Manual

SF 150S

Commissioning

1. Attach one end of the hose to the inlet pipe of the filter unit.
2. Attach the other end of the hose to any separately purchased nozzle.
3. Connect the mains plug to the mains supply.

Your SF 150S is now ready for use.

Operation

Start and stop the filter unit with the power switch (6, see **Exploded view**).

SF 150S is intended for light welding/soldering.

When the filter is saturated or clogged, the filter unit switches off the motor. Change the filter, see **Changing the filter**.

Troubleshooting

A motor that switches off during operation may in rare cases mean that the carbon brushes in the motor (11) are worn out and need to be replaced.

To determine which symptom applies (see **TROUBLESHOOTING GUIDE**), turn off the power switch (6) and wait 5 minutes. Then restart the filter unit.

TROUBLESHOOTING GUIDE		
Symptom	**Possible cause**	**Action**
The motor switches off during operation and restarts after 5 minutes of rest.	The filter (20) is saturated or clogged.	Change the filter (see **Changing the filter**).
The motor switches off during operation and does not restart after 5 minutes of rest.	The carbon brushes are worn out.	Service required. Contact your retailer.
Dirt at the air outlet (3) or on the seal (9) against the filter (20).	The filter (20) is incorrectly fitted or damaged.	Change the filter (see **Changing the filter**).
	The seal (9) is incorrectly fitted or damaged.	Contact your retailer.

Maintenance

Switch off the filter unit and pull out the mains plug before maintenance. Wait approx. 1 minute so that contaminants can settle.

Maintenance intervals

Filter change: When the filter unit switches off the motor.
Service: After 1000–1200 hours of operation.

Changing the filter

Always replace a saturated filter. Do not clean the filter – it damages the filter and causes motor failure.

1. RRelease the clamp ring (23) and lift off the upper part by the handle (1).
2. Unscrew the nut (22) and the washer (21) and pull out the saturated filter (20).
3. **Leakage check**: Release the toggle latches (5) and lift off the cover (2). Look for dirt at the air outlet (3) and on the seal (9). Dirt here indicates a leak. If there is dirt, check that:
   - the seal is correctly fitted and intact. Contact your retailer if there is damage.
   - the filter (20) is not damaged.
4. Clean the spark trap (25) and the inside of the filter housing (7, 26) with a damp disposable cloth and mild detergent.
5. Dispose of the saturated filter and the disposable cloth in accordance with applicable laws and regulations.
6. Insert a new filter and fit the washer (21) and the nut (22). Check that the filter makes tight contact with the seal.
7. Fit the cover (2) and close the toggle latches (5).
8. Place the upper part back on and fit the clamp ring (23).

Service (by retailer)

Replace the carbon brushes in the motors (11) after 1000–1200 hours of operation. Contact your retailer.

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Decommissioning

Handling and correct disposal of the various materials must comply with applicable statutory requirements. If you have questions about a specific type of waste, contact FUMEX.

Technical information

Technical data

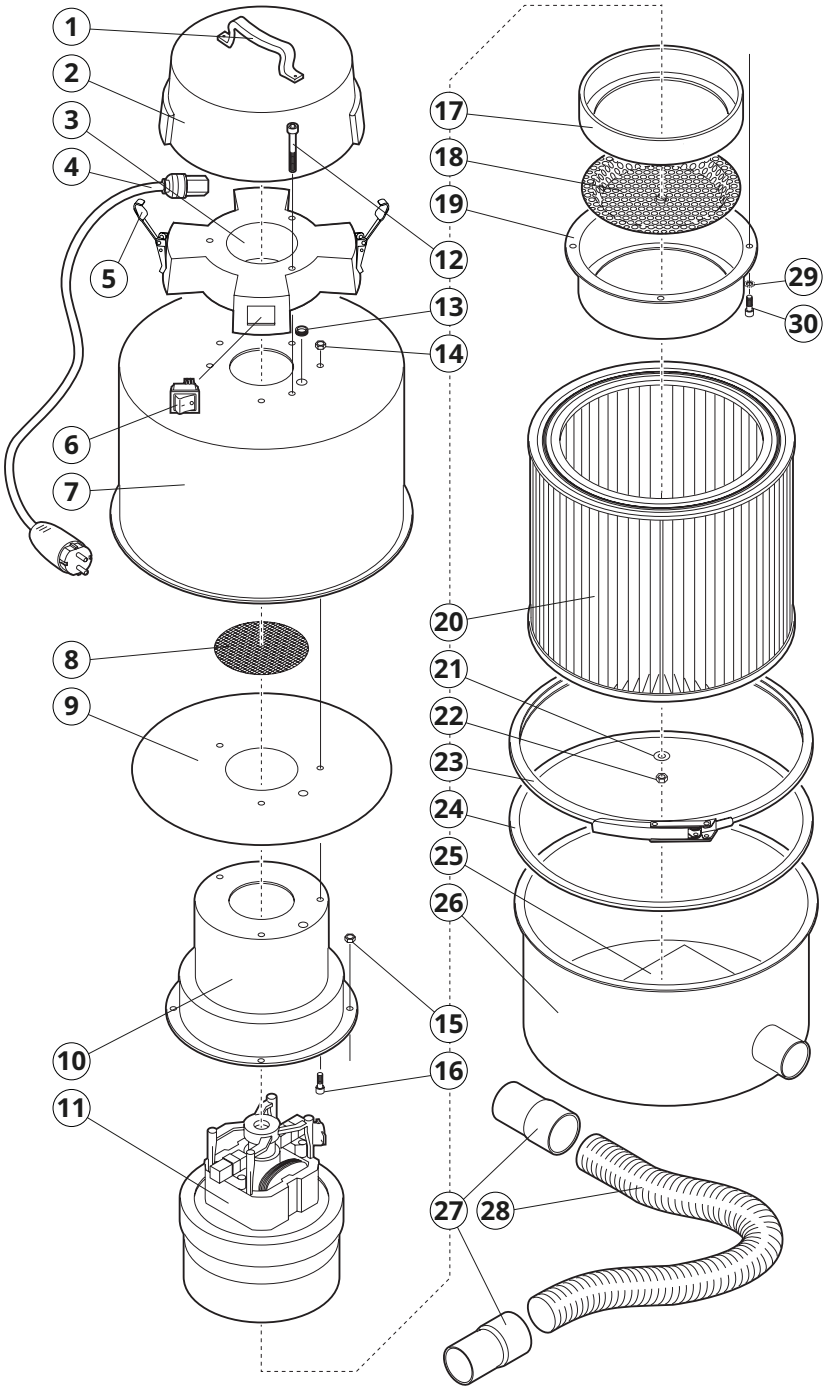
Voltage: .....115 VAC / 230 V 1N~
Frequency:.....50/60 Hz
Motor power:..1.0 kW
Rated current:.4.3 A
Max vacuum:...21 kPa
Air flow: .....150 m³/h
Filter: .....2-layer filter (fine and micro), separation efficiency 99.95 % for particles >0.0003 mm.

Item numbers

(selection from exploded view)

- **1** Handle
- **2** Cover
- **3** Air outlet
- **5** Toggle latch
- **6** Power switch
- **7** Filter housing, upper part
- **9** Seal
- **11** Motor
- **20** Filter
- **21** Washer
- **22** Nut
- **23** Clamp ring
- **25** Spark trap
- **26** Filter housing, lower part

Exploded view



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