

Operation & Maintenance
User Manual for
PORTA-FLEX
200 & 400 (Twin Motor)

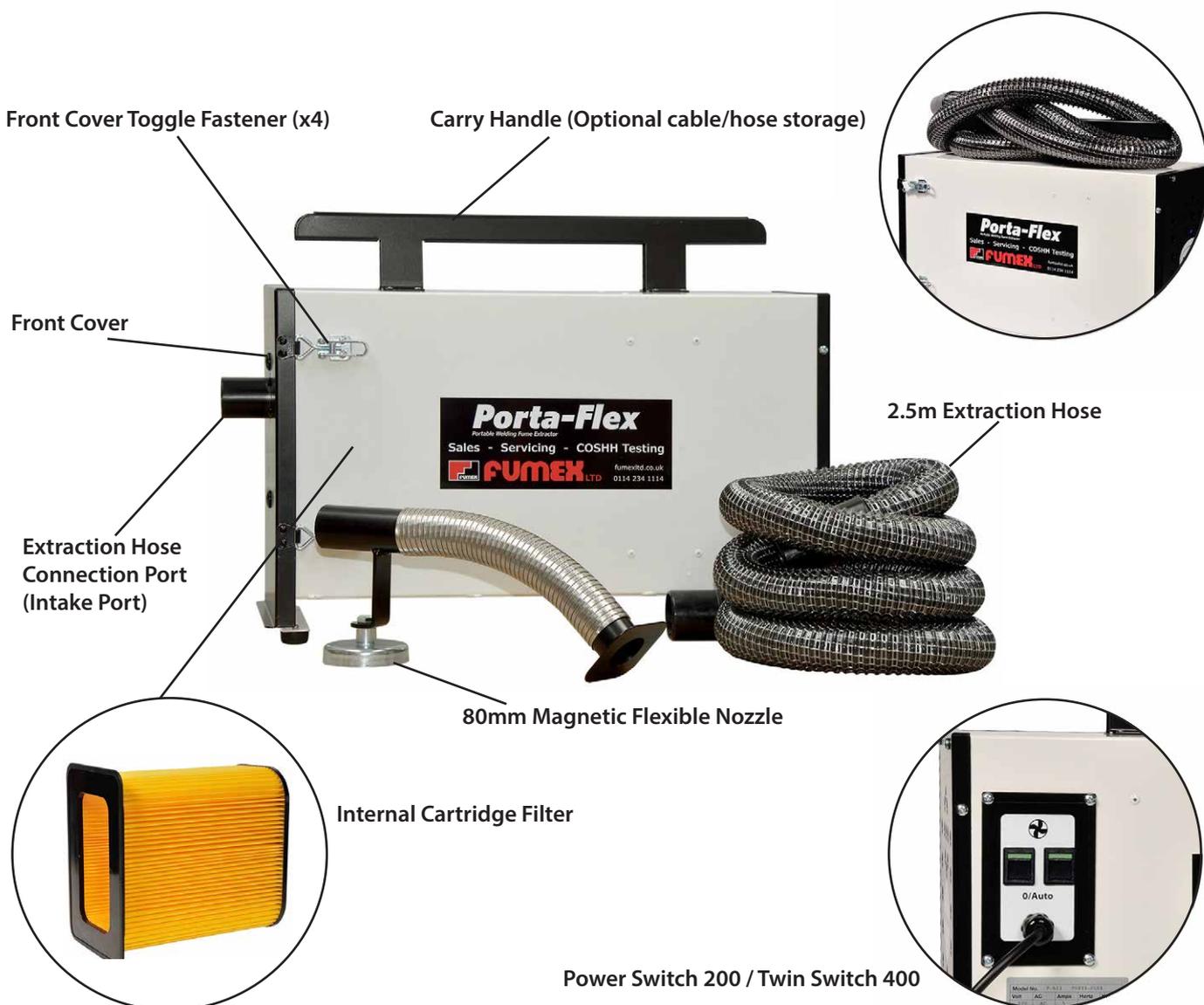


Contents

Contents & Overview	Page 2
Quick Start Guide	Page 3
Safe Operation & Routine Maintenance	Page 4
Routine Maintenance cont.	Page 5
Troubleshooting, Spare Parts & Technical Data	Page 6

Overview

Thank you for purchasing the Fumex Porta-Flex 200/400 welding fume extractor. Our Porta-Flex 200 & 400 are user-friendly, portable units, designed to capture harmful welding gases at source. Ideal for use in confined spaces or difficult to reach locations, making them ideal for general service and repair work.



Quick Start Guide

BEFORE USE

1. Check the power supply cable for damage, if any damage is visible, it must only be replaced by the manufacturer or qualified electrician to avoid a hazard.
2. Check that the extraction hose is not split or damaged, as this will reduce the efficiency of the unit.
3. To protect against electrical shock, do not immerse the power supply cable, plug or extractor in water or other liquid.
4. Our fume extractors are designed for interior use only and should not be used outside in wet conditions.



Place the Porta-Flex on a sturdy, level surface and connect the 2.5m extraction hose to the intake port. This is located on the front of the unit.



Connect the other end of the 2.5m extraction hose to the magnetic flexible nozzle.



Plug power supply cable into electrical socket and turn on power switch (200) or both switches (400 Twin motor) located on side of unit.



Position magnetic nozzle so that fumes/gases are drawn AWAY from the operator. Ensure that hose is not kinked or trapped. Please refer to certification for capture distance.



On completion of welding, turn off the Porta-Flex and disconnect the power supply cable from the socket.



Disconnect extraction hose from both the nozzle and unit. The power supply cable and extraction hose can be wound around the carry handle for storage.

Safe Operation

The Porta-Flex 200/400 are welding fume extraction units. Designed to capture dangerous fumes/gases and particles produced by the welding process, at source. These by-products are captured via the magnetic nozzle and removed by the internal cartridge filter. Our Porta-Flex models are for light welding use only.

BEFORE USE

1. Check the power supply cable for damage, if any damage is visible, it must only be replaced by the manufacturer or qualified electrician to avoid a hazard.
2. Check that the extraction hose is not split or damaged, as this will reduce the efficiency of the unit.
3. To protect against electrical shock, do not immerse the power supply cable, plug or extractor in water or other liquid.
4. Our fume extractors are designed for interior use only and should not be used outside in wet conditions.

OPERATION

1. Place the Porta-Flex on a sturdy, level surface and connect the 2.5m extraction hose to the intake port on the front cover.
2. Connect the other end of the 2.5m extraction hose to the magnetic flexible nozzle.
3. Plug power supply cable into a suitable electrical socket and turn on power switch (200), or both switches (400), located on side of unit. Please ensure that the power cable is not a trip hazard to anyone.
4. Position the magnetic flexible nozzle to draw welding fumes AWAY from the operator (see section 4 - Quick Start Guide). For exact capture distance, please refer to certification. Make sure the extraction hose is not kinked or trapped, as this will reduce extraction efficiency.
5. On completion of welding, turn off the Porta-Flex and disconnect the power supply plug from the socket.
6. Disconnect the extraction hose from both the magnetic nozzle and the unit. Both the power supply cable and the extraction hose can be wound around the carry handle for storage (see section 6 - Quick Start Guide).

Routine Maintenance



ALWAYS wear the correct RPE when replacing the cartridge filter or cleaning the spark trap. Due to the carcinogenic nature of the waste material, RPE must include a fully fitted mask (with correct filters), disposable overalls and gloves. Replacing the cartridge filter must be carried out OUTDOORS to minimise the risk of inhalation of any dust etc. The Porta-Flex must be disconnected from the power supply BEFORE undertaking any maintenance.

All Porta-Flex 200 or 400 units should be COSHH tested at least every 14 months, to ensure compliance to HSE 258. Fumex Ltd have a team of dedicated COSHH engineers who operate all over the UK, please call us for details.

CLEANING THE SPARK TRAP

The spark trap is located behind the inlet port on the front cover. It should be regularly checked and cleaned as necessary.



To access the spark trap, release the four toggle fasteners and unhook the front cover.



Carefully remove the front cover and combined spark trap (arrowed). To check the spark trap, remove the two wing nuts and clean if required.

Routine Maintenance cont.

REPLACING THE CARTRIDGE FILTER

The cartridge filter is located behind the front cover. It should be replaced when the extraction efficiency decreases (this is dependent on usage).



1 To access the cartridge filter, release the four toggle fasteners and unhook the front cover.



2 Carefully remove the front cover and combined spark trap. Check the spark trap, by removing the two wing nuts and clean if required.



3 Slowly withdraw the old filter horizontally and place in a plastic bag and then seal the bag with tape. **NB. Old filters must be disposed in accordance with Local Authority Guidelines.**



4 Install a new Fumex cartridge filter into the extractor. Using non-genuine filters will void the Porta-Flex warranty and may have a detrimental effect on efficiency.



5 Ensure the rubber seal (on filter) is flush up to the cabinet.



6 Refit the front cover and then reattach the four toggle fasteners to secure it in place. The extractor is now ready for use.

CLEANING THE EXTRACTOR



Before any cleaning is undertaken, please ensure the extractor is turned off and disconnected from the power supply. The extractor, hose and magnetic nozzle may be wiped with a damp cloth and mild detergent. DO NOT use abrasive cleaners or solvents as this could damage the extraction hose.

TROUBLESHOOTING

FAULT	SOLUTION
Excessive fan noise or vibration	Turn off unit immediately & contact Fumex Ltd for advice
Damage to hose or nozzle	Contact Fumex Ltd for replacement spare parts
Insufficient extraction at nozzle	Make sure that hose is not kinked, trapped or split Ensure nozzle/hose is not blocked by foreign object Contaminated cartridge filter - replace with new Fumex filter On 400 model ensure both power switches are on Check spark trap is not blocked

REPLACEMENT SPARE PARTS	
Cartridge Filter	Part No: PRT619
HEPA Cartridge Filter	Part No: HEP620
2.5m Extraction Hose	Part No: PRTHSE
Magnetic Flexible Nozzle	Part No: NOZ618

TECHNICAL DATA	
Porta-Flex 200	1kW - 220V - 50~60Hz - Air flow: 160m ³ /h 1kW - 110V - 50~60Hz - Air flow: 160m ³ /h
Porta-Flex 400	1+1kW - 220V - 50~60Hz - Air flow: 230m ³ /h 1+1kW - 110V - 50~60Hz - Air flow: 230m ³ /h
DIM. 200/400	650mm(W)x250mm(D)x450mm(H)
Weight	15Kg (Unit only)

