AXMINSTER PROFESSIONAL

AP60E Code **107632**
AP170E Code 107633

Original Instructions

AP60E & AP170E
Extractors

AP60E

AP170E

AXMINSTER • THREE YEAR GUARANTEE • 3

AT: 08/02/2022
BOOK VERSION: 6

INDEX OF CONTENTS

EU DECLARATION OF CONFORMITY

Cert No: CT-90H, CT-90HB

Axminster Tool Centre Ltd
Axminster Devon
EX13 5PH UK
axminstertools.com

declares that the machinery described:-

Type	**Extractors**
Model	**AP60E & AP170E**

Signed

Andrew Parkhouse
Operations Director Date: **04/07/2015**

EU Declaration of Conformity

This machine complies with the following directives:

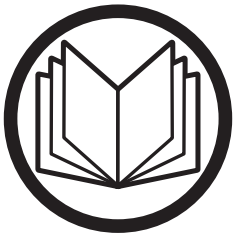
2006/42/EC
2006/95/EC
EN 60204-1:2006+A1:2009
EN ISO 12100-1:2003+A1:2009

EN ISO 12100-2:2003+A1:2009

and conforms to the machinery example for which the
EC Type-Examination Certificate No CN.CE.0175.01-07/10, CN.CE.0175.02-07/10
has been issued by **META INTERNATIONAL CO., LTD.**
at: NO. 38-46, YA TAN Rd., TA YA HSIANG. TAICHUNG HSIEN, TAIWAN, R.O.C.

and complies with the relevant essential health and safety requirements.

The symbols below advise the correct safety procedures when using this machine.



Fully read manual and safety instructions before use

Ear protection should be worn

Eye protection should be worn

Dust mask should be worn

HAZARD

Model Number		AP60E
Quantity	**Item**	**Part**
	107632	
1	Base	**1**
1	Tube Support Bar	**2**
2	Upright Supports	**3**
1	Tube Handle	**4**
1	Filter Dust Bag	**5**
1	Filter Assembly	**6**
2	Foam Seal Bands	**7**
2	Filter and Bag Retaining Belts	**8**
1	Shaker Paddle Operating Handle	**9**
2	Wheels	**10**
2	Castor Wheels	**11**
Extractor Fixings		**12**
1	5mm Hex Key	**a**
1	10-12mm Spanner	**b**
2	1/2" Lock Nut	**c**
2	1/2" Nuts	**d**
2	Thin Washers	**e**
2	Nylon Washers	**f**
2	Large Washers	**h**
8	5/16" UNC Domed Cap head Bolts	**i**
12	5/16" UNC Hex Bolts (Short)	**j**
2	5/16" UNC Countersink Bolts (Long)	**k**
2	1/2" Large Hex Bolts	**l**
1	Extractor Assembly	**13**

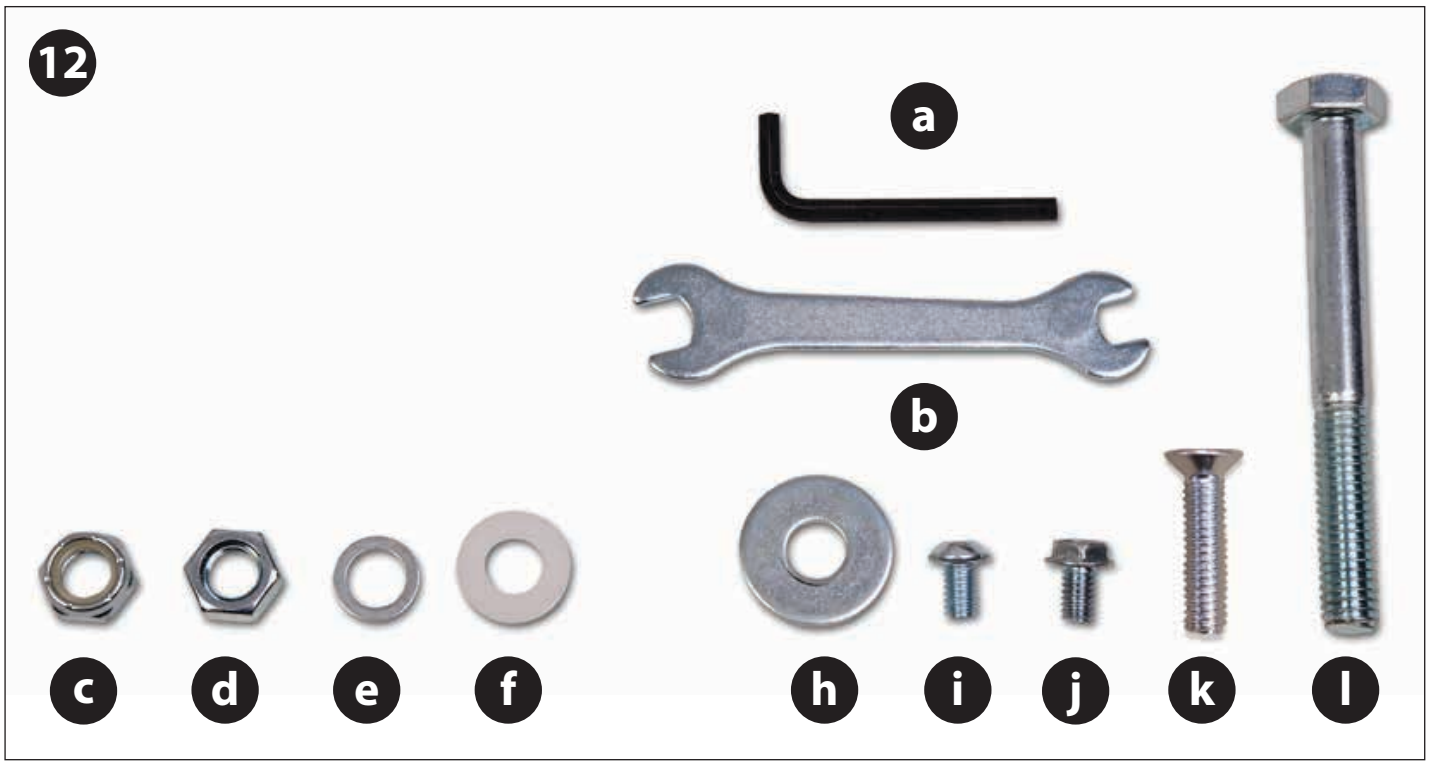
Please read the Instruction Manual prior to using your new machine. As well as the operating procedures for your new machine, there are numerous hints and tips to help you to use the machine safely and to maintain its efficiency and prolong its life. There is also a detailed description of the parts of your Extractor, which will enable you to become familiar with terminology we will use in this manual. Keep this Instruction Manual readily accessible for any others who may also be required to use the machine.

Model Number		AP170E
Quantity	**Item**	**Part**
	107633	
1	Base	**14**
1	Tube Handle	**15**
1	Upright Support	**16**
1	Tube Support Bar	**17**
1	Inlet Manifold	**18**
	1Filter Dust Bag	**19**
1	Filter Bag Retaining Belt	**20**
2	Wheels	**21**
2	Castor Wheels	**22**
1	Shaker Paddle Operating Handle	**23**
1	Filter Retaining Belt	**24**
2	Foam Seal Bands	**25**
1	Filter Assembly	**26**
Extractor Fixings		**27**
1	5mm Hex Key	**a**
1	10-12mm Spanner	**b**
2	1/2" Lock Nut	**c**
2	Nylon Washers	**d**
2	Thin Washers	**e**
2	Large Washers	**g**
1	Small Phillips Screw No: 10 ANC	**h**
18	5/16" UNC Hex Bolts (Short)	**i**
2	5/16" UNC Countersink Bolts (Long)	**j**
2	1/2" Large Hex Bolts	**k**
1	Extractor Assembly	**28**
1	Dust Deflector with angle bracket	**29**
3	Hex Bolts (Short)	**l**
5	5/16" Nuts	**m**
2	5/16 UNC Hex Bolts (Long)	**n**

WHAT'S INCLUDED

AP60E Extractor

AP60E Extractor

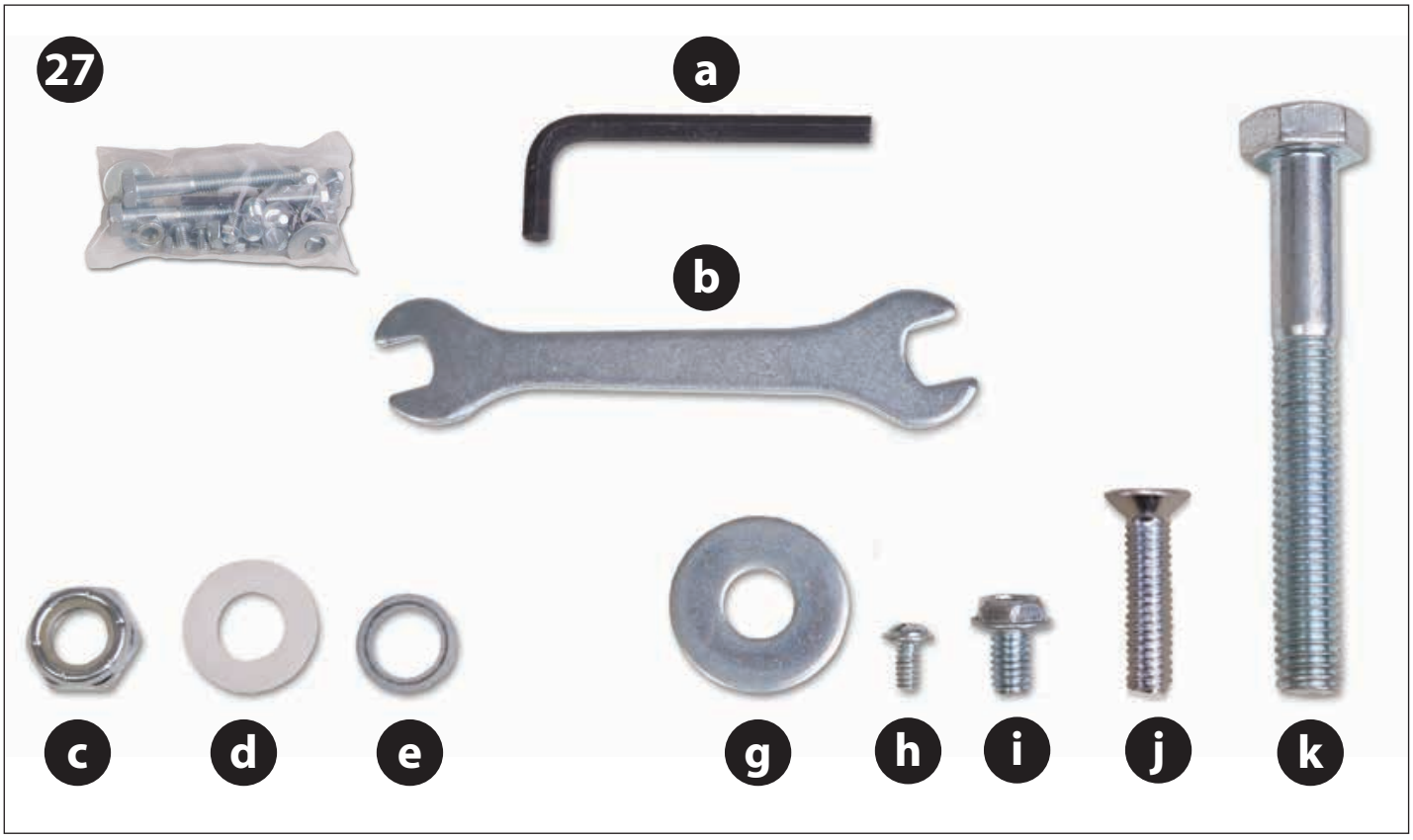


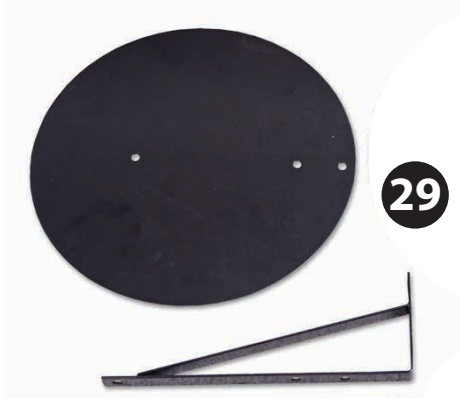
AP170E Extractor

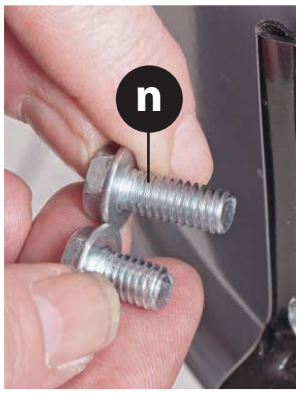
Continues Over....

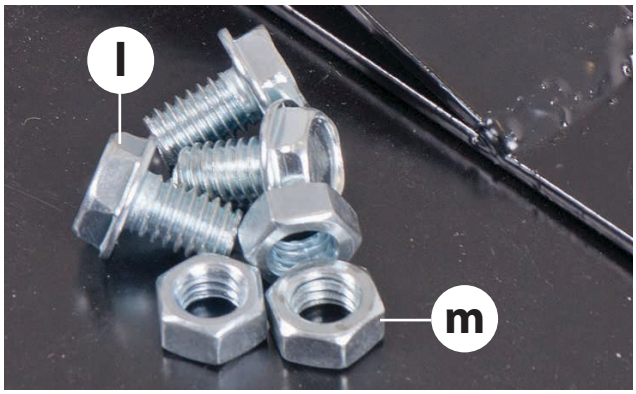
WHAT'S INCLUDED

AP170E Extractor









GENERAL INSTRUCTION FOR 230V MACHINES

The following will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.

WARNING!! KEEP TOOLS AND EQUIPMENT OUT OF REACH OF YOUNG CHILDREN

KEEP WORK AREA AS UNCLUTTERED AS IS PRACTICAL. UNDER NO CIRCUMSTANCES SHOULD CHILDREN BE ALLOWED IN WORK AREAS.

Mains Powered Tools

- The machine is supplied with an attached 16 Amp plug.
- Inspect the cable and plug to ensuree that neither are damaged. Repair if necessary by a suitably qualified person.
- Do not use when or where it is liable to get wet.

N.B. This Machine requires a 16amp supply and it's recommended that a C Type breaker is used, if you are unsure please contact a qualified electrician.

Workplace

- Do not use 230V a.c. powered tools anywhere within a site area that is flooded.
- Keep machine clean.
- Leave machine unplugged until work is about to commence.
- Always disconnect by pulling on the plug body and not the cable.
- Carry out a final check e.g. check the cutting tool is securely tightened in the machine and the correct speed and function set.
- Ensure you are comfortable before you start work, balanced, not reaching etc.
- Wear appropriate safety clothing, goggles, gloves, masks etc. Wear ear defenders at all times.
- If you have long hair wear a hair net or helmet to prevent it being caught up in the rotating parts of the machine.
- Consideration should be given to the removal of rings and wristwatches.
- Consideration should also be given to non-slip footwear etc.
- If another person is to use the machine, ensure they are suitably qualified to use it.
- Do not use the machine if you are tired or distracted
- Do not use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases.
- Check cutters are correct type and size, are undamaged and are kept clean and sharp, this will maintain their operating performance and lessen the loading on the machine.
- **OBSERVE....** make sure you know what is happening around you and **USE YOUR COMMON SENSE.**

SPECIFIC SAFETY FOR DUST EXTRACTORS

Do not use this machine as a vacuum cleaner, try to keep the waste medium to wood by products.

Do not uplift workshop floor debris (stones, nails, screws, paper etc., etc). Be aware that wood dust is an explosive medium.

Do not allow any 'naked light' source to occur anywhere near the machine. This includes cigarettes, matches, etc, and do not place the machine near any unprotected light bulbs, that could possibly get broken.

The suction force is generated by a high speed fan unit. This has the potential to amputate fingers, grab loose clothing (ties etc.,) and 'bat' large chips etc, at high speeds. Keep all guarding in place, and if access to the fan becomes necessary (due to blockage etc.,) Disconnect the machine from the mains supply and ensure the fan has come to a complete stop before putting your hands anywhere near to it.

If you are not using 'clear' extraction hose, periodically remove the hose to check that the inlet to the machine is not getting restricted. (The safety guard grill of the inlet duct can be particularly irksome in this way, as long strand shavings etc., can wrap around the grill fret.)

Keep the particle filter clean. The machine relies on its ability to 'blow' air through the filter, to generate good suction. If the particle filter starts to clog, this reduces the air flow and hence the machine becomes less efficient.

The particle filter can be cleaned, by using an 'M' class vacuum cleaner, clean the inside of the filter.

Be aware that in dry air periods or areas, the movement of the air through the machine can generate static electric fields. These are not normally a problem as the machine is bonded together via its construction and the whole is earthed back through the electrical supply; problems can occur with isolated items, such as stands or hosing that are insulated from the ground (standing on rubber feet?, suspended in the air etc).

If possible, try to connect everything together electrically, to eliminate static shocks.

(Use the integral metal coil in flexible plastic hosing to connect units together).

Try to route the power cable and the hosing away from busy walkways.

Do not allow the inlet to become 'dead ended', or block or restrict the outlet, this puts undue strain on the motor and can lead to overheating.

ONLY USE DUST EXTRACTION BAGS WITH THIS MACHINE NOT DOMESTIC WASTE BAGES!

DO NOT PLACE DUST EXTRACTION BAGES OVER THE FILTER ASSEMBLY!

SPECIFICATION

Code	107632
Model	AP60E
Rating	Professional
Power	0.75kW 230V 1ph
Air Flow	850 m³/h at 100 mm
Noise Level	1 Meter (Distance) 77.6dB
	3 Meter (Distance) 73.3dB
Particle Size	1 micron
Hose Diameter	100 mm
Bag Capacity	60 litre
Overall L x W x H	720 x 660 x 1460 mm
Weight	27 kg

Code	107633
Model	AP170E
Rating	Professional
Power	1.5kW 230V 1ph
Air Flow	2,250 m³/hr at 175 mm,
	1,200 m³/hr at 100 mm
Noise Level	1 Meter (Distance) 80.2dB
	3 Meter (Distance) 81dB
Particle Size	1 micron
Hose Diameter	1 x 175mm, 2 x 100 mm
Bag Capacity	170 litre
Overall L x W x H	1,100 x 680 x 1,750 mm
Weight	56 kg

ASSEMBLY

Please read through the section entitled Parts Identification and Description, this will enable you to more readily identify those parts of the cyclone extractor.

Please note: some of this assembly procedure is best accomplished by two persons. Although the tasks are not impossible, some of the items are heavy and awkward, and a mishandling error could cause injury. Please think about what you are doing, your capabilities and your personal safety. We have added the 'two person symbol' to any operation that we recommend should be a two person task.

Unpack all the boxes and check all the components listed in the "What's Included" section. If any parts or components are missing, please contact our Customer Services Department using the procedures and telephone numbers listed in our catalogue.

Please note: on occasions the packing list is not strictly adhered to. Please check all the boxes, packets etc. to make sure that all the parts have been accounted for.

PLEASE RECYCLE ANY UNWANTED PACKAGING RESPONSIBLY!

Having unpacked the boxes, put all components where they are readily to hand.

1. Locate the base (1-14), twelve UNC short bolts (12j - 27i) and upright supports (3-16). Place one of the supports (3-16) on to base and line up the pre-drilled holes with the ones to the side of the base, lightly secure in place with two UNC bolts, see fig 01-02-03. Repeat for the remain support.

Note: Make sure the two holes to the top of the supports face outwards!

Fig 01-02-03

2. Locate the tube support bar (2-17), line up the two holes with the holes to the front of base (1-14) and lightly secure using two UNC short bolts, see fig 04-05-06.

Fig 04-05-06

note: You will require assistance for the next step!

3. Locate the extractor assembly (13-28), lower the assembly down and insert the two upright supports into the extractors mounting brackets to either side of the assembly, see fig 07-08-09.

4. Line up the holes and secure in place using four UNC short bolts (12j-27i) and the supplied spanner, 09-10.

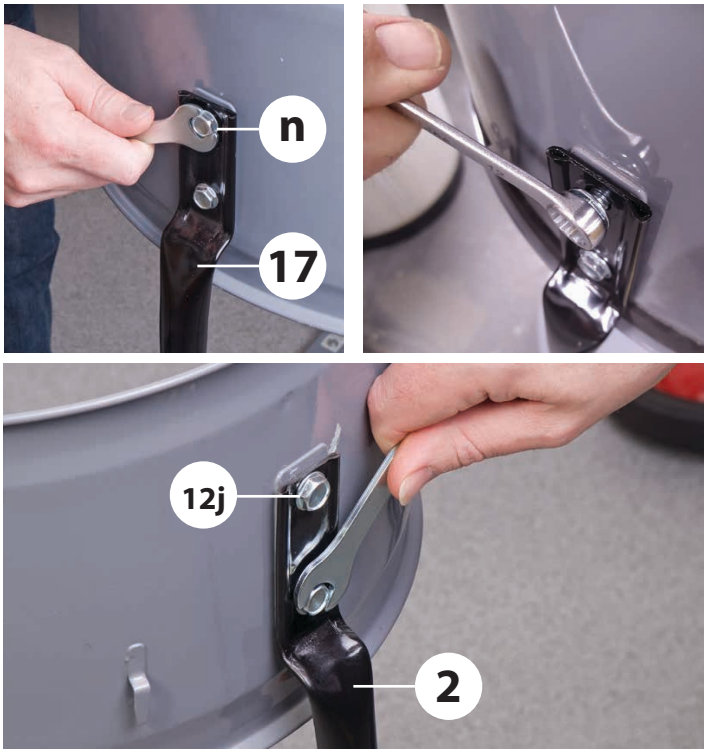
Fig 07-08

Fig 09-10

Continues Over....

5. Locate a further two UNC short bolts (12j) and secure the front support bar (2) to the extractor assembly (13). Secure the support bar (17) to the extractor (28) with two UNC Hex bolts long (n) , see fig 11-12.

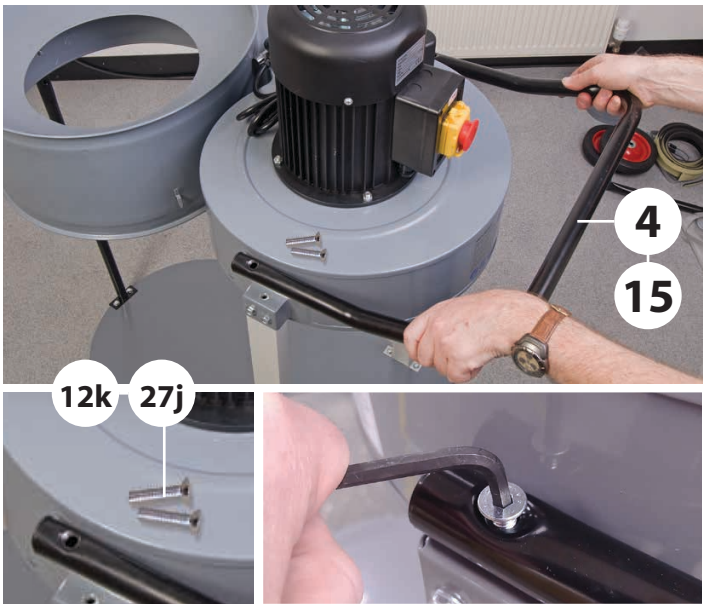
Fig 11-12



6. Locate the tube handle (4-15) and 5/16" UNC Countersink bolts (long) (12k-27j).

7. Line up the holes in the tube handle with the threaded holes on top of the mounting brackets, insert the countersink bolts through the handle into the extractor assembly and secure using a Hex key, see fig 13-14.

Fig 13-14



8. Lower the assembly down to the floor, note you may require assistance as the motor assembly is heavy.

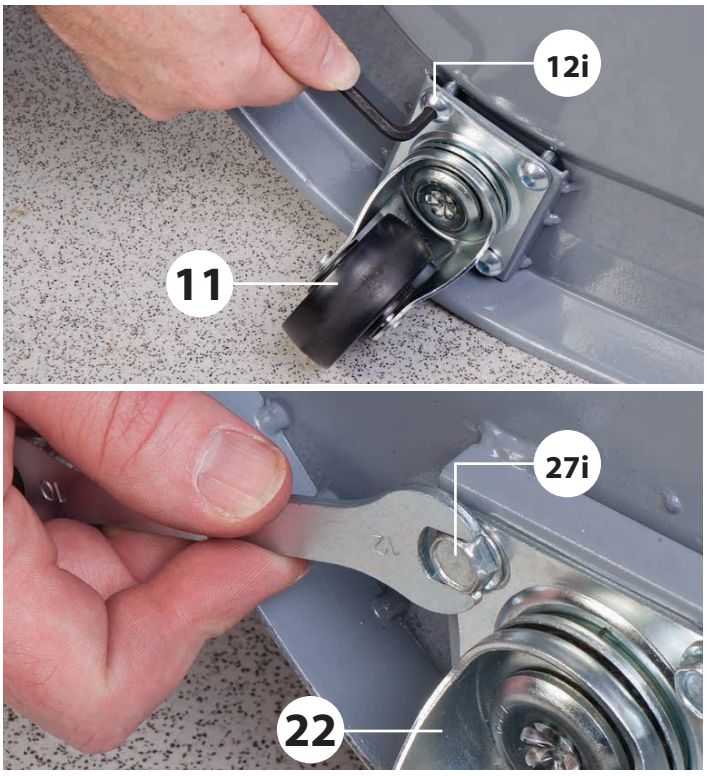
NOTE: USE THE HANDLE, 4-15 TO LOWER THE EXTRACTOR TO THE FLOOR.

Wheels/ Castor Wheels

Locate the following: wheels (10-21), castor wheels (11-22), 5/16" UNC domed cap head bolts (12i) , eight 5/16" UNC Hex bolt (27i), 1/2" nuts (12c & d), (27c), nylon washers (12f & 27d), thin washers (12e & 27e), large washers (12h & 27g) and large 1/2" Hex bolts (12l & 27k).

1. Put to hand the castor wheels, line up the holes in the brackets with the pre-drilled holes to the extractor's base and secure with domed bolts (12i) for (AP60E) and Hex bolts (27i) for (AP170E), see fig 15-16.

Fig 15-16



2. Place a large washer over the 1/2" hex bolts (12l & 27k) and slide the bolt through the centre hole to the front

Fig 17

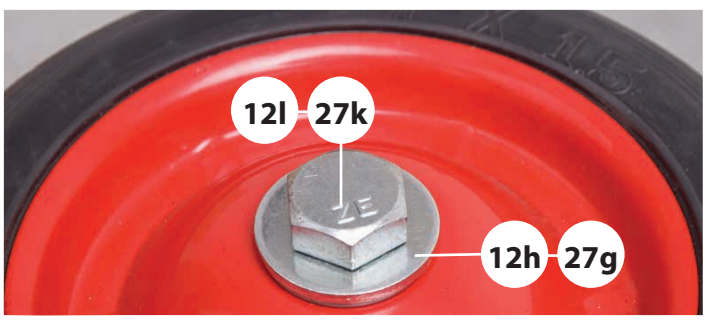
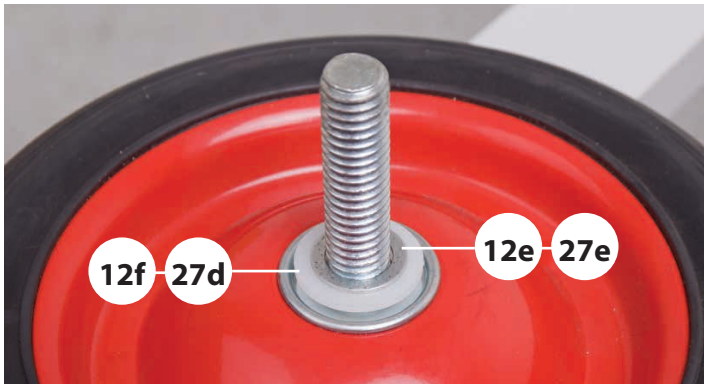


Fig 18



of one of the wheels, see fig 17. Turn the wheel over and place a nylon washer then a thin washer down over the thread of the Hex bolt, see fig 18.

3. Lower the wheel assembly down and slot the hex bolt through the pre-drilled holes to the side of the extractor's base, see fig 19.

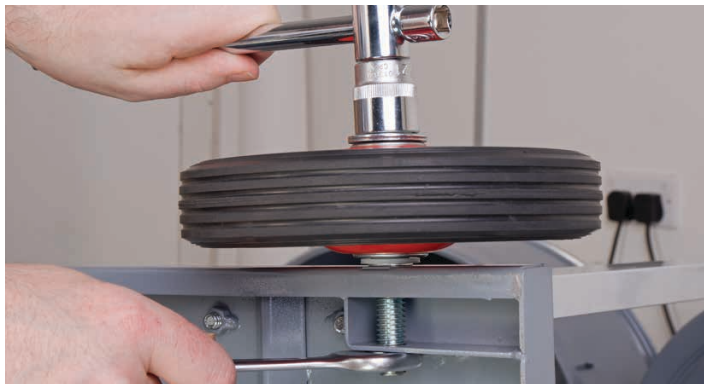
AP60E Extractor Only

Before sliding the Hex bolt down through the second hole, screw on an 1/2" Hex nut (12d) onto the thread, see fig 20.

Fig 19-20

4. Locate the 1/2" locking nuts (12c & 27c) and screw it onto the thread, see fig 21 then tighten using two spanners or open-ended sockets, see fig 22.

Fig 21-22



AP170E Extractor Only

Tighten the Hex nut (12d) up against the angled bracket, see image above.

5. Repeat steps 2-4 for the remaining wheel assembly, see fig 23-24. Stand the extractor upright.

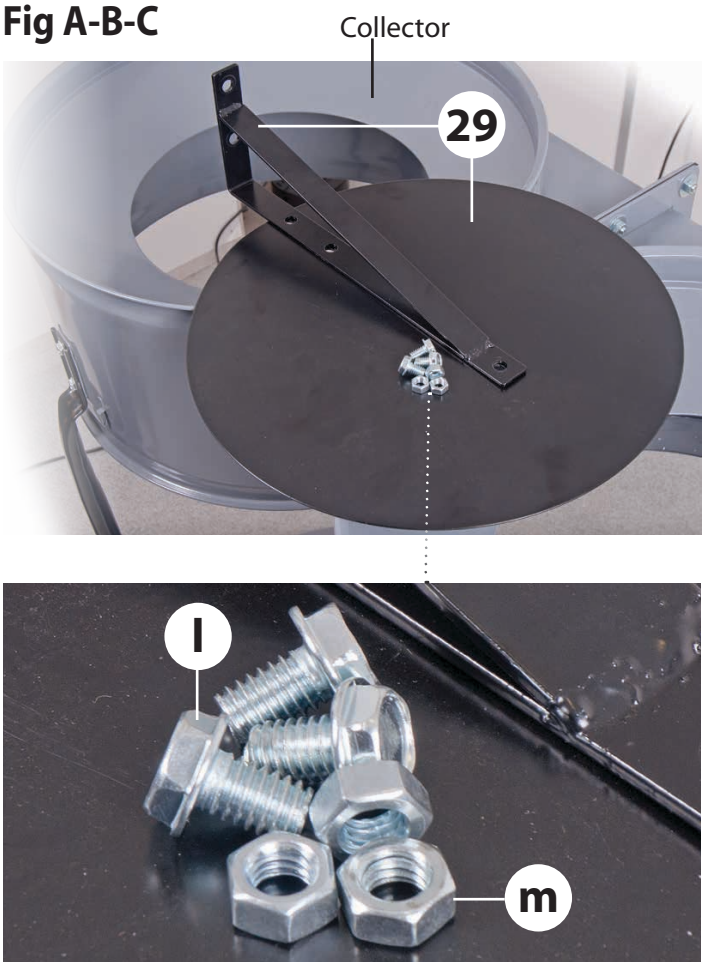
Fig 23-24

Continues Over....

Dust Deflector (AP170E ONLY)

1. Locate the dust defector and bracket (29), three Hex bolts (l) (short) and three 5/16" nuts (m). Line up the three holes in the angle bracket with the pre-drilled holes in the deflector. Introduce the Hex bolts (l) through the holes and secure in place with the 5/16" nuts (m), see fig A-B-C.

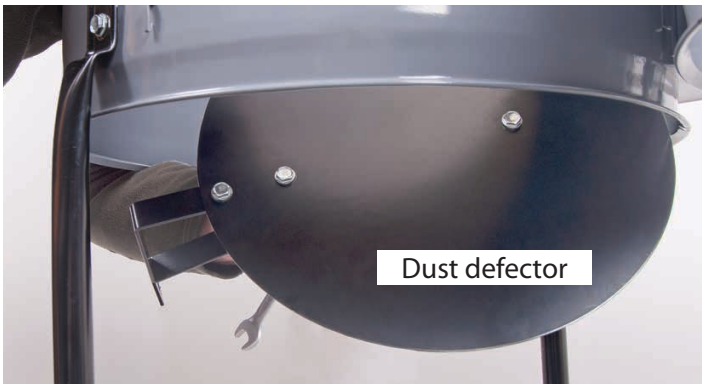
Fig A-B-C

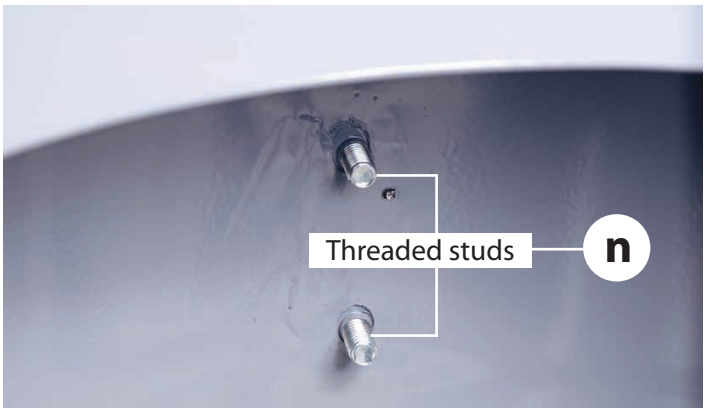


2. Slot the dust defector assembly up through the centre of collector, introduce the two pre-drilled holes in the angle bracket over the threaded studs (n), inside the collector and secure in place with two 5/16”nuts (m), see fig E-F-G.-H

NOTE: Make sure the bracket is angled down wards.

Fig E-F-G-H





Extractor Filter

1. Locate the filter assembly (6-26) filter retaining belts (8-24) and foam seal bands (7-25).

2. Put to hand the wide foam seal band, peal back the paper backing, position the end of band up against the underside of the upper lip on the extractor housing and firmly press down to secure in place. Carefully peal back the backing guiding the seal band round the extractor until it overlaps, use a knife to cut off any excess, see fig 25-26-27.

Fig 25-6-26-27

3. Go round pressing down the band to make sure it's stuck firmly down. Locate the filter assembly (6-26), lower the filter down over the extractor opening until it's firmly down, see 28.

4. Straighten the filter retaining belt (8-24), position the belt around the base of the filter and latch it down to hold and to seal the filter assembly, see fig 29-30.

Fig 28

Fig 29-30

5. Locate the remaining foam seal band, peel back the paper backing, position the end of band up against the edge of the lower lip of the extractor housing pressing firmily down, see fig 31.

6. Work the band around the extractor as before, find the dust bag (5-19) and the remaining retaining belt. Open up the dust bag and place it up and over the lower extractor housing, see fig 32.

Fig 31

Fig 32

7. Hook the bag onto the steel hooks around the extractor housing to temporary hold the bag in place, see fig 33.

8. Locate the retaining belt, rap the belt around the bag making sure the belt is positioned on top foam seal band then latch it down to hold and to seal the bag against the extractor, see fig 34-35.

Fig 33-34-35

Shaker Paddle Operating Handle

1. Locate the shaker paddle (9-23), insert the handle mounting over the paddle drive shaft making sure the clamping bolt is positioned over the machined face then tighten the bolt using the supplied spanner to secure the handle, see fig 36-37-38.

Fig 36-37-38

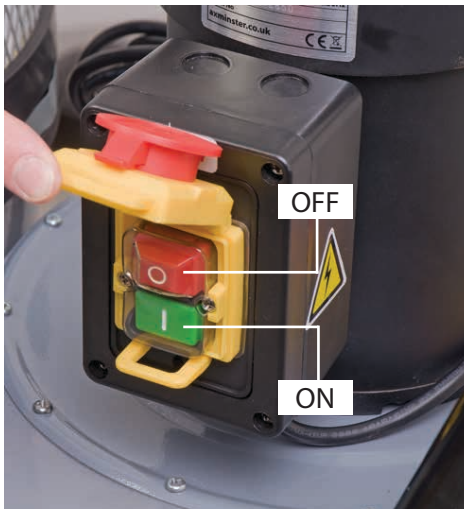
Inlet Manifold (AP60E Extractor Only)

Locate the inlet manifold (18) and the small Phillips screw (27h). Insert the manifold over the extractors inlet and line up the threaded hole in the inlet with cutout slot in the manifold, see fig 39. Secure the manifold in place with the Phillips screw, see fig 40.

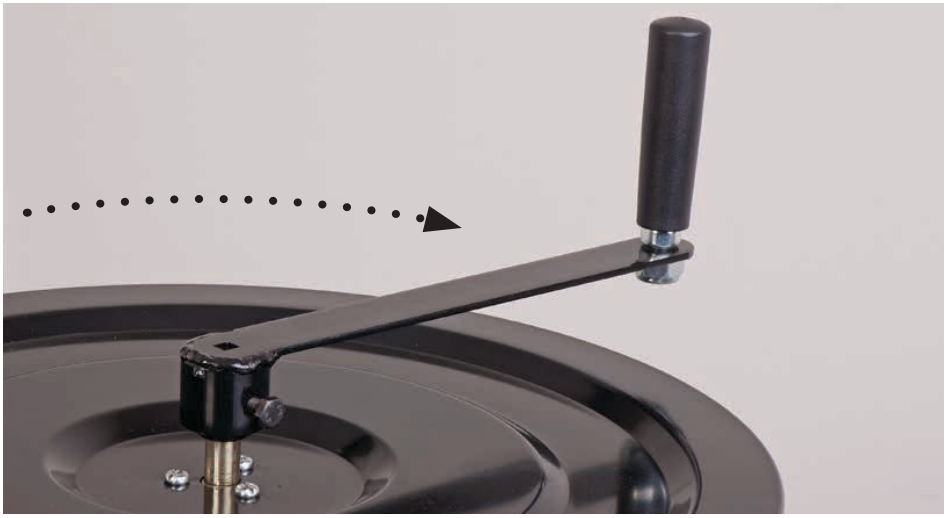
Fig 39-40


Shaker paddle operating handle
Filter
Motor assembly
Tube handle
NVR switch assembly
Filter retaining belt
Extractor assembly
Bag retaining belt
Upright supports
Tube support bar
Wheels
Base
Filter dust bag

AP60E



NVR switch assembly with (O) indicating (OFF) and (I) indicating (ON).



Shaker paddle assembly

For emergencies "SLAP" the shroud down to "STOP" the machine.

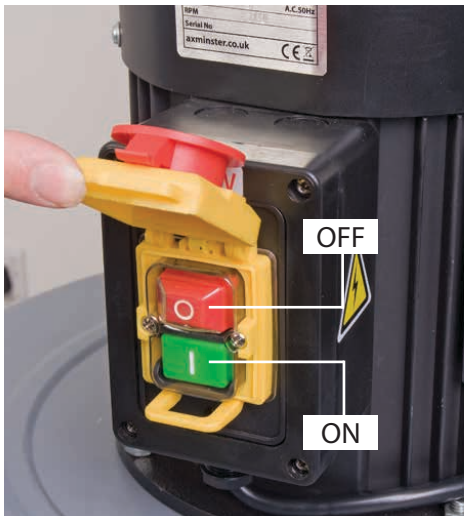
Dust extraction outlet

Motor vents

Filter and dust bag and retaining steel belts


Shaker paddle operating handle
Motor assembly
NVR switch assembly
Extractor assembly
Tube handle
Upright supports
Wheels
Base
Filter
Filter retaining belt
Bag retaining belt
Filter dust bag

AP170E



NVR switch assembly with (O) indicating (OFF) and (I) indicating (ON).

Filter bag retaining steel belt clip

For emergencies "SLAP" the shroud down to "STOP" the machine.

Bag hook to hold the dust bag in place when fitting the retaining steel belt

Inlet moulding with lid

Shaker paddle assembly, rotate the handle to operate the paddles with-in the filter assembly

Testing the Extractor

Connect the extraction hose/s to the adaptor outlet.

WARNING!! MAKE SURE CHILDREN ARE KEPT AWAY FROM THE EXTRACTOR WHILE IN OPERATION.

CONNECT THE POWER SUPPLY TO THE MAINS AND SWITCH ON!

NOTE: ALWAYS TURN ON/OFF THE EXTRACTOR BY THE NVR CONTROL SWITCH NOT THE MAINS SWITCH!

WAIT UNTIL IT'S UP TO FULL SPEED AND CHECK FOR SIGNS OF VIBRATION, IF ALL IS WELL SWITCH OFF AND WAIT UNTIL THE EXTRACTOR HAS COME TO A COMPLETE STOP.

DISCONNECT THE POWER SUPPLY FROM THE MAINS!

If the extractor fails to start up or any other strange noises apart from vibration sounds, contact the "Technical Sales" for support. Phone: 03332 406406

Reduced Suction Performance

After a period of time dust, sawdust and shavings can build-up causing blockages and reduced suction performance. Carry out the following checks to keep your extractor working at peak performance.

DISCONNECT THE POWER SUPPLY FROM THE MAINS!

WARNING! ALWAYS WEAR A DUST MASK

WARNING! ALWAYS WEAR EYE PROTECTION

• Check the filter for signs of buildup of sawdust and move the shaker paddle handle back and forth to remove any built up dust and debris from inside, see fig 41-42. Then clean the outside with a vacuum cleaner.

• Check the hoses for blockages

• Check the dust bag and empty if full, see fig 43-44.

Fig 41-42

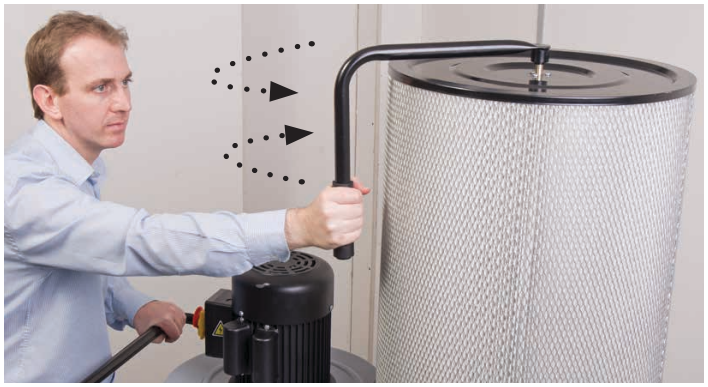


Fig 43-44

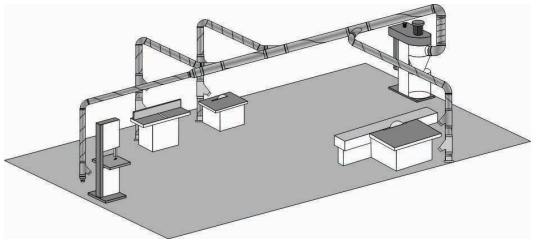
DUCTING SYSTEM

Gerneral Info

Many manufacturers will state the volume of air required for each machine in their manual. If not, note the size of the extraction port and use the chart below

outlet size	volume of air required
50	200 m³/hr
100	700 m³/hr
125	1100 m³/hr
150	1600 m³/hr
200	2800 m³/hr

Example: for a single machine with a 100mm port an extractor of a minimum of 700m³/hr will be sufficient. For multiple machines count the number of extraction ports per size, multiply the number of each size by the volume of air required. Then add the results per outlet size to give you a total volume of air required. This total is for all the machines operating at the same time. You then must decide which and how many machines will be used at the same time. Divide the total volume of air required by this number and add 500m³/hr. Choose an extractor that gives the airflow required by your calculations. Look at the main inlet size of the extractor, this is the size of the main duct to be used. In larger systems the ducting should get larger towards the extraction unit as more machines that are in use are added to maintain the correct air speed in the duct. This is very important; if the airflow is too low a build up of dust and debris will occur and is a fire and explosion risk. If the air speed is high then the system will be noisy but there will be no deposits in the ducting. Always use blastgates to close off airflow to machines that are not in use.



Basic design

- Keep it simple, don't over complicate the system.
- Keep it straight, ducting runs should all be straight with as few bends as possible.
- Keep transfer duct as big as required by the extractor, this should get larger towards the extractor.
- Keep flexible duct to a minimum. If the machine cannot be connected to the system by solid ducting only then should flexible ducting be used for the final connection.
- Keep branches joining the duct to a maximum of 45° When branches join the main duct ideally they must enter at the side or the top at an angle of a maximum of 45° towards the direction of flow.
- Fit Blastgates to maximise efficiency and balance the system.

The negative pressure inside the ducting draws air into the system. Incorrect sizing of the duct, too many bends coupled to lots of flexible hose induces losses into the system and in badly designed systems this is akin to leaving the hand brake on in a vehicle.

MAINTENANCE

Basic Maintenance

WARNING! always wear a dust mask

WARNING! Always wear eye protection

Daily

• Empty the collection bag before it overflows, wear a dust mask whilst removing and emptying the bag.

Weekly

• Check the inlet and outlet duct and remove any accumulated sawdust.

•Check the inlet hoses for splits and cracks, repair as necessary.

• Check the dust collection bag for wear and tear, especially around the neck of the retaining belt. If wear or fraying is occurring, replace the bag.

• Check the motor for dust, sawdust, shavings etc, build up. If this has occurred, clean with a vacuum cleaner, see fig 45.

• Move the shaker paddle handle back and forth to remove any built up dust and debris from inside the filter.

Monthly

• Remove the filter securing belt and remove the filter assembly, see fig 46 using an 'M' class vacuum cleaner, clean inside the filter.

Fig 45

Clean the motor housing vents

Fig 46

WEEKLY LEV SYSTEM MAINTENANCE LOG

Week	Date	Checked by	Check all ducting for physical damage	Check inlets, clear any obstructions if found	Check operation of all blastgate controls	Check filter(s) for damage and condition	Check filter shakers (if fitted) and clean filters	Check waste collector(s) for damage and condition	Empty waste collectors if necessary	Comments
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										REMOVE AND CLEAN FILTERS
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										REMOVE AND CLEAN FILTERS
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										

WEEKLY LEV SYSTEM MAINTENANCE LOG

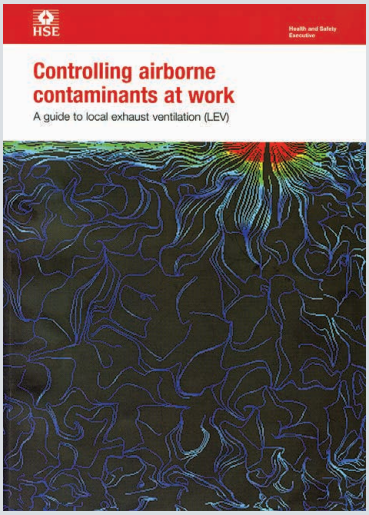
Week	Date	Checked by	Check all ducting for physical damage	Check inlets, clear any obstructions if found	Check operation of all blastgate controls	Check filter(s) for damage and condition	Check filter shakers (if fitted) and clean filters	Check waste collector(s) for damage and condition	Empty waste collectors if necessary	Comments
35										
36										REMOVE AND CLEAN FILTERS
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										REMOVE AND CLEAN FILTERS
50										
51										
52	**Nearly 14 months it is now a legal requirement to have your system tested and certified**									
53										
54										
55										
56										
57										
58										
59										
60										

Why should I bother with LEV?

The law says you must control the risks from these substances (the Control of Substances Hazardous to Health (COSHH) Regulations). Installing LEV may help you to do this.

For more information about other ways of eliminating or reducing airborne contamination at work look, at HSE's COSHH website, **hse.gov.uk/coshh**.

Health and Safety Executive



A guide to local exhaust ventilation (LEV)

Ref Code: HSG258

The book above provides guidance on the supply of local exhaust ventilation (LEV) equipment. It describes the principles and good practice of deciding on, designing, commissioning and testing cost-effective LEV.

The guidance is written for the suppliers of LEV goods and services, but will also be helpful for employers and managers in medium-sized businesses, and trade union and employee safety representatives. All of these groups need to work together to provide, maintain and use effective LEV and to reduce exposure from inhalation of hazardous substances.

The book contains information about the roles and legal responsibilities of suppliers and of their clients as employers; competence; principles of good design practice for effective LEV hoods and their classification; ducts, air movers, air cleaners; and system documentation with checking and maintenance schedules, and the marking of defective equipment.

It also includes guidance on the specification of LEV; the supplier's quotation; commissioning; zone marking; the user manual and logbook; testing and hood labels.

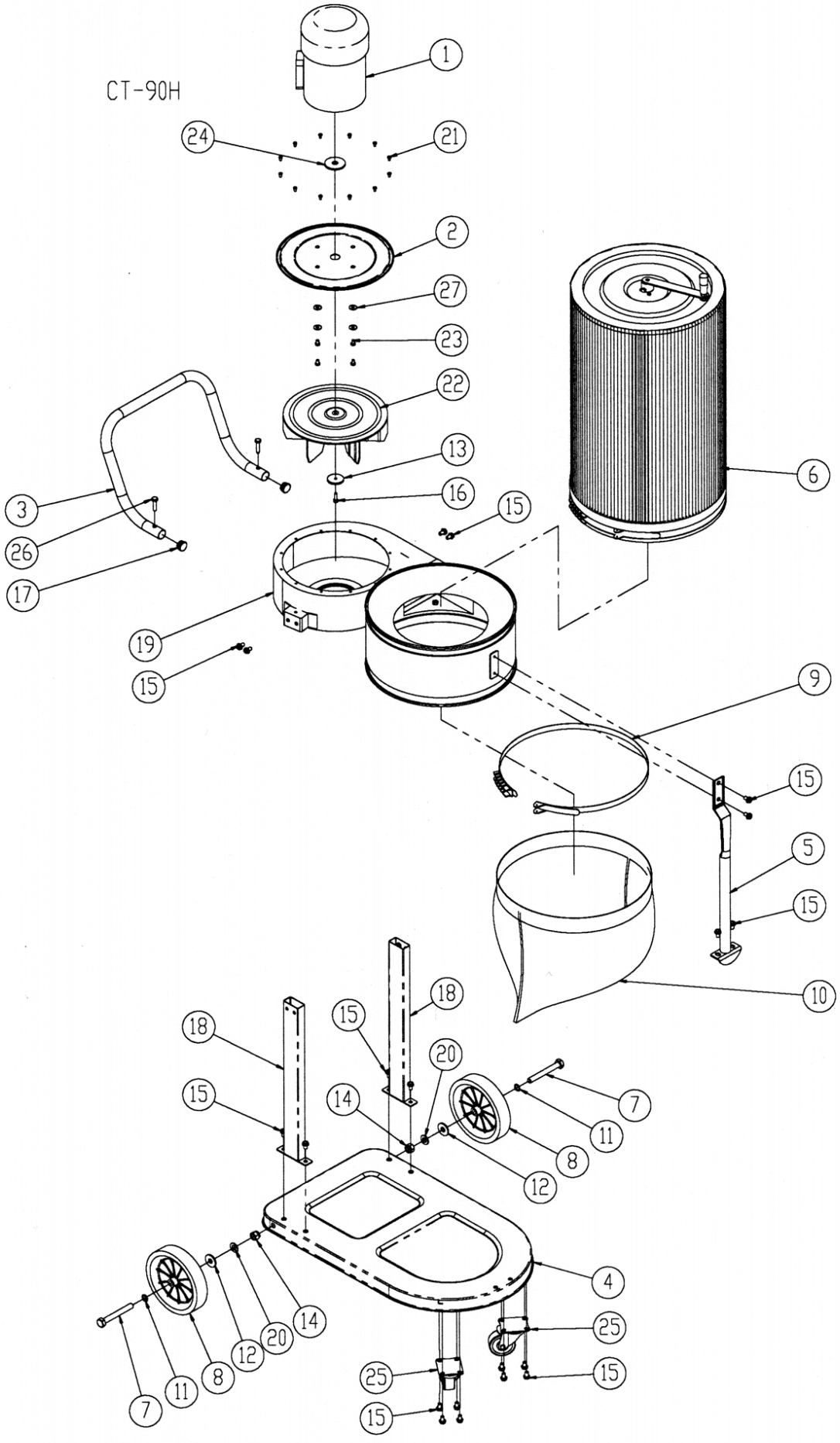
Extraction Accessories

For all of our accessories please see our catalogue or visit our website at axminstertools.com

Contact us on:

Call: 03332 406406
Web: axminstertools.com

AP60E


CT-90H
1
24
21
2
27
23
22
13
16
15
6
3
26
17
19
15
9
15
5
15
10
18
15
18
15
20
14
7
11
8
12
4
25
15
25
15
14
20
12
8
11
7

AP60E

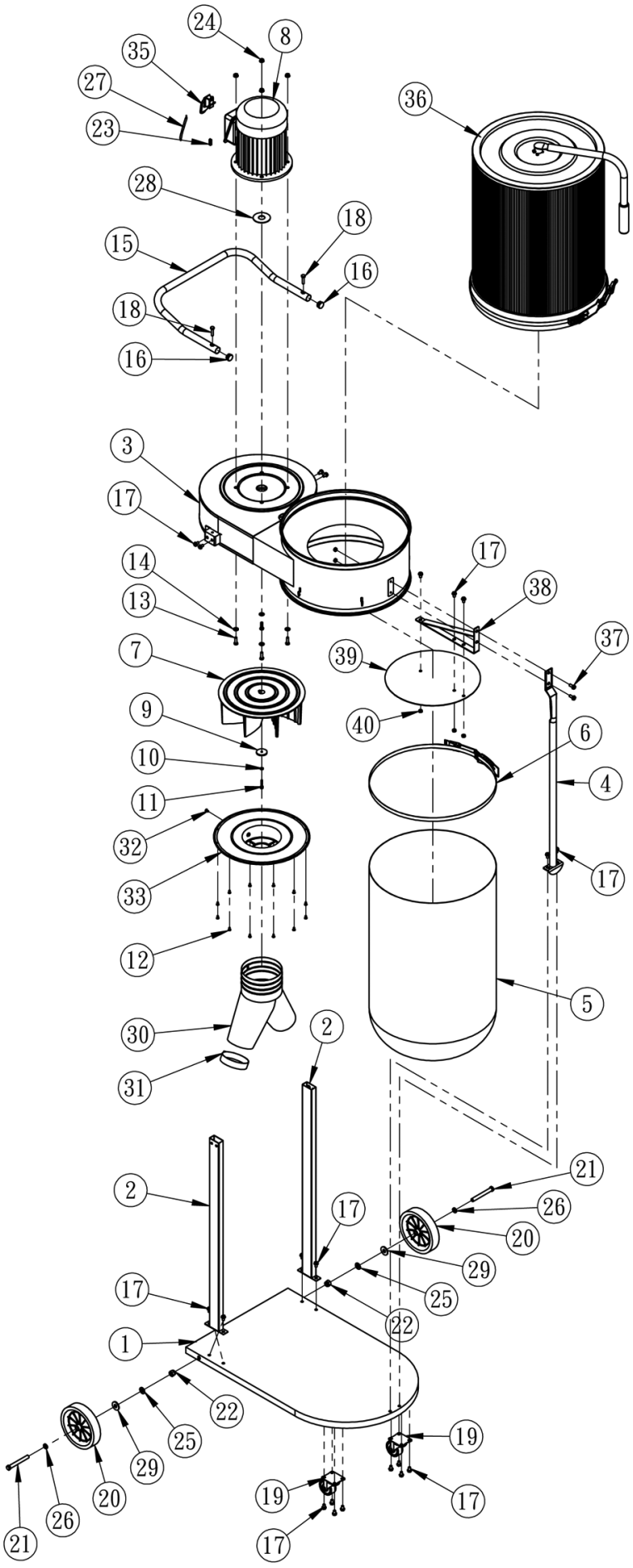
NO	DESCRIPTION	QTY
1	Motor	1
2	Motor Plate	1
3	Handle	1
4	Base	1
5	Collector Support	1
6	Canister Filter Unit	1
7	Hex Bolt 1/2" x 4"	2
8	Bearing Wheel 7"	2
9	Belt Clamp	1
10	Plastic Dust Bag	1
11	Washer 1/2" x 19	2
12	Washer 1/2" x 34	2
13	Impeller Washer	1
14	Lock Nut 1/2"	2
15	Hex Bolt 5/16" x 1/2"	20
16	Cap Screw M6 x 20	1
17	Tube Cap	2
18	Leg	2
19	Manin Housing	1
20	Plastic Washer	2
21	Round HD screw M5 x 10	12
22	Impeller	1
23	Hex Bolt 1/4" x 1"	4
24	Motor Packing	1
25	Caster 2-1/2"	2
26	Hex Bolt 5/16" x 1-1/4"	2
27	Washer 1/4" x 18	4

AP170E

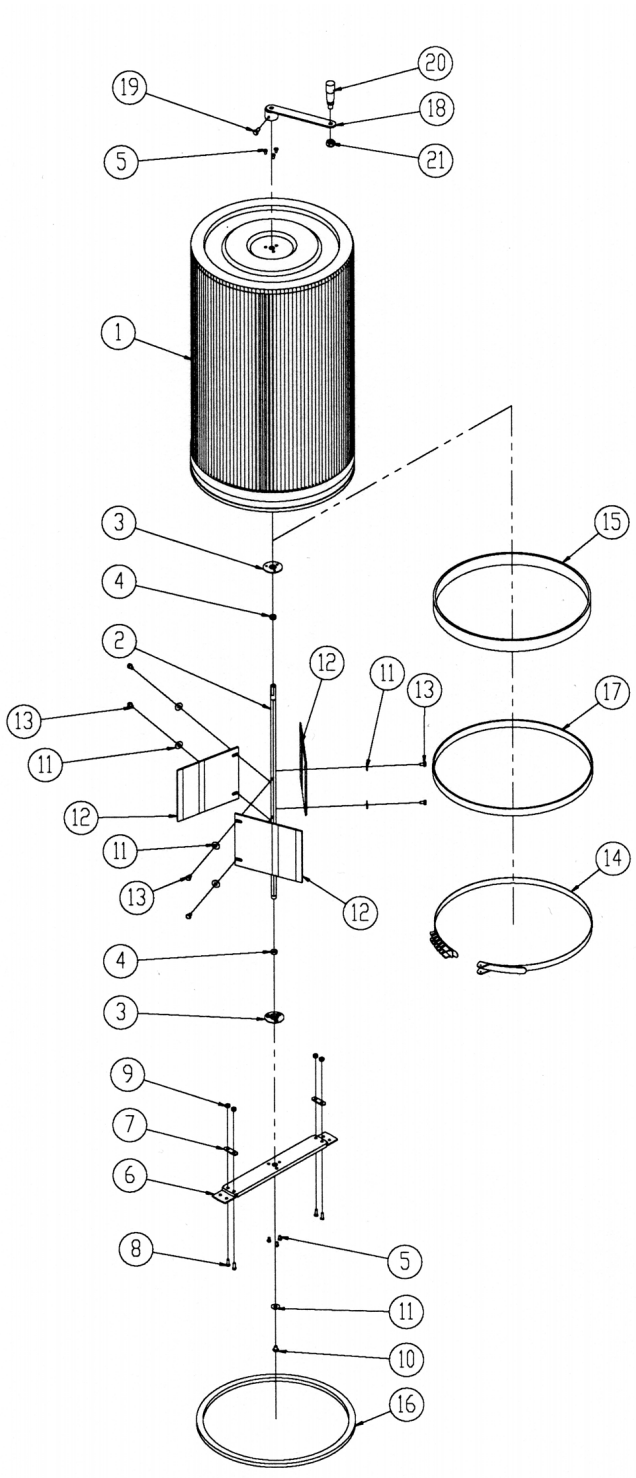
NO	DESCRIPTION	QTY
1	Base	1
2	Leg	2
3	Manin Housing	1
4	Collector Support	1
5	Plastic Dust Bag	1
6	Belt Clamp	1
7	Impeller	1
8	Motor	1
9	Impeller Washer	1
10	Spring Washer 1/4"	1
11	Cap Screw M6 x 30 (LH)	1
12	Round HD Screw 3/16" x 3/8"	12
13	Hex Bolt 5/16" x 1"	4
14	Washer 5/16" x18	4
15	Handle	1
16	Tube Cap 1"	2
17	Flange Bolt 5/16" x 1/2"	18
18	Hex Bolt 5/16" x 1-1/4"	2
19	Caster 2-1/2"	2
20	Bearing Wheel 7"	2
21	Hex Bolt 1/2" x 4"	2
22	Lock Nut 1/2"	2
23	Key	1
24	Flange Nut 5/16"	4
25	Plastic Washer 1/2"	2
26	Washer 1/2 "x 19	2
27	Power Cord	1
28	Motor Packing	1
29	Washer 1/2" x 34	2
30	Inlet 7" x 4" x 4"	1
31	Inlet Cap	1
32	Round HD Screw 3/16" x 3/8"	1
33	Inlet Cover 7"	1
35	Switch	1
36	Canister Filter Unit	1
37	Hex Bolt 5/16" x 3/4"	2
38	Hanging Bracket	1
39	SD2 Dust Separation Disc	1
40	Nut 5/16"	5

Continues Over....

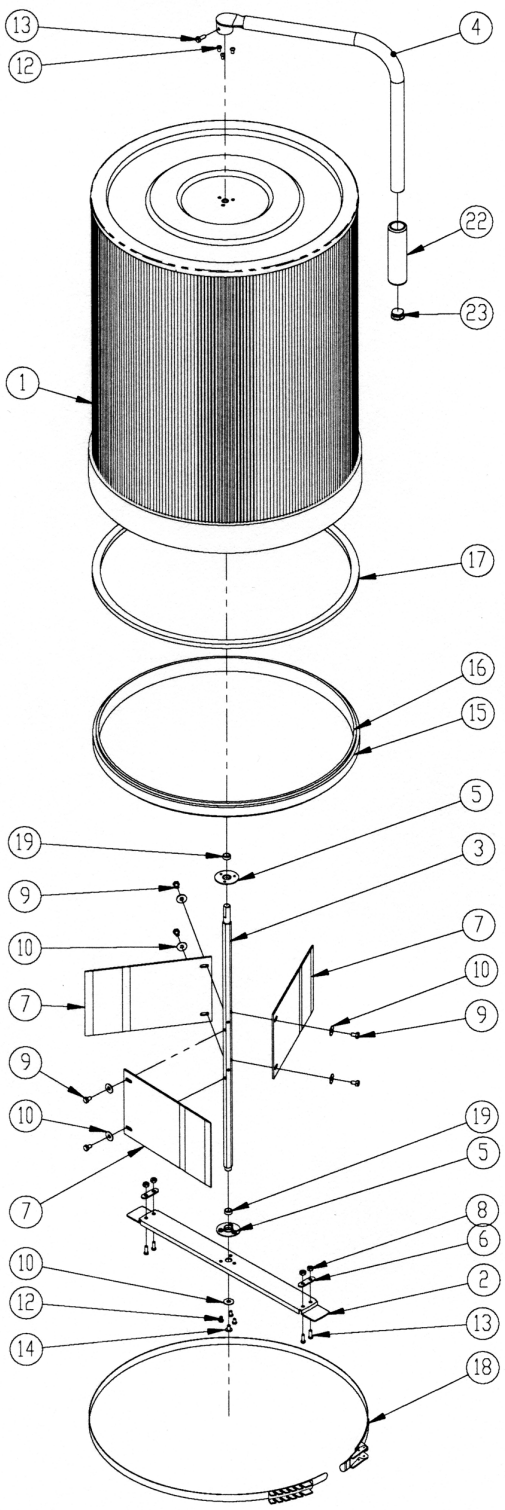
AP170E


24
8
35
27
23
36
28
18
15
16
18
16
3
17
14
13
17
38
37
39
7
40
9
6
10
4
11
32
17
33
12
5
30
2
31
2
21
17
26
20
29
25
17
22
1
22
19
25
29
20
19
17
26
21
17

AP60E Filter Assembly



AP170E Filter Assembly



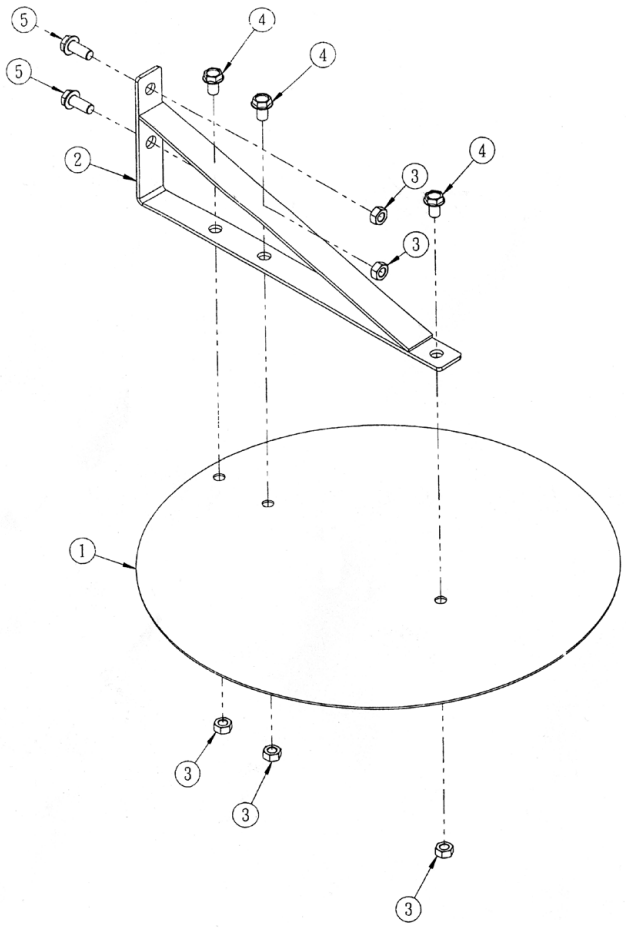
Continues Over....

AP60E Filter Parts List

NO	DESCRIPTION	QTY
1	Canister Filter	1
2	Spindle	1
3	Bearing Fixing Plate	2
4	Bearing	2
5	Round HD Screw M 5 x 8	6
6	Lower Fixing Plate	1
7	Fixing Plate	2
8	Round HD Screw M 5 x 15	4
9	Nut M5	4
10	Round HD Screw M6 x10	1
11	Washer 1/4" x 18	7
12	Flapper	3
13	Hex Bolt M6 x 10	6
14	Belt Clamp CK-370	1
15	Foam Strip 5 x 32 x 1200	1
16	Sponge 10 x 15 x 1200	1
17	Foam Strip 4 x 20 x1200	1
18	Handle Arm	1
19	Hex Bolt M6 x 16	1
20	Handle	1
21	Lock Nut M10	1

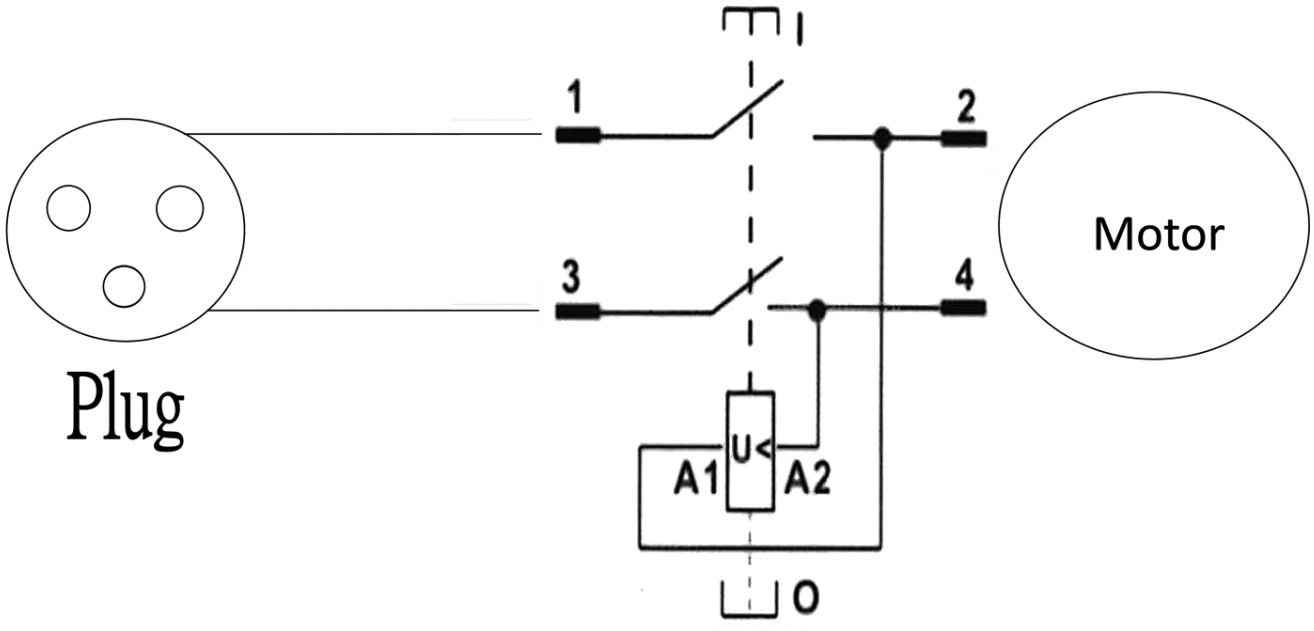
AP170E Filter Parts List

NO	DESCRIPTION	QTY
1	Canister Filter	1
2	Lower Fixing Plate	1
3	Spindle	1
4	Handle	1
5	Bearing Fixing Plate	2
6	Fixing Plate	2
7	Flapper	3
8	Nut M5	4
9	Round HD Screw M6 x10	6
10	Washer 1/4" x 18	7
11	Round HD Screw M 5 x 15	4
12	Round HD Screw M 5 x 8	6
13	Hex Bolt M6 x 16	1
14	Hex Bolt M6 x 10	1
15	Foam Strip 4 x 20 x1560	1
16	Foam Strip 5 x 32 x 1560	1
17	Sponge 10 x 15 x 1560	1
18	Belt Clamp CK-500S	1
19	Bearing	2
20	Handle Sleeve	1
21	Tube Cap	1



Deflector Assembly			
NO	**DESCRIPTION**	**PART NO**	**QTY**
1	Separator	037-0599	1
2	Separator Hanger	045-0141	1
3	5/16″ Hex Nut	004-0904	5
4	5/16″x 1/2″ Flange Bolt	004-0481	3
5	5/16″x 3/4″ Flange Bolt	004-0483	2

WIRING DIAGRAM



NOTES

The Axminster guarantee

Buy with confidence from Axminster!
So sure are we of the quality, we cover all parts and labour free of charge for three years!

For more information visit **axminstertools.com/3years**

The packaging is suitable for recycling.
Please dispose of it in a responsible manner.

EU Countries Only

Do not dispose of electric tools together with household waste material.
By law they must be collected and recycled separately.

Axminster Tools, Axminster Devon EX13 5PH
axminstertools.com