



Operating Manual

Single-Phase Bi-Directional Boot Wash

CAT 74-306B



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1. Safety Precautions

- Always inspect the power cord before use. Do not operate the equipment if the cable is damaged.
- Ensure the machine is properly grounded (earthed) to prevent electrical hazards.
- Walk carefully when using the machine. Do not run or jump, as this may cause slips or falls.
- Disconnect the power supply before performing any maintenance or cleaning.

2. Installation & Operating Environment

- Do not install or operate the equipment in flammable or explosive environments.
- Maximum operating altitude: 2000 m
- Ambient temperature range: -5°C to +40°C

3. Electrical Requirements

- Use the correct power source as specified on the equipment nameplate.
- Ensure the voltage matches the rating on the machine.
- The power supply must be properly connected to a ground wire.
- Power specification: 230V AC 50Hz, Single Phase (L + N + PE)

4. Water Connection Requirements

- Water inlet pressure: 300–400 kPa (3–4 bar)
- Water outlet: 50 mm (connect to sewer pipeline)
- Water inlet connection size: 1/2 inch
- Maximum inlet water temperature: 40°C

5. Chemical & Disinfectant Use

- The use of sodium hypochlorite is strictly prohibited.
- Avoid chlorine-based cleaning agents, as they can corrode the equipment.
- Suitable cleaning liquids include:
 - Soap solution
 - Hand sanitizer
 - Mild cleaning agents
- Do not use corrosive disinfectants.

6. Operational Restrictions

- Appropriate footwear must be worn when using machine.

7. Set up Instructions

7.1 Connect Water Supply

- Ensure water pressure is within the recommended range (3–4 bar).
- Connect the outlet pipe to a drainage or sewer system.



7.2 Connect Power Supply

- Use AC 230V, 50Hz, single-phase power.

7.3 Add Soap Solution

- Fill the container with up to 10 litres of approved cleaning solution.
- The machine will automatically draw in the liquid during operation via a peristaltic pump.
- Do not use corrosive or chlorine-based products.



8. Machine Components & Maintenance

8.1 Motor

The motor is sealed and does not require lubrication or routine maintenance.

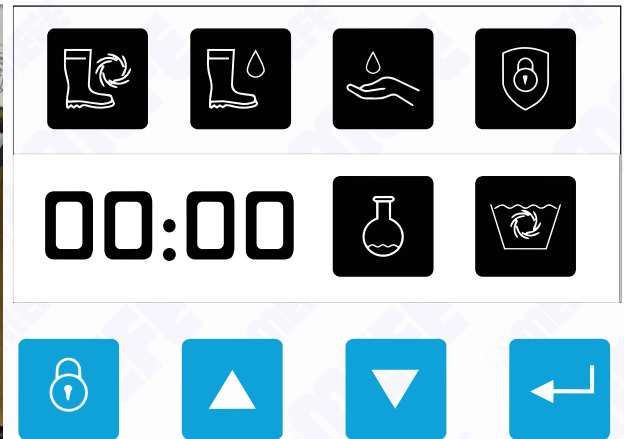
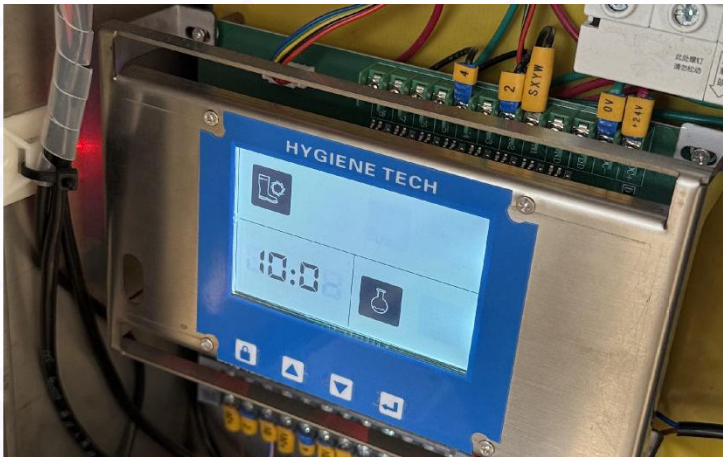
8.2 Peristaltic Pump











A peristaltic pump is used to transfer the soap solution. Under average usage, the pump tubing may require replacement approximately every 2 to 3 years. For spare parts, contact MEFE.



9. Operating Settings and Control Panel

PLC adjustable running time with factory recommended settings. Cycle length factory set at 8 seconds (wash) and 4 seconds (soap application).



Symbol	Description	Recommend Time (Seconds)	Symbol	Description
	Shoe Cleaning	~8 – 10		Low Liquid
	Liquid Soap (Shoe)	~4 – 6		Low Soap
	Liquid Soap (Hands) <i>N/A Model</i>			Unlock
	Turnstile <i>N/A Model</i>			Up Arrow
				Down Arrow
				Enter Button

9.1 Sensors

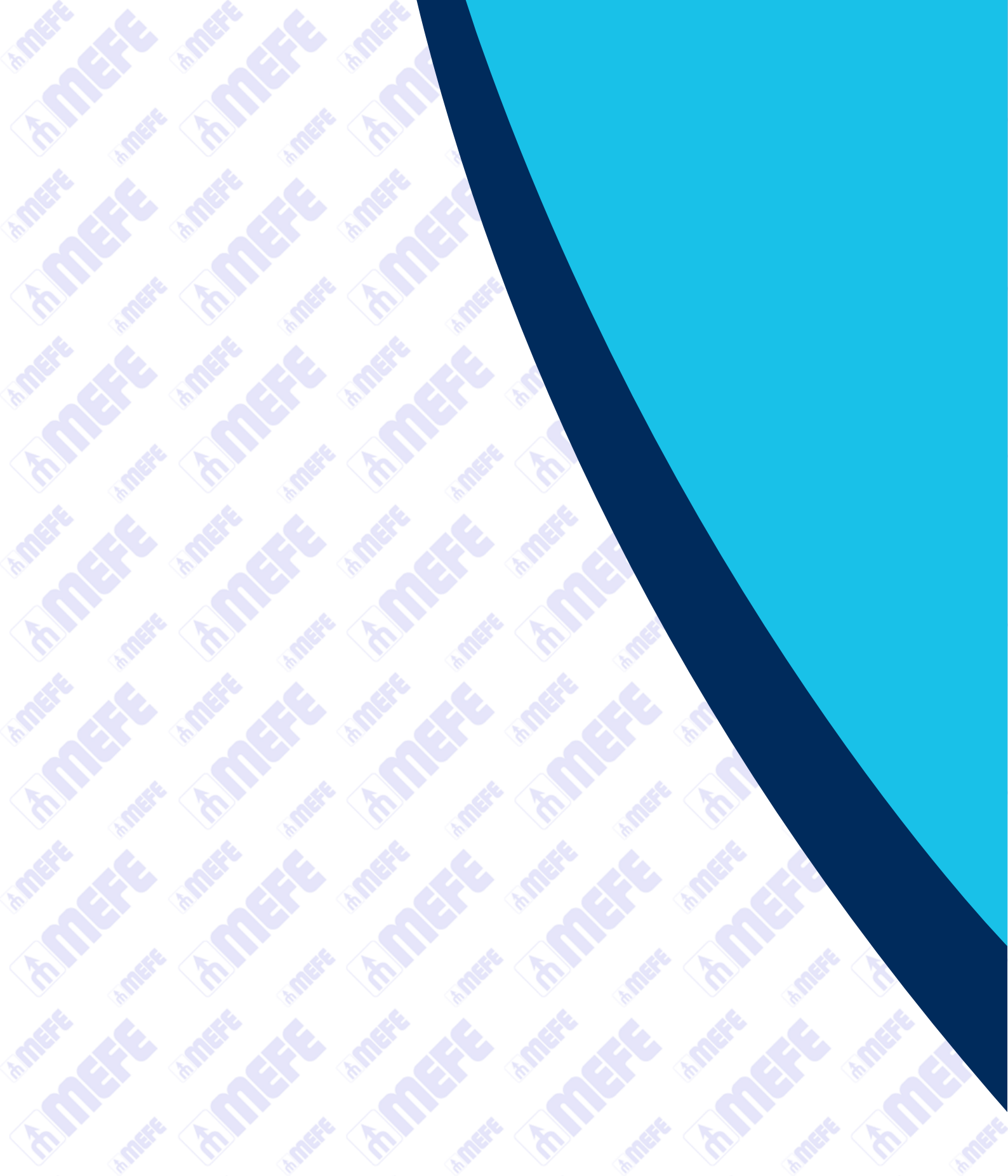
- Keep sensor surfaces clean.
- Wipe regularly with a dry or damp cloth.
- Do not rinse sensors with water.

9.2 Brushes

- Rinse regularly with water.
- A low-concentration disinfectant may be used.

9.3 Equipment Body

- Clean exterior surfaces regularly.
- Low-pressure water can be used for cleaning.
- Do not spray water onto electrical components.



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