METCLEAN DPF CLEANING MACHINES AND WASHPRO

SAFETY, INSTALLATION AND COMPLIANCE

Read this guide before you install, use, clean or service your machine. Keep it with the How to Use Guide for your model for the life of the machine.

XL MULTI | S | E | V | LITE | WASHPRO

ORIGINAL INSTRUCTIONS | 2027 EDITION

Supplied and supported by MET 01934 644427 | contact@mobileecotuning.com | metcleanmachines.com/support

START HERE

00 ABOUT THIS GUIDE

This guide covers the safety, installation and legal information for every METclean machine. The step by step operating instructions are in the separate **How to Use Guide** for your model. Use both together.

WHICH GUIDES GO WITH YOUR MACHINE

MACHINE	USE WITH
METclean XL Multi	How to Use the METclean XL Multi; Filter and Water Change Guide
METclean S	How to Use the METclean S; Filter and Water Change Guide
METclean E	How to Use the METclean E; E and V Pressure Test Kit Guide; Filter and Water Change Guide
METclean V	How to Use the METclean V; E and V Pressure Test Kit Guide; Filter and Water Change Guide
METclean Lite	DPF One Shot Off Vehicle Instructions and Safety Data Sheet
METclean washPRO	How to Use the METclean washPRO

MANUFACTURER

Eco Tuning Ltd (trading as MET), Unit 45 Lynx Crescent, Weston-super-Mare, BS24 9DJ, United Kingdom. Phone 01934 644427, contact@mobileecotuning.com. Designed in the UK by MET. Made in Turkey.

DECLARATIONS OF CONFORMITY

Every machine carries the CE and UKCA marks. The EU and UK Declarations of Conformity, these instructions and all the guides are at **metcleanmachines.com/support**. Scan the QR code on the machine's rating plate to open them. A paper copy of these instructions is provided free of charge if you ask for one when you buy the machine.

INTENDED USE

MACHINE	USE IT FOR
XL Multi, S, E, V	Off-vehicle cleaning of DPF, catalysts, GPF and OPF, SCR, DOC, intercoolers, EGR valves and radiators with heated water and air injection. The XL Multi also cleans HGV DPFs with its HGV ram. The V is used inside a van with the vehicle parked and the engine off.
Lite	Off-vehicle cleaning of car and LCV DPFs with METclean DPF One Shot fluid and water.
washPRO	Heated high pressure washing of vehicle parts inside the closed cabinet.

PROFESSIONAL USE ONLY

Only trained, competent adults may install, use, clean or service these machines. MET provides training with every XL Multi and S installed in mainland UK.

SAFETY FIRST

01 NEVER DO THIS

FORESEEABLE MISUSE: NEVER

- wash an oil or sludge contaminated DPF without chemical pre-treatment. The system is not designed for oil, and the filter bag can burst at the bottom
- run without the filter bag fitted, or with the tank low
- wedge doors open, or bypass any switch, guard or interlock
- start a clean before the DPF and adaptor are clamped
- connect to a supply smaller than the rating plate shows, use an extension lead, or use a supply without RCD protection
- point a lance, gun or hose at a person or animal
- use petrol, solvents, thinners or any chemical not approved by MET
- open an electrical panel with the machine connected to the supply

WARNING SIGNS ON YOUR MACHINE

SIGN	MEANING	WHERE
	**Read the instructions** before use	Near the controls
	**Electrical hazard.** Live parts inside. Isolate and lock off before opening	Electrical box doors
	**Hot surface.** Tank, wash pipe and the drying pipe inside the cabinet can be hot	Tank, wash pipe, drying pipe
	**Crushing of hands.** Doors and the HGV ram close with force	Doors, HGV ram
	**High pressure jet, 150 bar** (washPRO). Never point at people	Beside the lance
	**Wear** eye protection, gloves and, for filter work, a dust mask	Wash chamber door

PERSONAL PROTECTIVE EQUIPMENT

Chemical resistant gloves, safety glasses or goggles and safety footwear at all times. An FFP2 dust mask (minimum) when handling filter bags, ash or dry soot. Overalls on the washPRO.

RISKS THAT REMAIN

MET has designed out as many risks as it can. These remain and are controlled by you: hot water and hot surfaces; soot, ash and chemical contact; water under pressure; a wet floor; heavy DPFs and parts; and, on the washPRO, a 150 bar water jet.

BEFORE YOU START

02 SPECIFICATIONS AND INSTALLATION

MODEL	SIZE L X W X H	WEIGHT EMPTY / FULL	TANK	SUPPLY	CURRENT
XL Multi	2100 x 980 x 2100 mm	461 / 661 kg	200 L	230 V 1 ph 50 Hz, 32 A plug	23 A
S	1640 x 800 x 2100 mm	278 / 428 kg	150 L	230 V 1 ph 50 Hz, 32 A plug	23 A
E	1320 x 800 x 2060 mm	212 / 362 kg	150 L	230 V 1 ph 50 Hz, 32 A plug	22 A
V	1100 x 1100 x 1140 mm	200 / 320 kg	120 L	230 V 1 ph 50 Hz, 13 A plug	2 A
Lite	See rating plate	50 / 75 kg	25 L	See rating plate	See plate
washPRO	2020 x 800 x 1200 mm	198 / 348 kg	150 L	230 V 1 ph 50 Hz, 32 A plug	See plate

Full weight is the empty weight plus a full tank of water. Always check the rating plate on your machine.

INSTALLATION CHECKLIST

YOU NEED	DETAIL
Electrical supply	A dedicated, RCD protected supply installed by a qualified electrician. XL Multi, S, E and washPRO: 230 V single phase 32 A socket on a 40 A Type C breaker. V: 13 A socket. No extension leads.
Compressed air	Clean, dry workshop air (5 bar for the washPRO air gun). The machine regulates the air it uses.
Floor	Solid and level, able to take the full weight above. Lock the castors where fitted.
Water and drainage	Clean water to fill the tank. A container or approved drain for emptying. Never drain to surface water.
Space and air	Room to open every door and panel and reach the filters. A well ventilated workshop.
Lifting	Move the machine empty, with a forklift or pallet truck under the base. Never lift a machine with water in it.

METCLEAN V IN A VAN

The V has no castors. Bolt it to the vehicle floor with the MET fixing kit, drain the tank before driving, and only run it with the vehicle parked and the engine off. The van and any conversion are the van builder's responsibility.

IF SOMETHING GOES WRONG

03 EMERGENCY STOP AND EMERGENCIES

EMERGENCY STOP

1. Press the red emergency stop. The pump, heaters and air stop at once and the air side is released.
2. Make the machine safe and deal with the problem.
3. Twist the button to release it.
4. Press start again. The machine never restarts on its own after an emergency stop or a power cut.

ELECTRIC SHOCK

Do not touch the person. Switch off at the isolator or the wall supply, or push them clear with a dry, non-conductive object. Call 999 (112 outside the UK).

ELECTRICAL FIRE

Never use water. Switch off if safe to do so and use a CO2 or powder extinguisher. Call 999.

INJECTION INJURY

A jet or pressurised leak that pierces the skin needs urgent hospital treatment even if the wound looks small. Tell the hospital it was a high pressure water injection.

HEAT, PRESSURE AND NOISE

04 HOT SURFACES, PRESSURE AND NOISE

HOT SURFACES

The tank can run at up to 80°C (washPRO 90°C) and the drying air at up to 100°C. The tank, wash pipe and the drying pipe inside the cabinet can burn. Let the cycle finish and the drying air stop before you reach into the cabinet. Let the water cool before draining.

WASHPRO: 150 BAR HIGH PRESSURE JET

Close the door before pressing the foot pedal, and never open it while the pump runs. Releasing the pedal stops the jet. When the lance is out of its holder, hold it with both hands and never point it at anyone. Check the hose and lance before every use and never use a damaged one.

NOISE	VALUE
XL Multi, S, E, V at the operator position during washing with air injection	The A-weighted emission sound pressure level does not exceed 70 dB(A). Hearing protection is not normally needed.
washPRO	Keep the door closed while spraying.

KEEP IT SAFE

05 MAINTENANCE SAFETY

BEFORE ANY CLEANING OR MAINTENANCE

Switch off, unplug or isolate and lock off the electrical supply, shut off and release the air, let the machine cool, and remove any DPF. Open filter housings and canisters only when the pump is off and the pressure has been released.

JOB	HOW OFTEN	WHO
Replace the filter bag (never clean and reuse it)	Every 30 cleans, sooner with any oil contaminated DPF	Operator
Clean the stainless filters (XL Multi and S, about 10 minutes)	Every 15 cleans	Operator
Clean out the tank water and ash	Every 60 cleans, sooner if oil contaminated	Operator
Test the emergency stop	Weekly	Operator
Check hoses, clamps, seals, cable and plug	Monthly, and before use if moved	Operator
Drain the tank if the machine will stand unused for more than a week	As needed	Operator
Electrical panel, VFD and PLC settings, heaters, canisters, total DPF counter	Only when needed	METclean engineer only

Use only genuine METclean filter bags, canisters, hoses and spare parts. The full steps are in the Filter and Water Change Guide.

WASTE

Dispose of wash water through a licensed waste fluid company, and of scraped soot, ash and used filter bags through a licensed waste carrier. Treat them like used coolant and engine oil. washPRO oil from the skimmer is waste oil.

CONNECTED MACHINES

06 SOFTWARE UPDATES

The XL Multi and S can be monitored and updated remotely by MET. Updates only install when the machine is idle, with the pump, heaters and air off. Do not switch off during an update. If the machine behaves differently after an update, stop using it and call MET. Only MET may change the machine software.

END OF LIFE

07 TRANSPORT, STORAGE AND DISPOSAL

- **Transport:** drain the tank and filters, disconnect the supply and air, and move the machine upright on a pallet. Secure it so it cannot slide or tip.
- **Storage:** drain completely, dry the tank, and store indoors above freezing.
- **Disposal:** drain all water and waste as in section 05. Recycle the stainless steel. Electrical and electronic parts must go to an approved WEEE recycler, never household waste.

YOUR MACHINE

08 WARRANTY AND RECORDS

METclean machines carry a 12 month warranty including an engineer to site where self help is not possible. Not following these instructions, unapproved parts or chemicals, or changes to the machine can end the warranty and may make the machine unsafe.

WRITE YOUR DETAILS HERE	
Model	
Serial number	
Date installed	
Installed and trained by	

NEED A HAND? TALK TO MET.

PHONE
01934 644427, 9am to 6pm weekdays

WHATSAPP
07376 075165, until 8pm weekdays, plus weekends

EMAIL
contact@mobileecotuning.com

GUIDES, VIDEOS AND DECLARATIONS
metcleanmachines.com/support

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