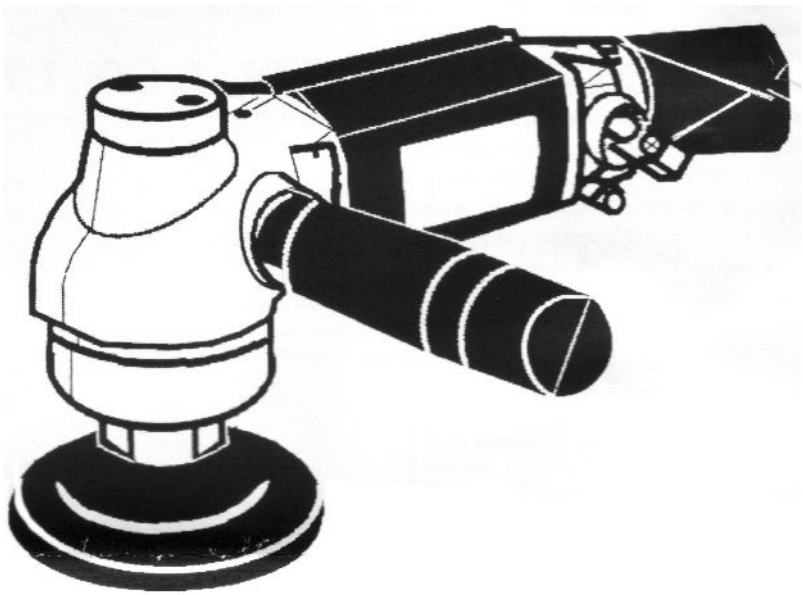
CE

SUMAKE®

PNEUMATIC TOOLS



Air Water Air Sander
(Rear Exhaust)
ST-77775

SPECYFICATION

Sanding Pad	(in.)	3 or 4
Free Speed	(rpm)	5,000
Net Weight	(kgs)	1.23
Air Inlet		1/4"
Air Hose	(I.D.)	3/8"
Overall Length	(mm)	234
Air Consumption	(cfm)	8

Test result according to prEN 792

Vibration ISO 8662-7 EN28662-8	**Noise** 8N-1	**Remark**
Load: <2.5 m/s^2	Sound pressure level 84 dB	Should wear an approved ear - protector and gloves while operating tool.

EC DECLARATION OF CONFORMITY FOR MACHINERY

Manufacturer: SUMAKE INDUSTRIAL CO.,LTD.

Address: 4F, NO. 351, YANGGUANG ST., NEIHU DISTRICT, TAIPEI CITY 114, TAIWAN

herewith declares that:

ST-77775
AIR WATER AIR SANDER (REAR EXHAUST)

- is in conformity with the provisions of the Machinery Directive (Directive 89/392/EEC), as amended, and with national implementing legislation:

-and have been tested according to prEN 792....(relevant part)

Taipei,Taiwan JAN / 21 / 2005

.....
Signature

MIKE SU
.....
Full name

FEATURES

- Rubber Sleeve
  Excellent material of rubber sleeve prevents slippery when operate the tool. The rubber sleeve will not oxidize when continuous operation and keep hands away from getting cold.

- Water Shroud
  Water shroud or Water guard for keeping off water prevent users wet their hands and effect occupational hazards. Fabricators can use water shroud or water guard depend on their needs. (Additional accessory)

- Handles
  Assemble it in right or left side of tool.

- Filling Oil from side handle
  Take off since handle and grease gear lubricating oil directly from the hole. Fabrications can maintain the machine themselves, save maintenance cost and extend duration of gear.

- Copper Water Regulator
  Copper water regulator is different from plastic one, and it will not be broken due to continuous operation or falling.

- Air regulator
  Air regulator enables users to adjust frequency of air to proper speed according to various needs of profiling.

- Safety Lever Throttle
  Avoid users to press the trigger and start the tool carelessly. Just release the safety lever and the tool will stop performing immediately. Lever throttle with safety lever and the tool will stop performing immediately. Lever throttle with safety trigger ensures safety while stop operating, positive speed control.

- Central Waterfeeding

There is a water exit with 3 holes on the spindle. A large amount of water will spurt from the holes when profiling slab. It creates high performance and reduce dust. Operations can disassemble the water exit and clean it if it is choked up.

STARTING TOOL

- Connect tool to air supply
- Connect Water Valve to water hose.
- Press the Safety Lever and adjust the Air Regulator to proper free speed.
- Adjust the Water Regulator to proper water flow.
- Read "Operating Manual" on next page before performing the tool.

Check the following items prior to operation.

- Make sure that work site is in order prior to polishing operations.
- Select and install a compressor with sufficient capacity for the recommended air consumption. Use of compressed air with water and oil may cause rusting and other problems. Before operating the compressor, drain out water and oil completely through the drain port provided at the bottom of the compressor tank.
- Check the operating air pressure. This polisher is designed for operation in the optimum air pressure at 90 PSI/6 BARS (Max. air pressure at 8.0 kgf/cm^2) Excessive air pressure levels can cause the polisher to run at excessively high r.p.m which may cause damage to the polisher. Only operate the polisher within the specified air pressure ranges.

Preparation Before Operation

WARNING!

Make the following preparations prior to commencement of operation. Complete items 1-5 from 'Starting Tool' chapter before connecting the air hose to the compressor.

- Attach the grip handle to the body.

- The polisher body, air hose, water hose and exhaust hose are shipped disconnected. Connect them according to the instructions below.
  - Connect the water hose first. Warm up the joints first by running hot water through the hose to facilitate the connection. (Take care to prevent accidental burns when using hot water)
  - Guide the air hose through the air hose nut and advance the end of the air hose onto the air hose joint. Tighten the nut onto the air hose joint securely. After the nut is tightened, make sure that the air hose can not be disconnected.
  - Attach the exhaust hose onto the end case and clamp it with the high grip provided.

- 3.Consider Environment, Health and Safety codes before use.. Take necessary measures to comply with local ordinances when operating the polisher.
  - The normal operating noise level of this polisher is below 84dB
  - The normal vibration level of this polisher is 2.5 m/s2

- Disc Set-Up

WARNING!

Prior to setting up the disc, turn off the air valve to prevent accidental start up.
Disconnect the air hose from the compressor as safety precaution

Disc setting sequence:

- Attach the backer pad or adapter to the spindle. Hand tighten using the spanner wrench provided.
- Attach the disc or polishing accessory.
- To remove, follow the reverse sequence.

- Check the switch function.

  Grip the body while holding the switch lock forward. Then push the switch lever down to turn the tool "on". The switch will shut off automatically when the lever is released. Turn the air regulator valve for air flow control from zero to max.

- Check the switch "off"

  Make sure that the switch is off prior to connecting the air hose. If the switch is on, this may cause accidental start up. Make sure that the switch is off whenever this tool is on a work bench or resting on other surfaces.

- Connection of the air hose from the compressor to the tool.

  - Check the air hose connection plug for small stone particles and dust. Foreign Object Damage (FOD) can be caused by these small stone particles if they get into the tool.
  - Prior to connecting the air hose, make sure that is not damaged and the connecting joint is tightly clamped. Connect the air hose to the compressor and the tool and make sure they are secure.

- Test Run

CAUTION

- Prior to switching on, make sure that the tool is not in contact with the work piece.
- When switching on, the operator should be positioned away from the exposed portion of the disc.

Before polishing, perform a test run with the polisher. Take care to ensure that no one is in the immediate area during the test run. During the test run, make sure that the polisher is running normally and that the disc is properly set.

Test Run Times

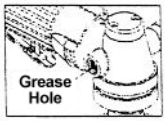
- Disc Changes.....more then 3 minutes
- Start of Operations.....1-2 minutes

WARNING!

- Turn the switch off whenever polishing operations are interrupted, discs are changed, after completion of polishing, and when the air hose is to be disconnected.
- Use protective glasses while polishing.
- Handle your polisher with care. Improper contact with other materials may cause damage to the disc or to the polisher.
  Continuing polisher operations with cracked or damaged discs is hazardous and could result in physical injury. If the polisher is dropped, perform a test run before resuming operation. Make sure that the tool is working properly before continuing.

SAFETY RULES

- Read all instructions before using this machine. All operated must be fully trained in its use and aware of these safety rules.
- Also lubricate the tool after performance.



- Before operating the tool, pour 20cc suitable motor lubricating oil into Air Inlet. Run the tool for few seconds to allow air to circulate the oil and well lubricate the cylinder. This will ensure top performance and maximum durability of tool.
- When starting the sander without pad, it exhausts air too soon to cool the internal parts and generates hear. Always install pad when performing the sander. The sander can be performed without pad when lubricating the cylinder.
- Supply tool with 90psi (6.3kg/cm^2) of clean and dry air. Higher pressure raises performance beyond the rated capacity of the tool will shorten the tool's life because of faster wear and could cause injury.
- Unscrew L-handle Screw and grease every week for extending durability of gear.
- If the machine appears to malfunction remove from use immediately and arrange for service and repair.