the total and prompt cancellation of the guarantee.

"I confirm that I have read, understood, and agree to the terms of this disclaimer."

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Date: / /

OPERATING INSTRUCTIONS

Before operation please make sure your DPF cleaning machine is connected to 240v with a 5-8 Bar air supply, The water tank is full. Filters are free from heavy contamination and the operator has had sufficient training.

Inspect the DPF/DOC/CAT to determine flow direction. We fit the DPF to the machine flushing in the opposite direction. Find a suitable adapter, fit the adapter to the OUTLET of the DPF, secure any pipes, cables etc and clamp to the **STAINLESS BRAIDED HOSE** of the DPF machine.

CLAMP

Position the DPF use the straps to secure the DPF in place facing away from the door. Once in place, double check that it is secure.

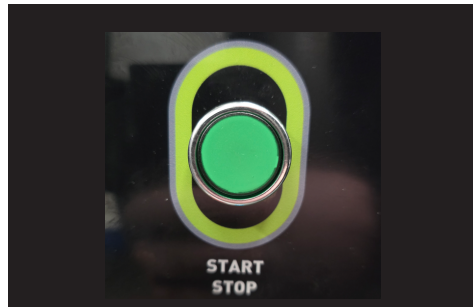
Close the door using 2 handed operation fully and lock with the clasp



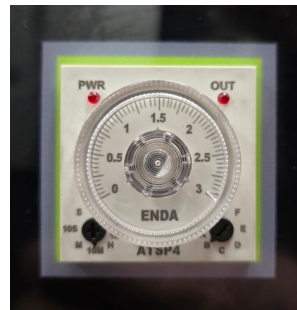
CLEAN



Press **START BUTTON** This will start the washing process
PREWASH > WASH > HIGH PRESSURE IMPACT



After this process has finished, The machine will automatically stop, length of the wash can be changed with this dial from 0 to 30 minutes



STOP/E STOP



Press **EMERGENCY STOP** to end the process at any point.



WASH SETTINGS

PRESSURE GAUGE make sure there is a minimum air pressure of 5 bar on the gauge

PRESSURE ADJUSTMENT use the control knob in the picture to adjust pressure up and down

CAVITATION BURST LENGTH on the METClean V, the burst intervals is automatically set on PDI



COLD DRY TIME

COLD DRY TIME After the cleaning process has ended, you can use the "dry" function to remove excess water from the DPF



MISC

240v Supply Please ensure your vehicle 240v supply to the machine is protected by a twin pole RCBO for your safety

VARIABLE WATER FLOW The machine is fitted with a VFD controller which can be turned up or down on the control dial. this will increase and decrease the water pressure used.

FUSES The machine is equipped with 3 x circuit breakers within the "E" box

LIGHTING The lighting switches on automatically when the emergency stop is released



Sock Filter

The sock filter can be replaced by emptying the machine water, removing the ring of hex caps and removing the filter.

