



OPERATING INSTRUCTIONS
MET Clean S

“ THE ONLY WAY OF REMOVING ASH FROM THE **DPF** (DIESEL PARTICULATE FILTER) IS THROUGH PROFESSIONAL OFF CAR CLEANING.

OUR STATE OF THE ART MACHINE RANGE **GUARANTEES** 98% REMOVAL OF ASH, SOOT PARTICLES & OTHER CARBON DEPOSITS. ”



METCLEAN XL

- Large internal dimensions for ease of DPF fitment, industrial-grade stainless steel braided power hoses and low tank heat up times due to shallow build with full insulation.
- Double pneumatic rams with upgraded HGV attachment
- Versatile Cleaning tailored for trucks, buses, passenger vehicles, vans, and cars, our truck ensures comprehensive filter maintenance across various vehicle types.
- Equipped with a 200-liter water tank. One tank can sustain 30-40 wash cycles.
- Pre Test feature with fully customisable print out.
- Soft Start: The METCLEAN has a dynamic soft start feature, gradually introducing water pressure minimising any damage to the DPF
- Powerful Pumping with a robust ultra low noise chromoly 2.5 kW 3Phase pump for high-pressure washing.
- Cutting-Edge Drying Technology: Hot drying system capable of reaching temperatures of up to 100 degrees Celcius.
- Customise water temperatures up to 80 degrees Celsius.
- Stainless steel lifetime cartridge and bag filters to maintain the cleanliness of the water tank.
- User-Friendly Interface: Access all adjustments effortlessly on the touch screen, including washing time, water temperature, drying time, and more, for a tailored cleaning experience.





METCLEAN S

- The METCLEAN S has an array of excellent features, making this machine highly desirable.
- Industrial-grade stainless steel braided power hoses and low tank heat up times due to shallow build with full insulation.
- Tailored for vans and cars the S is capable of cleaning DPF, SCR, GPF, OPF, Intercoolers, EGRS and radiators.
- 150-liter water tank, One tank fill can sustain 30-40 wash cycles, maximizing operational efficiency.
- Pre test feature with fully customisable print out will give you an instant indication on DPF condition.
- Powerful Pumping with a robust chromoly 2.5 kW 3Phase pump for high-pressure washing, Ultra low noise output with low current draw.
- Hot drying system capable of reaching temperatures of up to 100 degrees Celcius.
- Customise water temperatures up to 80 degrees Celsius, ensuring optimal cleaning conditions for every vehicle.
- Advanced Filtration System incorporating stainless steel lifetime cartridge and bag filters to maintain the cleanliness of the water tank.
- User-Friendly Interface: Access all adjustments effortlessly on the touch screen, including washing time, water temperature, drying time, and more, for a tailored cleaning experience.



METCLEAN E

- The METCLEAN E has an array of excellent features, making this machine highly desirable.
- Industrial-grade stainless steel hoses and low tank heat up times due to shallow build with full insulation.
- Versatile Cleaning tailored for vans and cars, our machine can clean DPF, SCR, DOC, GPF, OPF, Intercoolers. Radiators and EGR valves
- 150-liter water tank, one tank fill can sustain 20-30 wash cycles, maximizing operational efficiency.
- Soft start feature gradually introducing water pressure minimising any damage to the DPF.
- Powerful Pumping with a robust 2.5 kW 3Phase pump for high-pressure washing, ensuring thorough cleaning every time. Ultra low noise output with low current draw.
- Cold Dry Feature: Using compressed air supplied the METClean E is cable of pushing any excess water out at the of the cycle.
- Precise Temperature Control: Customise water temperatures up to 80 degrees Celsius, ensuring optimal cleaning conditions for every vehicle.
- Advanced Filtration System including tank filter and micro bag sediment filter in cased in Stainless Steel housed canister.



* All models; One year warranty including an engineer to site facility in cases where self-help is not available. Full backup and support from the UK. Service & extended warranty plans available.



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 (32a ideally) with a 10 Bar air supply, The water tank is full and on level ground. 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 close to the clamping ram. Use the toggle lever on the clamping ram to secure the DPF in place facing away from the door. Once in place, double check that it is secure.



Press the **PRE TEST** button to carry out an initial assessment. The machine will operate the air flow to determine the fill level of the DPF.

5-15 Mbar OK

15-30 Mbar MEDIUM

30-> Mbar BLOCKED

CLEAN



Press **AUTO CLEAN** This will start the washing process **PREWASH > WASH > HIGH PRESSURE IMPACT**

After this process has finished, you will be notified via audible sound and a red flashing beacon. To start the drying process, switch from the **STAINLESS BRAIDED HOSE** to the **BLUE DRYING HOSE**.



DRYING



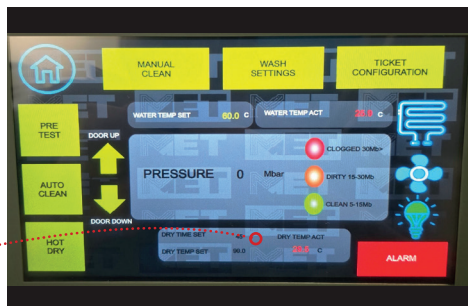
Press **HOT DRY** to start the drying process.

Once this process has ended you will be informed by an audible warning and flashing beacon.

Please note, on some DPF types (mainly DPF CAT combo) a high water saturation during the process will not dry by machine.

Only by DPF oven or on the vehicle with a driving cycle. If your heater switch trips during drying process this is due to high saturation.

Hot dry time and temperature can be altered here by simply pressing and adjusting



WASH SETTINGS

PRE TEST length of time to test the DPF pressure before

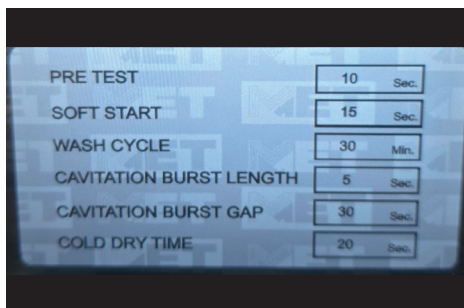
SOFT START length of time to prewash the DPF on low pressure recommended settings 30 to 60 seconds (for more blocked DPF extend this to prevent any damage from high pressure wash)

WASH CYCLE Length of time for the main washing cycle. Recommended settings 30 Minutes.

CAVITATION BURST LENGTH length of time for high pressure pulse. Recommended settings 5 seconds

CAVITATION BURST GAP Length of time between high pressure pulse. Recommended setting 30 - 60 seconds

COLD DRY TIME length of time at the end of the process that compressed air is forced through the DPF to empty residual water (this is not the hot dry function)



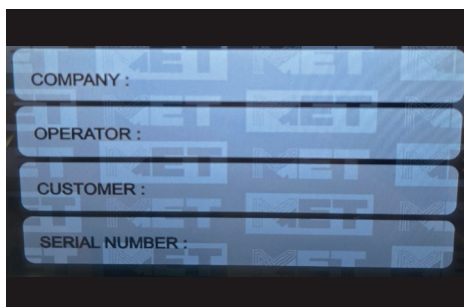
PRINTER SETTINGS

COMPANY = Company Name

OPERATOR = Technician Name

CUSTOMER = DPF owner name

SERIAL NUMBER = Log of DPF number





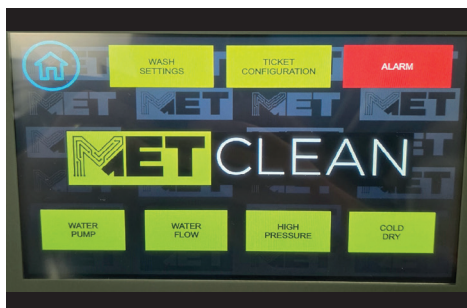
MANUAL WASH SETTINGS

WATER PUMP = Main water pump on (this will not flow with just this on)

WATER FLOW = Will allow water to flow (pump must be on)

HIGH PRESSURE = High pressure pump for blast

COLD DRY = Cold compressed air to empty residual water from machine



MISC

WATER TEMP can be adjusted by clicking here (this is to be used only on 32A connection)

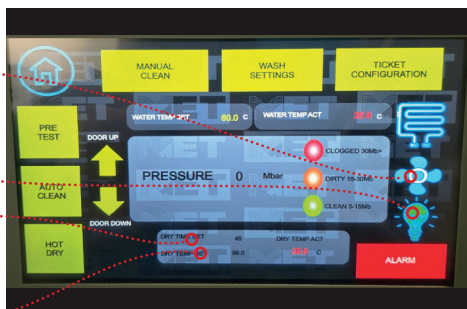
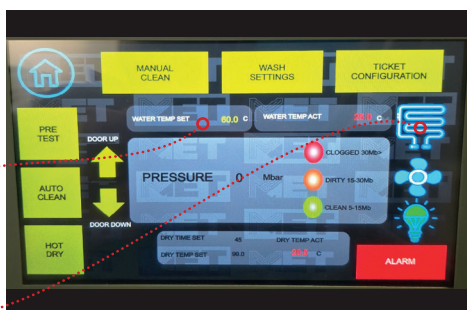
WATER HEATER Turns on the integrated water heaters (to be used only on 32A connection)

CABINET FAN extracts any steam from the working tank

LIGHTING turns on the internal lights for working

DRYING TIME is the length of time for HOT dry recommended time 10-15 mins

DRYING TEMP is the temperature of drying. Recommended 70-100 degrees.



ALARM

This screen will inform you of reason for stoppage or failure

