

USER'S INSTRUCTION MANUAL

Q-6R PNEUMATIC POLISHER WITH REAR EXHAUST



Please read the user's instruction manual carefully before use and follow the user's instructions and health and safety guidelines.

Store the instruction manual where users and technicians can easily access any time as necessary.



Q-6R PNEUMATIC POLISHER

Technical Specification

Speed: 0-3,500 rpm
Air consumption: 15 cfm @ 90 psi

Max operating pressure: 90 psi
Tool fixture: M14
Max tool diameter: 100 mm
Weight: 1.2 kg (2.78 lbs)

Noise level:
A-weighted sound pressure level 76.2 dB (EN 150 15744:99)
A-weighted sound power level 87.6 dB (EN ISO 15744:99)

Vibration level:
0.36 m/s² (main handle) (EN 28662-1:93 & ISO 8662-8)
0.68 m/s² (support handle) (EN 28662-1:93 & ISO 8662-8)

Please also refer to the pertinent regulations of your own employer's liability insurance association.

Correct use

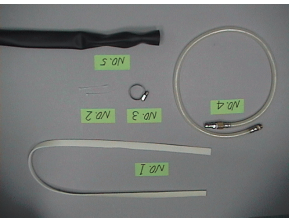
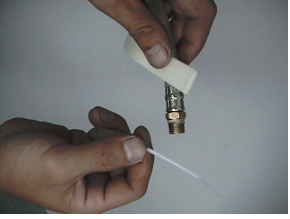
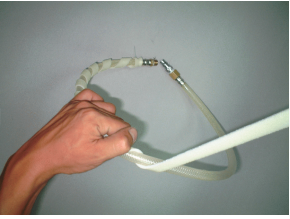
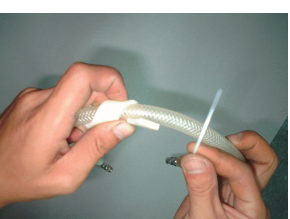
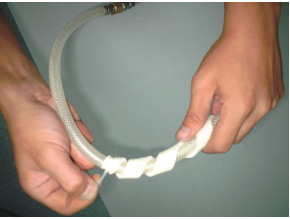
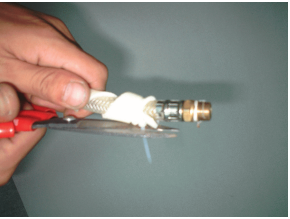
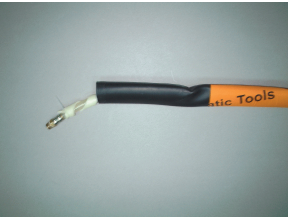
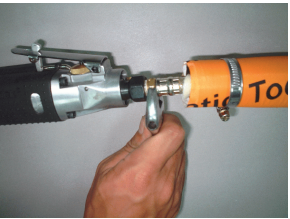
Q-6R type - this device is intended for surface and edging work with natural stone, engineered stone, glass and similar materials. It should only be fitted with suitable diamond polishing tools.

Guarantee

D K Holdings gives a 3 months guarantee on all newly purchased Q-6R machines, valid from the date on which the customer bought the machine. The guarantee only covers materials and/or manufacturing defects. Any claims made under guarantee should be accompanied by the original sales receipt with the date of sale. Repairs during the guarantee period may only be carried out by D K Holdings service centre. Claims may only be made under the guarantee if the machine has been used as intended by the manufacturer and in accordance with instructions. The guarantee does not, in particular, cover operational wear, improper application, partially or completely dismantled machines, damage due to excess machine stress or the use of defective or inappropriately used application tools. Likewise damage to application tools or work pieces caused by the machine, used under force, subsequent damage which can be traced back to improper or insufficient servicing on the part of the customer or a third party, damage caused by an outside force or foreign bodies (eg sand or stones) and damage cause by failure to observe the operating instructions, are not covered by the guarantee. Guarantee claims relating to application tools or accessories can only be entertained if they have been used with machines for which they were intended and where such use is approved.

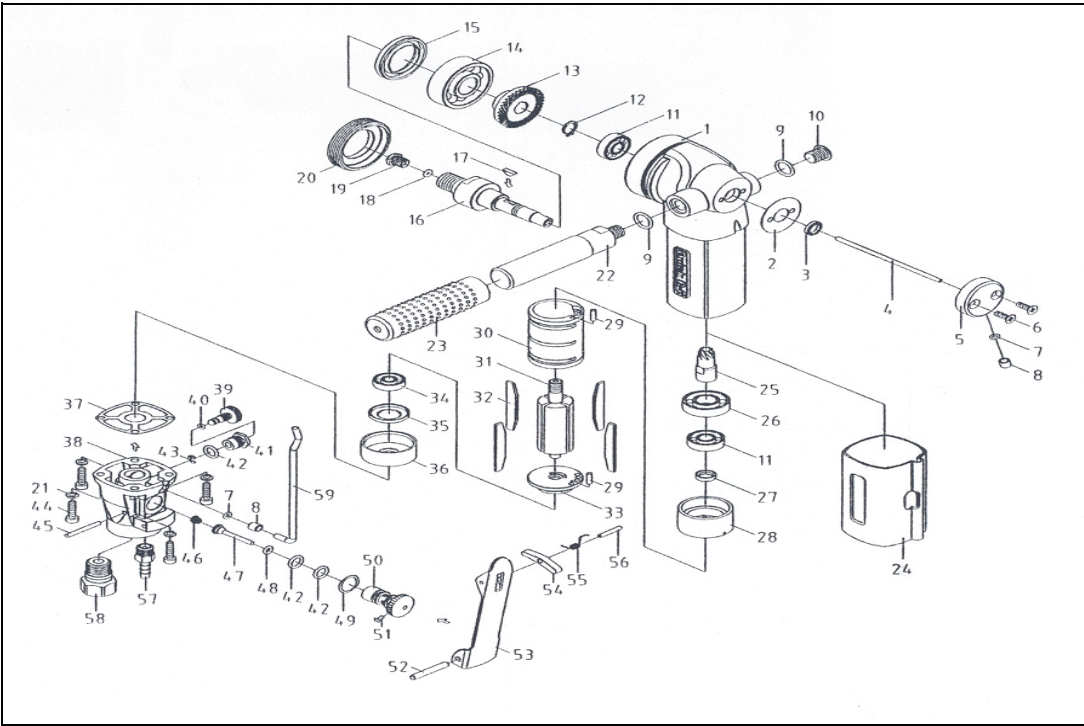
The Instructions of Silencer Set

Please follow the instructions to assemble the silencer set.

	Fig. 1 No. 1 Sponge cable ties No. 2 Cable tie (plastic) No. 3 Cable tie (metal) No. 4 Air inlet hose No. 5 PVC tube (does not include)		Fig. 2 Fasten one side of sponge with No. 2 plastic cable tie.
	Fig. 3		Fig. 4
	Fig. 5 Circle sponge around No. 4 air inlet hose.		Fig. 6 Fasten another side of sponge with No. 2 plastic cable tie.
	Fig. 7		Fig. 8 Cut the unnecessary parts of No. 2 plastic cable tie.
	Fig. 9		Fig. 10 Put No. 4 air hose inlet inside No. 5 PVC hose.
	Fig. 11		Fig. 12
	Fig. 13 Fasten silencer set with No. 3 metal cable tie and use screw driver to fix No. 3.		Fig. 14

Quick Q-6R Pneumatic Polisher with Rear Exhaust

Parts and Accessories



Item No.	Part No.	Description	Qty	Item No.	Part No.	Description	Qty
1	48501	Main Body	1	31	48531	Rotor	1
2	48502	Rear Gasket	1	32	48532	Rotor Blade	4
3	48503	Oil Seal	1	33	48533	End Plate	1
4	48504	Water Inlet Tube	1	34	48534	Bearing	1
5	48505	Water Inlet Transfer Head	1	35	48535	Bearing Cover	1
6	48506	Screw	2	36	48536	End Plate Cover	1
7	38504	O-Ring	2	37	48537	Rear Gasket	1
8	38505	Bushing	2	38	48538	Rear Body	1
9	38503	O-Ring	2	39	48539	Screw	1
10	38533	Screw	1	40	48540	O-Ring	1
11	48511	Bearing	2	41	48541	Screw	1
12	48512	Retainer Ring	1	42	38509	O-Ring	3
13	48513	Spiral Gear	1	43	48543	Retainer Ring	1
14	48514	Bearing	1	44	48544	Hex Screw	4
15	48515	Oil Seal	1	45	48545	Pin	1
16	48516	Main Shaft	1	46	48546	Spring	1
17	48517	Locking Key	1	47	48547	Valve Stem	1
18	48518	O-Ring	1	48	13018	O-Ring	1
19	48519	Water Outlet	1	49	48549	Spring Washer	1
20	48520	Locking Screw Cap	1	50	48550	Regulator	1
21	38548	Spring Washer	4	51	48551	Rivet	1
22	38541	Handle	1	52	48552	Pin	1
23	38542	Handle Sleeve	1	53	48553	Trigger	1
24	48524	Rubber Glove	1	54	48554	Lever	1
25	48525	Spiral Gear	1	55	48555	Spring	1
26	48526	Bearing	1	56	48556	Spring Pin	1
27	48527	Rotor Collar	1	57	48557	Water Inlet	1
28	48528	Front Plate	1	58	24402	Air Inlet	1
29	38517	Spring Pin	2	59	48559	Water Inlet Tube	1
30	48530	Cylinder	1				

Safety Instructions

These operating instructions and the safety instructions included should be read and observed before using this device in addition to the relevant local work safety regulations. Check polishing tools before use and only use undamaged polishing tools. Mounted polishing tools must be freely rotating. A 30 second test run with unloaded machine should be carried out every time tools are fitted. The danger range should not be entered during this operation. Wear protective glasses. The machine should be switched off immediately and inspected if strong vibrations occur. Only use tools and accessories recommended by us. Strongly unbalanced tools should not be used. Always work with additional side handle.

For safe operation:

1. Select and install a compressor with sufficient capacity margin for air consumption. Compressed air that contains water and oil will cause rusting and other problems to the machine. Please ensure that any water and/or oil is completely drained from the compressor tank prior to starting up the machine.
2. This polisher is designed for operation at an optimum air pressure of 15 cfm @ 90 psi. Too high air pressure leads to over revolution of the polisher, which can cause premature life of the polisher. To avoid such troubles, operate the polisher within the specified air pressure range.
3. Keep work area clean. Cluttered areas and benches invite injuries.
4. Do not let children contact tool or air and/or water hose. All visitors should be kept away from work area.
5. When not in use tools should be stored in dry, high or locked-up places, out of the reach of children.
6. Don't force the machine. It will do the job better and safer at the rate for which it was designed.
7. Use the right tool. Don't force small tools or attachments to do the job of a heavy duty tool. Don't use the machine for purposes not intended.
8. Dress properly - do not wear loose clothing or jewellery. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
9. Use safety glasses. Also use face or dust mask if operation is dusty.
10. Never carry machine by the air/water hose or yank it to disconnect it from socket. Keep hoses away from heat, oil and sharp edges.
11. Use clamps or a vice to hold work. It's safer than using your hand and it frees both hands to operate machine.
12. Don't overreach. Keep proper footing and balance at all times.

13. Maintain machine with care. Keep machine clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect hoses periodically and if damaged have repaired by an authorised service centre. Keep handles dry, clean and free from oil and grease.
14. Disconnect machine from air supply when not in use, before servicing and when changing accessories.
15. Avoid unintentional starting. Don't carry connected machine with hand on the safety lever. Ensure machine is switched off when connecting air supply.
16. Stay alert - watch what you are doing. Use common sense. Do not operate tool when you are tired or having taken medicine or alcohol.

17. Check damaged parts before further use of the machine. Check to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorised service centre unless otherwise indicated elsewhere in this instruction manual. Have defective safety levers replaced by an authorised service centre. Do not use a machine if it cannot be turned on and off by the safety lever.
18. Warning. The use of any accessories or attachments other than those recommended in this instruction manual or our catalogue may present a risk of personal injury and could invalidate any guarantee.

Mounting accessories onto machine

Disconnect machine from air supply. Lay machine down with the spindle pointing upwards. Polishing tools with an internal thread should have an M14 thread with a minimum depth of 16 mm. Only use tools and accessories that are approved by D K Holdings Ltd. The admissible circumferential speed and the maximum diameter must not be exceeded.

A 30 second test run with unloaded machine should be carried out every time tools are fitted.

Maintenance

1. Check the no load speed after each service using a tachometer.
2. Extra care should be taken when assembling the speed governor and any other protective device.
3. Follow national legislation with regard to waste disposal.
4. Every day prior to using machine, disconnect from air supply and pour one tablespoon of lubricating oil into rear of machine and operate at low speed to ensure lubrication of moving parts.
5. Disassemble and inspect air motor and governor assembly every three months if machine is used on a daily basis. Replace damaged or worn parts.

Cleaning

Keep the machine and air/water inlets clean at all times to ensure correct and safe working.

Repairs

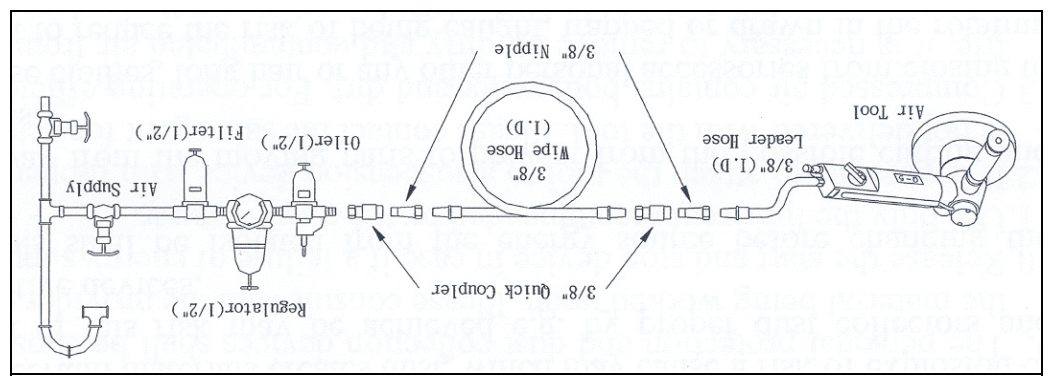
Repairs should only be carried out by trained personnel.

This machine is subject to partial change or modification without prior notice.

A copy of the manufacturer's CE Declaration is available on request.

Air Supply Requirements

1. Supply tool with 90 psi (6.2 bar) of clean, dry air. Higher pressure drastically reduces tool life.
2. Connect tool to air line using pipe, hose and fitting sizes shown in the diagram above.



Lubrication

3. Do not install a quick coupler directly into the tool throttle handle.
4. Water in the compressor tank will cause serious corrosion to your air tools and should be drained daily to avoid excessive water in your air supply. Dirty wet air will rapidly shorten the life of your air tool.
5. If you are using an air tool on a hose over 25 ft long it is advisable to increase the bore of the hose to the next larger size available, ie 1/4" increases to 3/8". This will ensure adequate pressure and volume of air to power the machine.