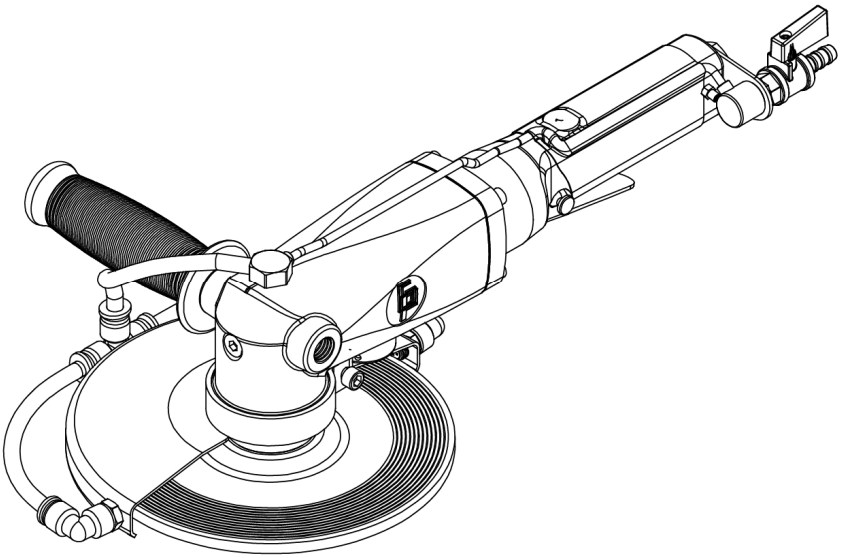
GISON

# GPW-216C

# WET AIR CUTTING SAW

# INSTRUCTION MANUAL



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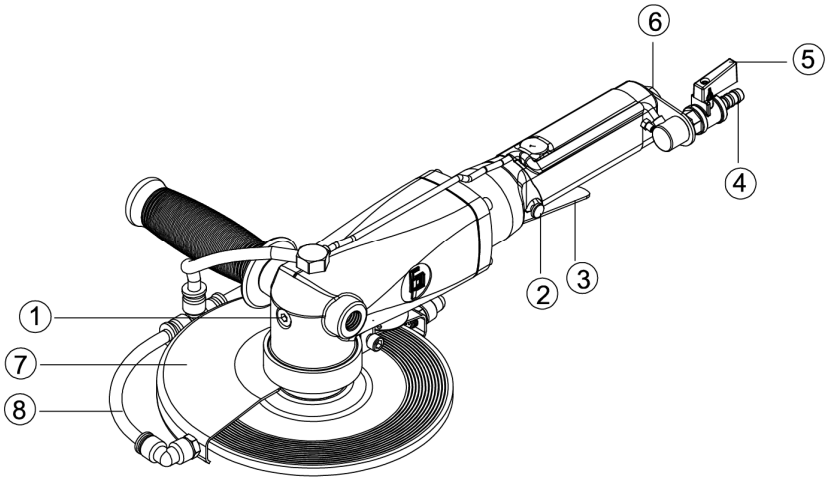
# Features




### ① Spindle Oil Hole

Loosen the screw in counter clockwise direction with a 5mm hex. spanner and lubricating the gear set with oil directly from the hole. Fabricators can maintain the machine themselves, save maintenance coset and extend duration of gear.

### ② Safe Lever Knob

Before operating the tool, users need to press the knob to unlock the lever. Such device is designed to keep users away from danger for unintentional press of the lever.

### ③ Lever

Press the lever to start the tool. Just release the lever and the tool will stop performing immediately.

### ④ Water Valve

Connecting water hose to this area to bring the waterfed function to the tool while operating on materials easy to come up with dusts.

### ⑤ Water Regulator

Water regulator enables users to adjust frequency of water to proper speed according to various needs of profiling.

### ⑥ Air Inlet Adaptor

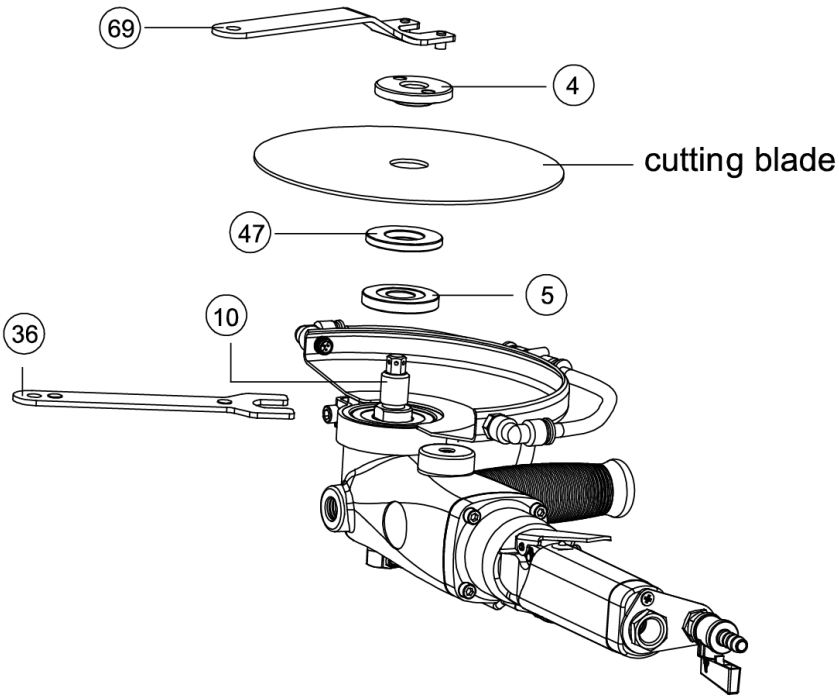
Connecting the tool to air hose with suggested proper air supply.

### ⑦ Metal Cover

Protect users from getting hure when small particles pop up.

⑧ **PU Hose (87)** for extend the amount of water exit.

# Cutting Blade Installation




① **Installation：**

Use Stop Spanner(36) to fix the Gear Shaft(10) then use Disc Spanner(69) to fasten Disc Nut(4) by clockwise to make cutting blade be installed properly.

② **Replace：**

Use Stop Spanner(36) to fix the Gear Shaft(10) then use Disc Spanner(69) to loosen Disc Nut(4) by anti-clockwise for replace cutting blade accordingly.

# Important Safety Instruction

Read all instructions before using this tool. All operators must be fully trained in its use and aware of safety rules.

### 1) Maintenance

- Oil **3**cc lubricant **(SAE #10 or equivalence)** through air inlet before connecting the product to the air. Run the tool **15 seconds** to allow air circulating the oil and well lubricate the cylinder. This will ensure top performance and maximize durability of tool.
- Oil **3cc** lubricant through air inlet after use and run the tool **5 seconds** before storage.
- Clear & dry air allows the product perform at its best and extends the product life. A Filter/ Regulator/Lubricator set is highly recommended.
- If the tool is in unusual condition, shut it off and disconnect its air hose immediately. Put a warning sign on the product until it gets repaired.
- Product repairing needs professional training and tool. Do not attempt to disassemble the product or it might be damaged.

### 2) User

- The user must be well trained and physically able to operate the product and aware of safety regulation.
- Use personal safety equipment such as goggle, earmuffs, mask & apron.
- Maintain a balanced body position and secure distance. Do not wear jewelry or loose clothing. Helmet is required if you wear long hair.

### 3) Compressed Air

- Do not operate the product with excess air pressure; standard air pressure is 90 psi (6.2 bar or 6.3kg/cm$^2$).
- Always shut off air supply, drain hose of air pressure and disconnect product from air supply before changing accessories, making repairs or when the tool is not in use.
- Never direct air or product at yourself or anyone else.
- Whipping hose can be extremely dangerous and causes serious injury. Always check for damaged or loose hoses and fittings.

### 4) Product

- Do not adapt the product for other purpose; it might harm the product and the user.
- Do not adapt or remove the switch, level or any other component of the product; it might result in malfunctioning and harm the user.
- Do not use quick connect coupling on the product directly; use it only on the hose end.
- The product is not insulator; keep away from electricity.

### 5) Accessories

- Please use proper accessories, improper or unqualified accessories may damage the product, deteriorate performance and do harm to user.
- When replacing the accessories, use the tool attached with the product. Improper tool or incorrect ways of handling the tool (such as strike) may damage it.

### 6) Workplace

- Slip, trip & fall are major causes of serious injury or death; be aware of excess hose left on the walking or working surface.

Workpiece must be fixed firmly; always keep no miscellaneous objects that could interfere with the operation.

# Before Operation

## Check the followings first:

1. Make sure the workplace is suitable to perform cutting work.
2. Verify if the capacity of air compressor could provide sufficient airflow rate for the tool.
3. Drain the water in compressor tank; fill the lubricator with oil (SAE#10 or equivalence) and make sure no rust or problem found in the compressor.
4. Check and adjust the operating pressure of compressed air; the best work pressure is 90 psi (6.2 bar or 6.3kg/cm$^2$); excess air pressure may result in over-speed hazard.

## Preparing Connections:

| ⚠ WARNING | **Make sure the following procedures have been complied with respective instruction before operation** |
|---|---|

1. Workplace for operating cutting saw must comply with related safety & health regulation.
2. Connect tool to the air hose, water hose and air exhausting hose as the following steps:
   2-1 Connect water hose to water inlet: dip the hose end (about 3 cm long) in 95-100ºC hot water for 10 seconds to soften the hose end; this could facilitate the hose to be easier connected to the water inlet. Be careful not to scald by the hot water.
   2-2 Make sure the air hose have been properly connected to air inlet of tool.

3. Connect air hose to air inlet:
   3-1 Remove any dust or particle found in the air hose and adapters to prevent from feeding particles into the tool and result in possible damage.
   3-2 Verify if the adapters are firmly secured on the hose; connect the hose between air compressor and tool.

## Prepare the First Cutting :

- To prevent from any possible injury to the user or damage the workpiece, always keep the cutting blade away from workpiece before opening the trigger.
- Make sure the operators keep in a safety distance from the cutting blade before feeding the air to the tool.
- Always disconnect the air hose adapter before changing the cutting blade, repairing the tool or when the tool is not in use.
- Use personal safety equipment such as goggle, earmuffs, mask & apron in work.
- Choose proper cutting blade for different material of the workpiece.
- Never use a cutting blade marked with a speed lower than rating speed of tool.
- Never use a broekn or damaged cutting blade.
- If the tool drops by accident, check and verify carefully to make sure the tool works normally before proceeding your work.