




Universal Tool

Operator Instructions

Includes - Foreseen Use, Work Stations, Putting Into Service, Operating, Dismantling, Assembly and Safety Rules

Important

Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible place.

Manufacturer/Supplier Universal Air Tool Company Limited Unit 8 Lane End Industrial Park High Wycombe Bucks HP14 3BY Tel No (01494) 883300 Fax No (01494) 883237	Product Type	RPM 3,200 Cycles Per Min	
	3" Mini Polisher Kit	Model No/Nos	
	UT8780K		

Product Nett Weight	Recommended Use Of Balancer Or Support	Recommended Hose Bore Size - Minimum	Recommended Max. Hose Length
1.59 lbs	No	3/8 Ins 10 M/M	30 Ft 10 M
0.72 Kg			

Air Pressure		Noise Level Sound Pressure Level 80.0 dB(A)	
Recommended Working	6.3 bar 90 PSI	Test Method Tested in accordance with Pneurop test code PN8NTC 1	
Recommended Minimum	n/a bar n/a PSI		
Maximum	7.0 bar 100 PSI		

Personal Safety Equipment	Vibration Level
Use - Safety Glasses Yes	0.77 Metres / Sec ²
Use - Safety Gloves Yes	Test Method Tested in accordance with ISO standard 8662
Use - Safety Boots	
Use - Breathing Masks Yes	
Use - Ear Protectors Yes	

Foreseen Use of Tool

The spindle thread on this tool is M6 and is designed to be used as a polisher by use of a velcro backing pad and appropriate wool and sponge buffs. Do not use the tool for any other purpose than a polisher. Do not fit any other type of pad or abrasive or cutting device.

Work Stations

The tool should only be used as a handheld, hand operated tool. It is always recommended that the tool is used when standing on a solid floor. It can be used in other positions but before any such use, the operator must be in a secure position having a firm grip and footing and be aware of a reaction force on the hand as result of the tool doing work.

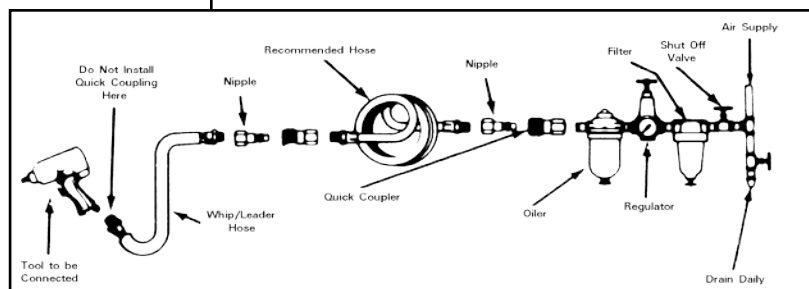
Putting Into Service

Air Supply

Use a clean lubricated air supply that will give a measured air pressure at the tool of 90 p.s.i./6.3 bar when the tool is running with the trigger fully depressed. Use recommended hose size and length. It is recommended that the tool is connected to the air supply as shown in figure 1. Do not connect the tool to the air line system without incorporating an easy to reach and operate air shut off valve. The air supply should be lubricated. It is strongly recommended that an air filter, regulator, lubricator (FRL) is used as shown in Figure 1 as this will supply clean, lubricated air at the correct pressure to the

tool. Details of such equipment can be obtained from your supplier. If such equipment is not used then the tool should be lubricated by shutting off the air supply to the tool, depressurising the line by pressing the trigger on the tool. Disconnect the air line and pour into the intake bushing a teaspoonful (5ml) of a suitable pneumatic motor lubricating oil preferably incorporating a rust inhibitor. Reconnect tool to air supply and run tool slowly for a few seconds to allow air to circulate the oil. If tool is used frequently lubricate on daily basis and if tool starts to slow or lose power.

It is recommended that the air pressure at the tool whilst the tool is running is 90 p.s.i./6.3 bar. The tool can run at lower and higher pressures with the maximum permitted working air pressure of 100 p.s.i./7 bar.



Operating

Select a suitable polishing pad or buff (see Section "Foreseen use of the tool") and make sure that it is fixed securely to the tool. Connect to suitable air supply as recommended.

Apply the polisher lightly to the work and allow the tool to do the work. Take great care when polishing around sharp edges and surfaces to avoid the disc snagging i.e. the disc may be brought to an abrupt stop or considerably slowed that will cause the tool to kick in the hands.

It is always recommended to use safety glasses and a breathing mask. The polishing of certain materials may create a hazardous dust which may require special breathing equipment. Check before using the tool. Even if the machine has a low noise level the actual polishing process may cause a noise level such that ear protectors will be required. If there are sharp areas on the material being sanded safety gloves are recommended.

Do not use undersized or oversized polishing accessories.

Tool Maintenance

It shall be the tool owner's and/or employer's responsibility to assure that tools are maintained in a safe operating condition. Tool maintenance and repair shall be performed by authorised, trained, competent personnel. Tools shall be disconnected from their compressed air supply before repairs are attempted. Repairs shall be consistent with the manufacturer's recommended procedures. Tool, hoses and fittings shall be replaced if unsuitable for safe operation. It shall be the tool owner's and/or employer's responsibility to keep required rating markings and warnings on the tool in legible condition.

Safety Rules for a Polisher

- 1) Read all the instructions before using this tool. All operators must be fully trained in its use and aware of these safety rules.
- 2) Do not exceed the maximum working air pressure.
- 3) Use personal safety equipment.
- 4) Use only compressed air at the recommended conditions.
- 5) If the tool appears to malfunction remove from use immediately and arrange for service and repair.
- 6) If the tool is used with a balancer or other support device ensure that it is fixed securely.
- 7) Always keep hands away from the working attachment fitted to the tool.
- 8) The tool is not electrically insulated. Never use the tool if there is any chance of it coming into contact with live electricity.
- 9) Always when using the tool adopt a firm footing and/or position and grip the tool firmly to be able to counteract any forces or reaction forces that may be generated whilst using the tool.
- 10) Use only correct spare parts. Do not improvise or make temporary repairs.
- 11) Do not lock, tape, wire, etc. the on/off valve in the run position. The trigger/lever etc. must always be free to return to the 'off' position when it is released.
- 12) Always shut off the air supply to the tool, and depress the trigger/lever etc. to exhaust air from the feed hose before fitting, adjusting or removing the working attachment.
- 13) Check hose and fittings regularly for wear. Replace if necessary. Do not carry the tool by its hose and ensure the hand is remote from the on/off control when carrying the tool with the air supply connected.
- 14) Take care against entanglement of moving parts of the tool with clothing, ties, hair, cleaning rags, etc. This will cause the body to be drawn towards the tool and can be very dangerous.
- 15) It is expected that users will adopt safe working practices and observe all relevant legal requirements when installing, using or maintaining the tool.
- 16) Do not install the tool unless an easily accessible and easily operable on/off valve is incorporated in the air supply.
- 17) Take care that the tool exhaust air does not cause a problem or blows on another person.
- 18) Never lay a tool down unless the working attachment has stopped moving.

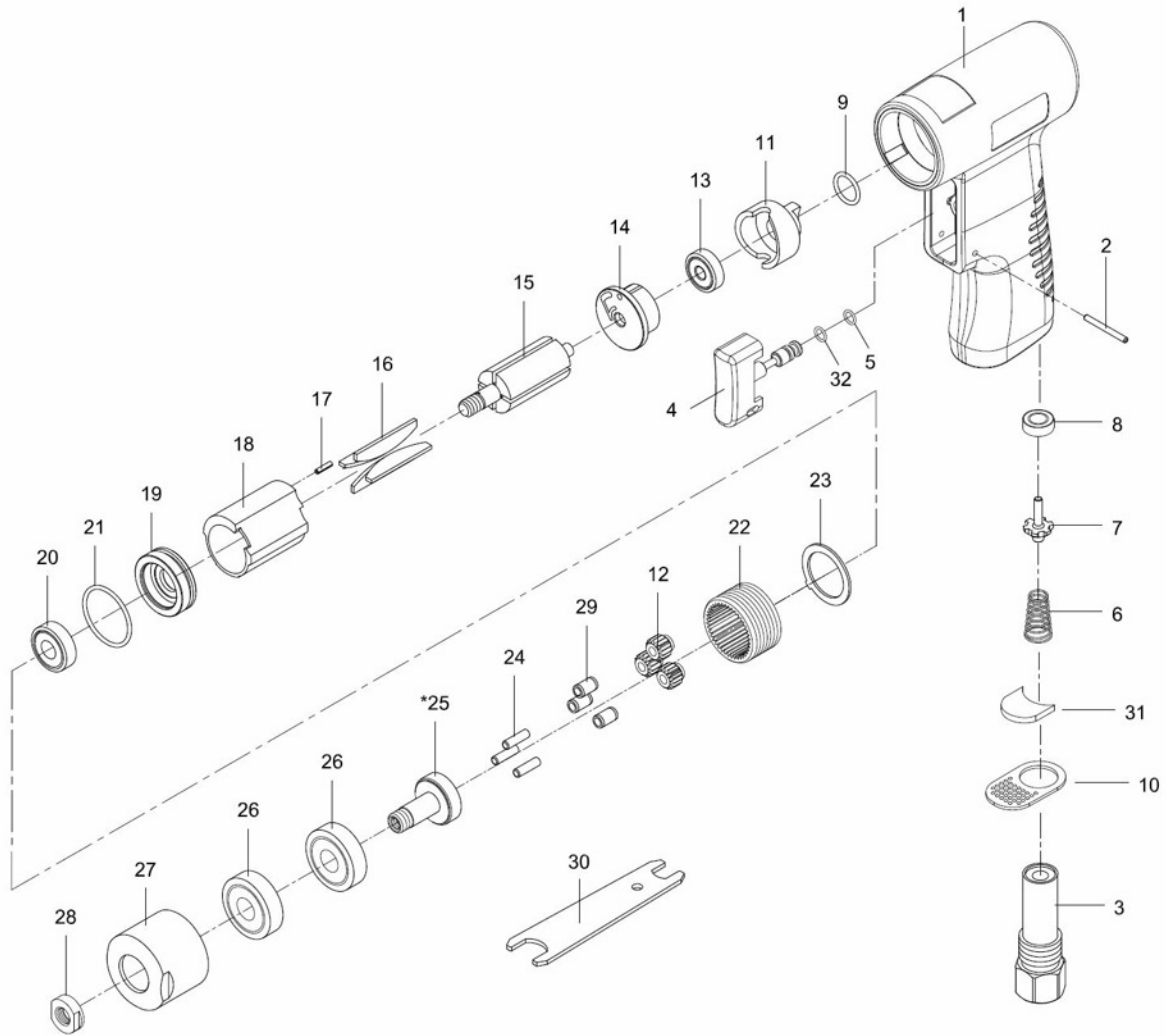
19) Always check the speed of the attachment is higher than the speed of the tool.

20) Check speed of tool at regular intervals.

21) Check always that the material to be polished may not cause a risk by being sanded, i.e. fire or explosion.

22) If self fixing discs are used always ensure the disc is fixed centrally to the pad.

23) Use only accessories (i.e. pads and discs) rated to run above the speed of the tool.



Ref No	Part No	Description
1	8780K-01	Motor Housing
2	8780K-02	Pin
3	8780K-03	Air Inlet
4	8780K-04	Trigger
5	8780K-05	O Ring
6	8780K-06	Spring
7	8780K-07	Valve Stem
8	8780K-08	Rubber Spacer
9	8780K-09	O Ring
10	8780K-10	Diffuser
11	8780K-11	Air Regulator
12	8780K-12	Planet Gear (3)
13	8780K-13	Ball Bearing
14	8780K-14	Rear Plate
15	8780K-15	Rotor
16	8780K-16	Rotor Blades (4)

Ref No	Part No	Description
17	8780K-17	Spring Pin
18	8780K-18	Cylinder
19	8780K-19	Front Plate
20	8780K-20	Ball Bearing
21	8780K-21	O Ring
22	8780K-22	Internal Gear
23	8780K-23	Spacer
24	8780K-24	Pin (3)
25	8780K-25	Work Spindle
26	8780K-26	Ball Bearing (2)
27	8780K-27	Clamp Nut
28	8780K-28	Spacer
29	8780K-29	Bushing (3)
30	8780K-30	Spanner
31	8780K-31	Damping Material (4)
32	8780K-32	O Ring

Declaration of Conformity
Universal Air Tool Company Limited
Unit 8, Lane End Industrial Park, High Wycombe, Bucks, HP14 3BY, England

declare under our sole responsibility that the product

Model UT8780K 3" Mini Polisher, Serial Number

to which this declaration relates is in conformity with the following standard(s) or other normative document(s)

EN792 (Draft), EN292 Parts 1 & 2, ISO 8662 Parts 1, 2 & 14, Pneurop PN8NTC1

following the provisions of **Directive 2006/42/EC**

Lane End

C. Moppett, Managing Director



Place of issue

For and on behalf of the company

Accessories

Notes

Distributor

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