

MAC
INTERNATIONAL

THE MAC
ZERO EMISSION
HOT PRESSURE WASHER RANGE



THE
ZERO EMISSION
PRESSURE WASHER RANGE

THE UK'S PREMIER CLEANING EQUIPMENT SUPPLIER

WWW.MACZEROEMISSIONS.CO.UK

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AN INTRODUCTION TO MAC INTERNATIONAL

MAC International is the UK's largest manufacturer of Static Pressure Washers. With over 25 years manufacturing experience we offer a wide range of high-quality bespoke equipment.

Innovation is the key for our company and we are constantly striving to provide new and bespoke solutions for our customers. Over the last three years we have made a huge investment in our Zero Emission All Electric Pressure Washer range and aim to be the world leader in this technology.



THE MAC QUALITY ASSURANCE

As an experienced manufacturer MAC is renowned for high-quality equipment and adopting a high standard of quality control and safety procedures. All MAC products are CE certified for the UK and World markets and undergo strict testing. Without a doubt bringing modern and cutting edge technology to the pressure washer industry.



TECHNICAL SUPPORT & BESPOKE SOLUTIONS FROM A UK COMPANY

The company was built on a foundation of providing bespoke solutions for customers throughout the world. MAC have a wide range of optional accessories and can tailor-make your pressure washer to suit exact site requirements. The new MAC 21TECH control system also offers the ability to integrate an even wider range of control and safety systems. Bespoke PLC systems and programming are always available.

THE MAC UK DEALER WORLD

The business is centred around supporting a national network of distributors who are selling and promoting the MAC International brand throughout the UK. Our Technical Support Team are on hand to provide backup and assistance for any technical and spare part requests.

MANUFACTURED



IN GREAT BRITAIN

INTRODUCING THE MAC ZERO EMISSION ELECTRICALLY HEATED PRESSURE WASHER RANGE

WHY CHOOSE ELECTRIC? LOSE THE FUEL, ENJOY THE BENEFITS:



TOGETHER
FOR OUR
PLANET



Utilising the latest technology and MAC innovation, we have re-engineered the electrically heated pressure washer to provide an effective cleaning option, with no compromise on performance. This now offers the market a real viable alternative to diesel heated pressure washers.

PERMANENT HEAT WITH ZERO CO₂ EMISSIONS

MAC has created the Zero Emission range of machines to accommodate all 400v power supplies, ranging from 32amp to 80amp. Incorporating our 18/24 technology our equipment can deliver the full benefit of 24kW heating performance from a standard 32amp, 400v power supply. This is a real game changer!



ZERO EMISSION PRESSURE WASHER RANGE

OUR COMMITMENT TO REDUCING CO₂ EMISSIONS BY 2030

With the government's commitment to reducing the UK's carbon footprint to Net Zero by 2050 and a 50% reduction by 2030, everything points towards electricity as the power of the future for the pressure washer industry.

The UK government has set a clear path towards a carbon neutral future, with electricity to be generated by wind, solar and nuclear power. Electrically heated pressure washers are 100% efficient at the point of use and with electricity being generated by sustainable sources in the future it will become completely carbon neutral.



LOWER RUNNING COSTS

Save up to 50% (or more in some cases) in running costs, when compared to a conventional diesel heated pressure washer. Contact us for complimentary fuel saving analysis based on your usage.



NO CO₂ EMISSIONS

Reduce your carbon footprint with no compromise on performance by switching to the MAC Zero Emission range. No diesel fume extraction problems to consider and all the convenience of a cold-water machine with hot water performance.



NO DIESEL REQUIRED

Eliminate the inconvenience of having to purchase, store and secure diesel fuel. No risk of breakdowns attributed to contaminated or poor-quality diesel fuel, or failure of the diesel boiler components.



INSTANT HOT WATER, CONSTANT TEMPERATURES

Our all electric range provides instant, constant hot water when the trigger is pressed. Providing a more efficient heating system and reducing large fluctuations whilst trying to reach set temperatures.



HIGH PERFORMANCE

The MAC Zero Emission range provides world class electrically heated machines that deliver unrivalled temperatures, heat retention and performance. With maximum temperatures of 80°C, flow rates between 10lt - 18lt per minute and up to 200bar / 3000psi pressure.



GREEN AND CLEAN

Zero emissions produced. No fuel required. 100% green and clean hot washing. As the world takes note of climate change, now is the perfect time to consider reducing your fuel emissions through your pressure washer.



WHAT IS MAC 18/24 TECHNOLOGY?

"MAC 18/24 Technology has been specifically designed to utilise the maximum heating potential available from a 32amp, 400v industrial power supply.

This is an absolute gamechanger as for the first time we can provide powerful, genuine hot water washing on standard electrical supplies."

Simon Ruck - Managing Director

18/24
TECHNOLOGY

GO GREEN
CO₂ EMISSION FREE

AVAILABLE ON A STANDARD 32AMP,
400V POWER SUPPLY

INNOVATION IN TECHNOLOGY



INTRODUCING THE NEW MAC ELEKTRA RANGE

The Revolutionary Zero Emission Hot Mobile Pressure Washer from MAC International

- Unbeatable all electric performance
- Up to 80°C with market leading heat retention
- 120lt stainless-steel insulated water tank
- Featuring the new MAC On Demand Heating System with groundbreaking heat performance and capabilities



THE MAC ELEKTRA RANGE

ELECTRICALLY HEATED MOBILE PRESSURE WASHER

The MAC Elektra is the latest offering from MAC in zero emission hot mobile washing. Built with quality and performance in mind the new MAC Elektra range incorporates the new MAC On Demand Heating system for groundbreaking heat performance. The perfect alternative to diesel.



STANDARD FEATURES

- Option of heavy-duty steel or full stainless steel chassis
- Powder coated steel or stainless steel hinged cover
- Featuring the MAC On Demand Heating System
- 120lt stainless steel insulated water tank
- Timed total stop shutdown system
- High temperature pump
- Low revving 1450rpm motor
- Easy access for servicing
- Unrivalled heat performance
- Maximum temperature output of 80°C
- Highly accurate digital thermostat display
- Available with MAC 18/24 Technology for 32amp







FULL STAINLESS STEEL FOOD SAFE OPTION AVAILABLE

PERFECT FOR THE FOOD INDUSTRY





THE MAC 18/24 MACHINE DESIGNED TO RUN ON A STANDARD 32AMP POWER SUPPLY - INNOVATION IN TECHNOLOGY

	ELEKTRA EM1 / SSEM1 / PCEM1	ELEKTRA EM2 / SSEM2 / PCEM2	ELEKTRA EM3 / SSEM3 / PCEM3	ELEKTRA EM4 / SSEM4 / PCEM4	ELEKTRA EM4.1 / SSEM4.1 / PCEM4.1
Water Flow	10lt per minute	10lt per minute	13lt per minute	15lt per minute	15lt per minute
Pressure	150bar, 2175psi	150bar, 2175psi	150bar, 2175psi	200bar, 3000psi	200bar, 3000psi
Motor Specification	3kW, 4hp, 1450rpm	3kW, 4hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm
Heating Power	18-24kW	24kW	24kW	24kW	16-24kW
Heating Elements	2 x 12kW	2 x 12kW	2 x 12kW	2 x 12kW	2 x 12kW
Volts, Amps, Watts	400v/32A/24kW	400v/45A/24kW	400v/45A/30kW	400v/63A/42kW	400v/32A/42kW
Shutdown System	Timed Total Stop	Timed Total Stop	Timed Total Stop	Timed Total Stop	Timed Total Stop
Temperature	80°C Maximum	80°C Maximum	80°C Maximum	80°C Maximum	80°C Maximum
Chemical	Low Pressure	Low Pressure	Low Pressure	Low Pressure	Low Pressure
Water Tank Size	120lt	120lt	120lt	120lt	120lt
Weight	140kg	140kg	140kg	140kg	140kg
Dimensions (l x w x h)	130cm x 60cm x 90cm	130cm x 60cm x 90cm	130cm x 60cm x 90cm	130cm x 60cm x 90cm	130cm x 60cm x 90cm



PlantMaster
ELECTRIC

INTRODUCING THE
MAC PLANTMASTER ELECTRIC
PRESSURE WASHER RANGE



MAC
INTERNATIONAL

MAC PLANTMASTER ELECTRIC

ELECTRICALLY HEATED STATIC PRESSURE WASHER

The Plantmaster Electric is our flagship static machine in the Zero Emission range, with a choice of models available in full stainless steel or powder coated steel. A large 375lt water tank provides maximum hot water running time.



- 1 80°C WITH MARKET LEADING HEAT RETENTION
- 2 375 LTR STAINLESS STEEL DOUBLE INSULATED WATER TANK
- 3 HIGH QUALITY STEEL CABINET WITH ALL STANDARD PLANTMASTER CABINET FEATURES

STANDARD FEATURES

- Timed total stop shutdown system
- Low revving 1450rpm motor
- High temperature pump
- Unique stainless steel subframe construction
- Easy access for servicing
- Double insulated hot water tank
- Unrivalled heat performance
- Maximum temperature output 80°C
- Highly accurate digital thermostat display
- Simple 24v controls
- Available from 18kW to 48kW



USER FRIENDLY CONTROLS



18/24
TECHNOLOGY

THE MAC 18/24 MACHINE DESIGNED TO RUN ON A STANDARD 32AMP POWER SUPPLY - INNOVATION IN TECHNOLOGY

	PLANTMASTER E1 / SSE1	PLANTMASTER E2 / SSE2	PLANTMASTER E3 / SSE3	PLANTMASTER E4 / SSE4	PLANTMASTER E4.1 / SSE4.1	PLANTMASTER E5 / SSE5	PLANTMASTER E6 / SSE6	PLANTMASTER E7 / SSE7
Water Flow	10lt per minute	13lt per minute	13lt per minute	15lt per minute	15lt per minute	13lt per minute	15lt per minute	18lt per minute
Pressure	150bar	150bar	150bar	200bar	200bar	150bar	200bar	140bar
Motor Specification	3kW, 4hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm
Heating Power	18-24kW	24kW	36kW	36kW	16-24kW	48kW	48kW	48kW
Heating Elements	2 x 12kW	2 x 12kW	3 x 12kW	3 x 12kW	3 x 12kW	4 x 12kW	4 x 12kW	4 x 12kW
Volts Amps Watts	400v/32A/24kW	400v/45A/30kW	400v/63A/42kW	400v/63A/42kW	400v/32A/42kW	400v/80A/54kW	400v/80A/54kW	400v/80A/54kW
Shutdown System	Timed total stop	Timed total stop	Timed total stop	Timed total stop	Timed total stop	Timed total stop	Timed total stop	Timed total stop
Max. Temperature	80°C	80°C	80°C	80°C	80°C	80°C	80°C	80°C
Water Tank Size	375lt	375lt	375lt	375lt	375lt	375lt	375lt	375lt
Weight	250kg	250kg	260kg	260kg	260kg	265kg	265kg	265kg
Dimensions (h x w x d)	130 x 100 x 80cm	130 x 100 x 80cm	130 x 100 x 80cm	130 x 100 x 80cm	130 x 100 x 80cm	130 x 100 x 80cm	130 x 100 x 80cm	130 x 100 x 80cm

MAC PLANTMASTER ELECTRIC S.S.

ELECTRICALLY HEATED STATIC PRESSURE WASHER

THREE REASONS TO CHOOSE STAINLESS STEEL:

- 1 OUR 316L STAINLESS STEEL CABINETS ARE THE PINNACLE OF QUALITY AND DURABILITY
- 2 GUARANTEED RUST-PROOF TO SUIT ALL ENVIRONMENTS
- 3 FOOD SAFE



MAC BESPOKE SOLUTIONS

We are able to offer bespoke build and programming options on all our equipment offering our customers a bespoke cleaning solution.



EXAMPLES OF NEW PACKAGES AVAILABLE USING MAC 21TECH:

- FORECOURT WASHING OPTIONS
- IBC CLEANING SYSTEMS
- VARIO WASH SYSTEMS
- MULTI PUMP WASH SYSTEMS
- TIMEOUT SAFETY SYSTEMS
- PIPELINE SYSTEMS
- SPECIALISED FOOD INDUSTRY SYSTEMS

REVOLUTION ELECTRIC

INTRODUCING THE MAC REVOLUTION ELECTRIC PRESSURE WASHER RANGE THE COMPACT ALTERNATIVE



MAC REVOLUTION ELECTRIC

ELECTRICALLY HEATED STATIC PRESSURE WASHER

The MAC Revolution Electric range is the compact alternative and is designed to run on a standard 32amp, 400v power supply. It has a smaller 170lt water tank which allows for super-fast water reheating and high running temperatures. Perfect for shorter infrequent washing tasks.

BENEFITS OF THE MAC REVOLUTION ELECTRIC

- 1 SUPER-FAST WATER REHEATING
- 2 80° C WITH MARKET LEADING HEAT RETENTION
- 3 RANGE OF OPTIONAL ACCESSORIES AVAILABLE

STANDARD FEATURES

- Timed total stop shutdown system
- Low revving 1450rpm motor
- High temperature pump
- Double insulated stainless steel hot water tank
- Easy access for servicing
- Unrivalled heat performance
- Maximum temperature output 80° C
- Simple 24v controls
- Full stainless steel cabinet option available
- Available with MAC 18/24 Technology for 32amp, 400v power supplies



EASY TO USE CONTROL PANEL

18/24 TECHNOLOGY

THE MAC 18/24 MACHINE DESIGNED TO RUN ON A STANDARD 32AMP POWER SUPPLY - INNOVATION IN TECHNOLOGY

	REVOLUTION E1 / SSE1	REVOLUTION E2 / SSE2	REVOLUTION E3 / SSE3	REVOLUTION E4 / SSE4	REVOLUTION E4.1 / SSE4.1
Water Flow	10lt per minute	10lt per minute	13lt per minute	15lt per minute	15lt per minute
Pressure	150bar, 2175psi	150bar, 2175psi	150bar, 2175psi	200bar, 3000psi	200bar, 3000psi
Motor Specification	3kW, 4hp, 1450rpm	3kW, 4hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm	5.5kW, 7.5hp, 1450rpm
Heating Power	18-24kW	24kW	24kW	24kW	16-24kW
Heating Elements	2 x 12kW	2 x 12kW	2 x 12kW	2 x 12kW	2 x 12kW
Volts Amps Watts	400v/32A/24kW	400v/45A/27kW	400v/45A/30kW	400v/45A/30kW	400v/45A/30kW
Shutdown System	Timed	Timed	Timed	Timed Total Stop	Timed Total Stop
Max. Temperature	80° C Maximum	80° C Maximum	80° C Maximum	80° C Maximum	80° C Maximum
Water Tank Size	170lt	170lt	170lt	170lt	170lt
Weight	200kg	200kg	210kg	215kg	215kg
Dimensions (h x w x d)	130 x 90 x 70cm	130 x 90 x 70cm	130 x 90 x 70cm	130 x 90 x 70cm	130 x 90 x 70cm

MAC CAR PRO ELECTRIC

ELECTRICALLY HEATED HOT BUY-TIME STATIC CAR WASH

The MAC Car Pro Electric is the new all electric buy-time car wash. Using the Revolution Electric design it provides the perfect forecourt car wash with Zero Emissions and no diesel. This utilises MAC 18/24 Technology and is designed to run on a standard 32amp, 400v power supply.

STANDARD FEATURES

- Buy-time shutdown system
- Featuring the MAC On Demand Heating system
- Low revving 1450rpm motor
- High temperature pump
- Easy access for servicing
- Double insulated hot water tank
- Low thermal loss in standby
- Maximum temperature output 80°C
- Simple 24v controls
- Available with MAC 18/24 Technology for 32amp, 400v power supplies



MAC CASHLESS PAYMENT

Introducing the new MAC Cashless Payment System. Using card reader technology we are now able to provide a world class bespoke cashless payment system to be used in conjunction with the new MAC Car Pro buy-time car wash. Now making forecourt payments much simpler.

Accepting the following payment methods:

- Apple Pay
- Google Pay
- Visa
- Mastercard
- Samsung Pay
- American Express



18/24 TECHNOLOGY

	CARPRO/SSE1	CARPRO/SSE2
Water Flow	10lt per minute	13lt per minute
Pressure	150bar, 2175psi	150bar, 2175psi
Motor Specification	3kW, 4hp, 1450rpm	5.5kW, 7.5hp, 1450rpm
Heating Power	18-24kW	24kW
Heating Elements	2 x 12kW	2 x 12kW
Volts Amps Watts	400v/32A/24kW	400v/45A/30kW
Shutdown System	Buy-Time	Buy-Time
Max. Temperature	80°C Maximum	80°C Maximum
Water Tank Size	170lt	170lt



MAC HOSE PRO

SINGLE & TWIN HOSE REEL SYSTEM

The MAC Hose Pro system is a purpose-built Hose Reel System to be used in conjunction with the Plantmaster Electric range. It comes fully insulated and frost protected with options of single or twin hose reel systems and is the perfect hose storage solution for heavy-use sites.

- Single or twin hose reel options
- Fully frost protected and insulated cabinet
- Chemical storage available
- Additional bespoke options available upon request



OPTIONAL ACCESSORIES



MAC PLC DESIGN SERVICES

We offer a full range of PLC design services to provide any variety of wash programmes. Machines can be engineered to fit most site systems.



KEY FOB CONTROL

A contactless key fob reader aimed at providing ultimate security for your machine, limiting user access to key fob holders only. Perfect for sites with multi-users and an extremely popular system. Additional features are also available such as a data logger for full visibility of operators and usage time.



HOSE REELS

A wide range of hose reels are available, from internal 20mt retractable reels to external 20mt or 40mt stainless steel manual reels. Our internal 20mt retractable hose reel is our best seller with door rollers and fitting to your machine included as standard.



STAINLESS STEEL LANCE HOLDER

A high-quality stainless steel lance holder designed to fit your wash lance and trigger. This can be fitted to all of our equipment either externally or mounted on your machine.



MAC PRO FILTER

The MAC Pro Filter is designed especially for MAC International to protect the heating elements from hard or soft water by leaving a polyphosphate film on all steel surfaces.



MAC TAC FILTER

The MAC TAC Filter uses Template Assisted Crystallization technology, creating nanosized crystals within the water flow. This prevents scale build-up and is a long-term solution designed to flood a larger water area.

A WIDE RANGE OF BESPOKE OPTIONAL ACCESSORIES ARE AVAILABLE

ZERO  **EMISSION**
PRESSURE WASHER RANGE

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MANUFACTURED



IN GREAT BRITAIN