

Fume Extraction



Made in Britain

Inspection

Remove the Fume Extractor from the shipping carton and inspect for damage.

Items included with model **35440**:

- 1 – MENDA Solo Extractor with one inlet
- 1 – **35456** 30" ESD Stay Put Extraction Arm with Nozzle
- 1 – **35457** 5' 50mm Flex Hose
- 1 – **35454** Flip Top Flush Seal Mounting Plate
- 1 – **35453** Table Bracket Installation Kit
- 2 – **35458** Jubilee Clips
- 1 – Sleeve
- 1 – 6' Power Cord
- 1 – **35451** Combined Filter (HEPA)
- 1 – **35450** Pre-Filter

Items included with model **35445**:

- 1 – MENDA Duo Extractor with two inlets
- 2 – **35456** 30" ESD Stay Put Extraction Arms with Nozzle
- 2 – **35457** 5' 50mm Flex Hoses
- 2 – **35454** Flip Top Flush Seal Mounting Plate
- 2 – **35453** Table Bracket Installation Kits
- 4 – **35458** Jubilee Clips
- 2 – Sleeves
- 1 – Black Inlet Cover
- 1 – 6' Power Cord
- 1 – **35451** Combined Filter (HEPA)
- 1 – **35450** Pre-Filter

Items included with model **35460**:

- 1 - MENDA Quad Extractor with two inlets
- All accessories are sold separately.
- 2 - Item **35459** (75mm Funnel Arm) are recommended.



35440



35445



35460



35456 - 2' Extraction Arm with Nozzle



35457 - 5' Flex Hose



Sleeve



35459 - 40" 75mm Mounted Arm Funnel



35458 - Jubilee Clips



35454 - Flip Top



35453 - Table Bracket Installation Kit



Power Cord

3651 Walnut Avenue, Chino, CA 91710
Phone: (909) 627-2453 • Fax (951) 755-8848 • Web Site: MendaTools.com

Installation

Extractor Installation Procedure

Move the unit to the location where it is going to be installed and remove the unit from its packaging.

Caution

- The unit should be installed in a well ventilated room.
- Ensure that a 18" space is available around any louvered areas of the unit to ensure adequate air flow.
- Do not block or cover any louvers or cooling holes on the unit as this severely restricts air flow and may cause damage to the unit.
- The filtered air exhaust is at the base of the 35440, 35445 and 35460 units.
- Under no circumstances should the exhaust outlet(s) be covered as this will restrict the airflow and cause overheating.
- Check filters are located in their correct position and carefully replace lid.

Connect the extraction ducting between the extractor inlet(s) and the extraction arms using hose adaptors and jubilee clips as required. Ducting runs should be kept as short as possible.

The 35440 and 35445 are supplied with an installation kit. This kit gives the option of fixing the extraction arms through the workbench using the flip top flush sealing mounting plates (Figure 1) or the clamp on bench mount brackets as preferred (Figure 2). The top of the work bench must be suitably drilled using a 2.5" hole cutter if the flip top flush sealing mounting plates are used.

For the 35460 the required installation fittings would have been selected at the time of ordering.

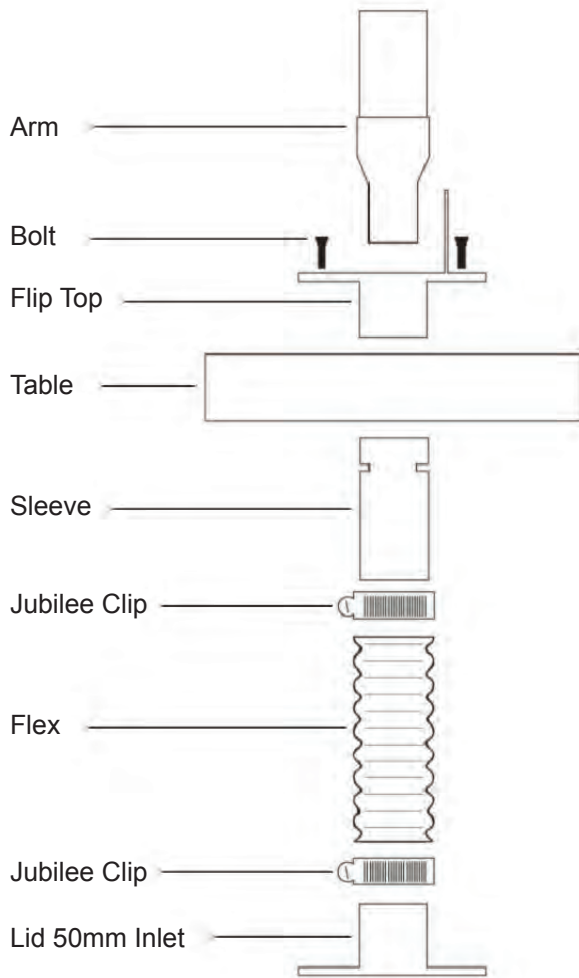


Figure 1

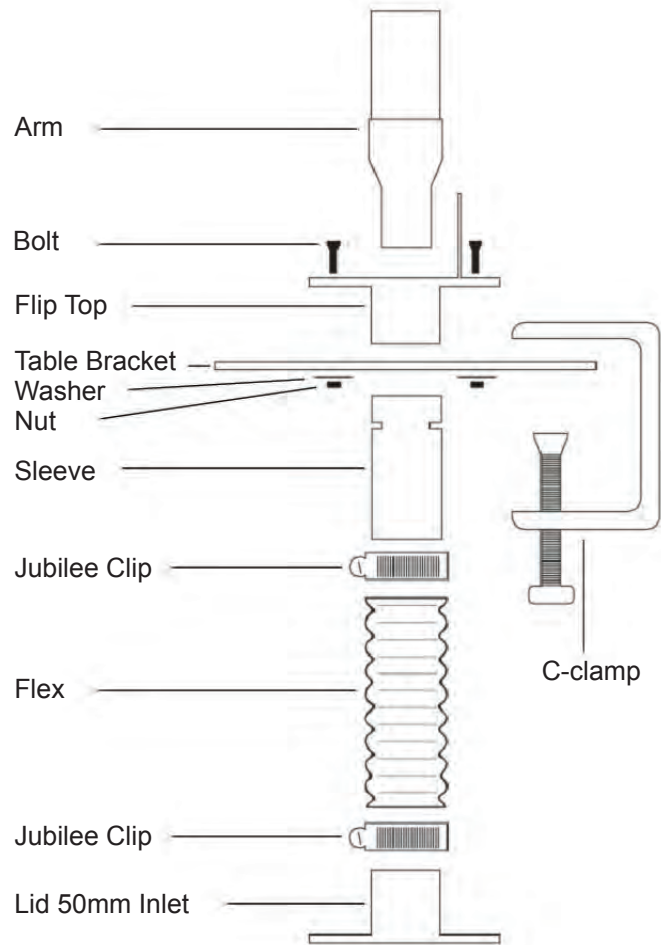


Figure 2

Operation

On/Off switch

These extractor units are turned on and off by using the switch on the front or rear of the unit. See the note below for units supplied with a remote flow control box.

Single LED Filter condition indication

On 35440 and 35445 units only, an LED on the front panel of the machine will illuminate when the filters need attention.

See the Maintenance section for information on changing filters.



Maintenance

General

User maintenance is limited to cleaning the unit and replacing the filters with new. Only MENDA is authorized to carry out component testing and replacement. Unauthorized work or the use of unauthorized replacement filters may result in a potentially dangerous situation and/or damage to the extractor unit, and will invalidate the manufacturer's warranty.

Cleaning Unit

The powder coated finish can be cleaned with a damp cloth and non aggressive detergent. Do not use an abrasive cleaning product as this will damage the finish.

The cooling inlets and outlets should be cleaned once a year to prevent build up of dust and overheating of unit

Replacing Filters

The filter package needs attention when the filter change signal is alarmed and red LED's on the unit are illuminated.

A log of filter changes should be maintained by the user.

All filters are tested to BS3928. A certificate on conformity for each filter is available on request.

It is recommended that a spare set of filters are kept on site to avoid prolonged unit unavailability. Refer to the consumable spares table.

Caution

To prevent overheating, units should not be run with a blocked filter condition, or with dust obstruction of inlets or outlets.

Filter replacement indication

The first few filter changes should only apply to the pre-filter. The indication that the Combined or Gas / HEPA filter needs replacing is when the filter alarm signal and LED's (if fitted) do not go off after the pre filter has been changed.

Please note that the carbon media within the combined filter or Gas filter is hygroscopic and will absorb moisture from the atmosphere. This is why these filters should be changed every twelve months regardless.

The filter change procedure depends on the specific model of extractor. (See layout diagrams below)

Filter replacement 35440, 35445, 35460

Isolate the electrical supply to the extractor.

Undo the protex clips on either side of the unit and lift the lid or motor section clear of the filter package and place on a safe surface.

Remove the filter package from the base of the unit.

Vacuum out any dust in the base. (We recommend using a Menda Omega Field or Service Vac).

Remove the pre-filter, which may be recessed into the combined filter. (See Figure 3)

Replace the exhausted pre filter, or combined filter, or Foam filter as necessary.

Place the filter package back into position. Replace the motor section, fasten the protex clips and start up the unit.

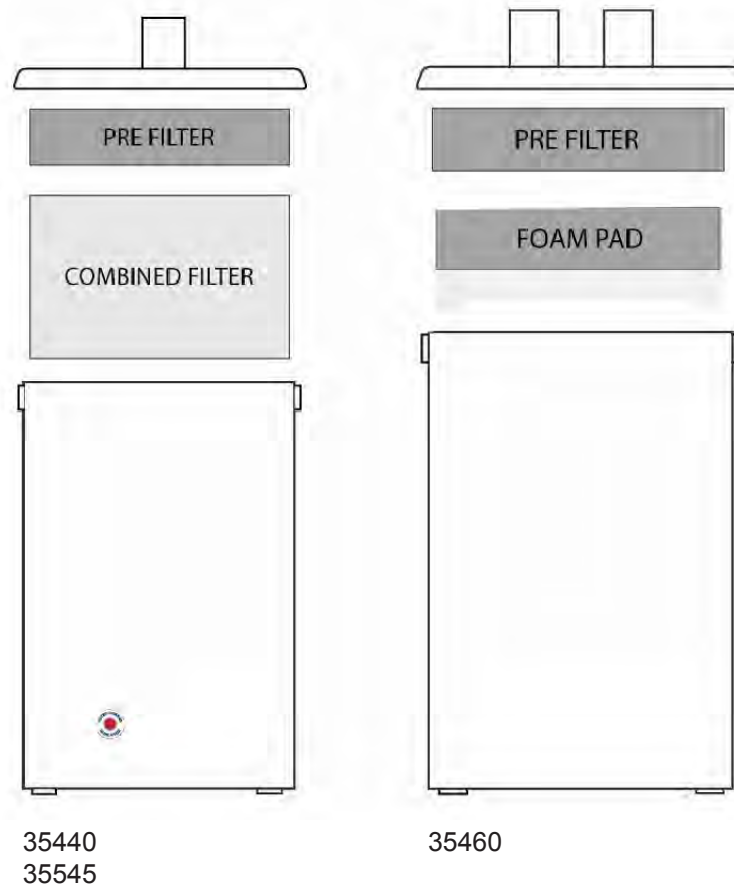


Figure 3

35440 System Specifications

Capacity:	53 CFM		
Size:	height 15" x depth 10" x width 10"		
Weight:	15 lbs.		
Exhauster:	Centrifugal fan		
Rated Output:	60w (65w)		
Electrical supply:	230V 1ph 50Hz (110V 1ph 60Hz)		
Full Load Current:	0.3A (0.65A)		
Noise level:	54dB (A)		
Filters:	Pre filter	Surface area	0.06 m ²
		Efficiency F7	85% @ 0.8μ
	Combined filter	Surface area	2.0 m ²
		Efficiency H13	99.997% @ 0.3μ
		Impregnated Carbon	
Duct Size:	50mm		
Duct Run:	9.5 feet		

35445 System Specifications

Capacity:	125 CFM		
Size:	height 15" x depth 10" x width 10"		
Weight:	22 lbs.		
Exhauster:	Centrifugal fan		
Rated Output:	140w (95w)		
Electrical supply:	230V 1ph 50Hz (110V 1ph 60Hz)		
Full Load Current:	1.1A (1.4A)		
Noise level:	55dB (A)		
Filters:	Pre filter	Surface area	0.06 m ²
		Efficiency F7	85% @ 0.8μ
	Combined filter	Surface area	2.0 m ²
		Efficiency H13	99.997% @ 0.3μ
		Impregnated Carbon	
Duct Size:	2 x 50mm		
Duct Run:	16 feet		

35460 System Specifications

Capacity:	320 CFM		
Size:	height 17.5" x depth 14.5" x width 14.5"		
Weight:	50 lbs.		
Exhauster:	Centrifugal fan		
Rated Output:	240W (255W)		
Electrical supply:	230V 1ph 50Hz (110V 1ph 60Hz)		
Full Load Current:	1.8A (3.5A)		
Noise level:	60dB (A)		
Filters:	Pre filter	Efficiency F8	85% @ 0.8μ
	Gas activated carbon foam		
Duct Size:	4 x 50mm or 2 x 75mm		
Duct Run:	19.5 feet		

The 35460 will run a maximum of six 50mm arms or four 75mm arms and with a maximum duct run of 19.5 feet.

Limited Warranty

Menda expressly warrants that for a period of three (3) years from the date of purchase, Menda Fume Extraction Units will be free of defects in material (parts) and workmanship (labor). Within the warranty period, the product will be tested, repaired, or replaced at Menda's option, free of charge. Call our Customer Service Department at 909-627-2453 for a Return Material Authorization (RMA) and proper shipping instructions and address. Include a copy of your original packing slip, invoice, or other proof of purchase date. Any unit under warranty should be shipped prepaid to the Menda factory. Warranty repairs will take approximately two weeks.

If your unit is out of warranty, call Customer Service at 909-627-2453 for a Return Material Authorization (RMA) and proper shipping instructions and address. Menda will quote repair charges necessary to bring your unit up to factory standards.

Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

Limit of Liability

In no event will Menda or any seller be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.