

User Manual

Porta-Flex 200/200Auto/400.



Capture directly on Welding Torch or with Magnet Nozzle.

The Porta-Flex is a user friendly, portable welding fume extractor with built in HEPA H13/W3 filter. It has 2.5m flexible hose for connection to welding torch or magnet nozzle. Suitable for welding in confined spaces or difficult to reach locations. Perfect for service and repair work.

Efficient filtration

The filter cartridge has long life and efficient filtration(HEPA H13/W3). It is easy to change when it is full.

Uniquely easy to bring with You

Porta-Flex has a weight of just 15kg. It is extremely easy to carry with you as you roll the hose around the handle and fix the magnet nozzle to the outside of the filter box. No “Anaconda” hose which tries to strangle you when you carry the Porta-Flex. The Porta-Flex will be used!

Three Versions

Porta-Flex 200 (1kW) 160m³/h. Porta-Flex 200Auto (1kW) 160m³/h and automatic start/stop.

Porta-Flex 400 (1+1kW) 230m³/h.

Hose 2.5m and filter cartridge is included. Nozzle has to be ordered separately.

	Art. No.
Porta-Flex 200 1-phase/1kW/220V/50-60Hz. 650(W)x250(D)x450mm(H)	P-609
Porta-Flex 400 2 motors 1-phase/1+1kW/220V/50-60Hz. 650(W)x250(D)x450mm(H)	P-611
Porta-Flex 200 Auto 1-phase/1kW/220V/50-60Hz. With automatic start/stop	P-613
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Replacement HEPA H13/W3 Filter 12m² for Porta-Flex 200/400/200 Auto	
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1. Safety.

The product is designed to meet the requirements of the relevant EC directives. To maintain this status all repair and maintenance work must be carried out by qualified personnel using only original spare parts. Contact your nearest authorised dealer for advise

WARNING! Ignition Risk for some Dust.

Check that no Objects which can cause fire are sucked into the Porta-Flex Extractor Filter.

2. User Instruction.

The Porta-Flex Extractor Filters are designed for capturing dust and fumes. The hose can be connected to a welding torch or different types of magnet hoods.

For the best capturing efficiency, the hood should be positioned as near the fume or dust generating process as possible but without sucking in sparks.

Porta-Flex is as standard equipped with a 12m² HEPA H13/W3 Filter Cartridge with more than 99.99% efficiency. It makes it possible to be used for Stainless Steel welding.

3. Installation Instruction.

Technical data Porta-Flex 200

Current: 200-240 V, 50-60 Hz
Max. Vacuum: 2100 mm/Vp
Airflow: 150 m³/h

Technical data Porta-Flex 200 Auto

Current: 200-240 V, 50-60 Hz
Max. Vacuum: 2100mm/Vp
Airflow: 150m³/h
Automatic start when welding starts.
Automatic stop when welding stops

Technical data Porta-Flex 400 Current:

200-240 V, 50-60 Hz
Max. Vacuum: 2100mm/Vp
Airflow: 300m³/h

Handling:

Attach one end of the hose to the inlet pipe of the Porta-Flex and the other end to an Extraction Nozzle on the welding torch or to a Magnet Nozzle.

The best fume catching with a nozzle on the welding torch is achieved with the torch vertical or not in more than 45 degrees angle. With magnet nozzles it is important to have the nozzle close to the welding spot but without extracting sparks.

Porta-Flex is suitable for not permanent welding situations and is easy to bring with you in a car. Wind up the hose around the handle and put the magnet nozzle on the side of the porta-flex to make it easy to bring with you.

Maintenance:

The Porta-Flex has a spark trap in the filter gable, behind the inlet pipe. This trap is easily accessible by releasing the toggle fasteners and unhooking the gable. The spark trap must be checked and cleaned regularly.

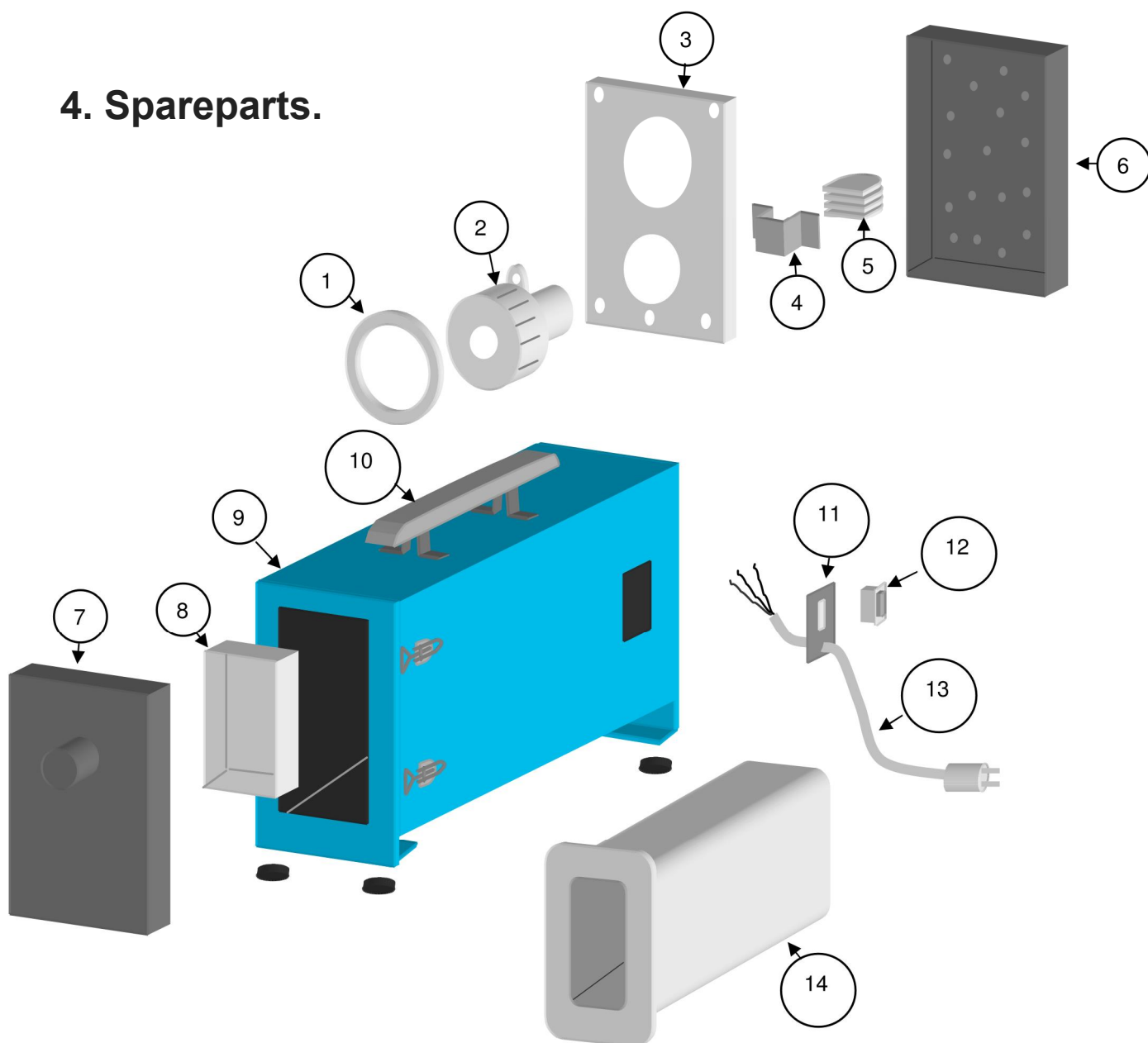
Changing the filter:

The filter cartridge shall be changed when the extraction power is not sufficient any longer.

Service:

After 1000-1200 working hours, the engine carbon-Brushes must be changed. Has to be done by an certified electrician.

4. Spareparts.



- | | |
|-----------------------|---------------------|
| 1 Seal | 8 spark trap |
| 2 motor housing | 9 housing |
| 3 motor support plate | 10 carrying handle |
| 4 contactor holder | 11 cable gland |
| 5 contactor | 12 switch |
| 6 cover-rear | 13 cable with plug |
| 7 front housing cover | 14 filter cartridge |

5. Maintenance

We recommend regular controls on the following points:

Control that the electric cable is not damaged.

Control the hose, no damages etc.

Empty and clean the spark trap.

Change filter cartridge when suction becomes too low.

Change the Carbon Brushes after ca. 1000 hours.

(Has to be done by a qualified electrician).

6. Declaration of Conformity



Declaration of conformity

We, J. Plymoth AB, declare under our sole responsibility that the product line **Porta-Flex** to which this declaration relates is in conformity with Directives 2006/42/EC, 2014/30/EU, 2011/65/EU and Standards EN 60204-1:2006, EN ISO 12100:2010, EN ISO 15012-1:2013, EN 61000-6-2005, EN 61000-6-3:2007, EN ISO 20607:2019.

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