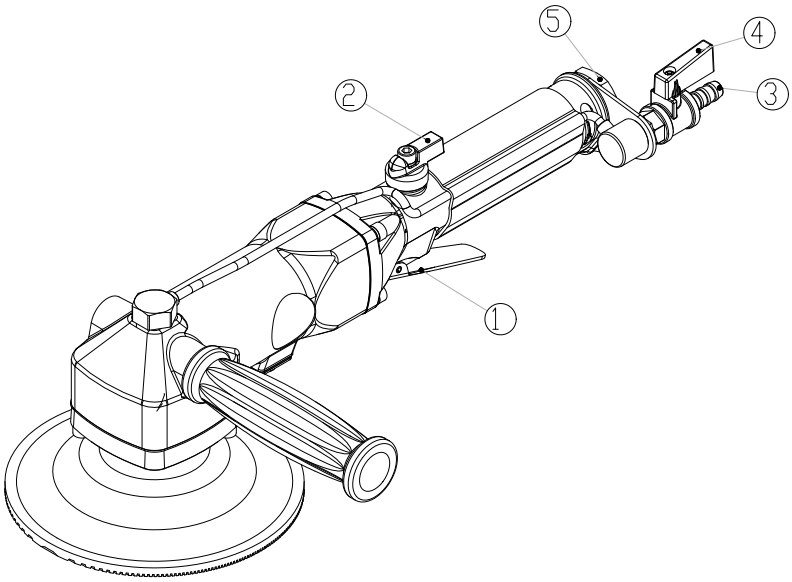
GISON Machinery Co., Ltd.

GPW-211 / 212 Wet Air Sander / Polisher

Features



① Lever
Users press or release the lever to start or stop the tools.

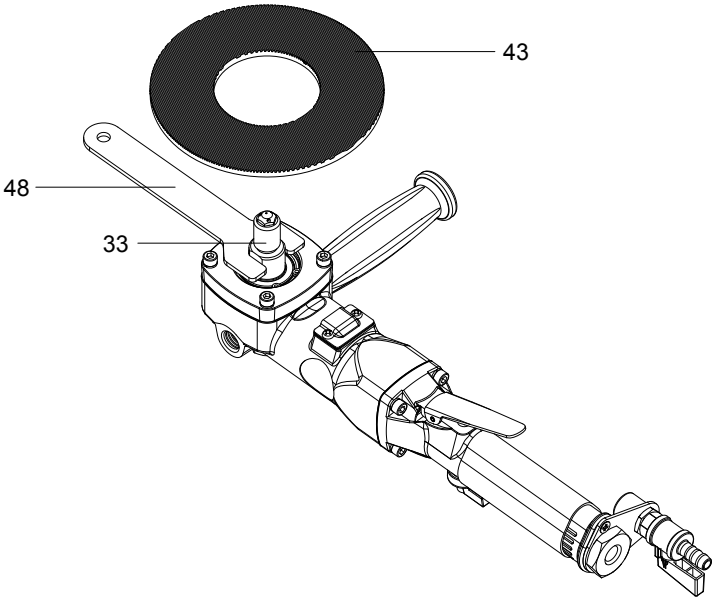
② Air Regulator
Users control the speed of the tool by adjusting the shifting knob left or right to allow the air flow througugh the air passage according to various needs of profiling.

③ Water Hose Valve
Connecting a water hose to the valve to bring waterfedfunction to the tool.

④ Water Regulator
Water regulator enables users to adjust frequency of water to proper speed according to various needs of profiling.

⑤ Air Inlet Valve
Connecting the tool to air hose with suggested proper air supply.

Pad Installation



① **Installation：**

Dovetail the stop spanner（48）to fix the shaft（33）, and turn it in counter clockwise direction to loose the pad（43）.

② **Replace：**

Dovetail the stop spanner（48）to fix the shaft, and turn it in counter clockwise direction to loose the pad（43）.

Operation Manual

Check the following items prior to operation.

- **Working Environment**
  Make sure that the work site is in order prior to polishing operations.
- **Air Supply Quality**
  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 the water and oil completely through the drain port provided at the bottom of the compressor tank .
- **The Operating Air Pressure**
  This sander is designed for operation in the optimum air pressure at 90 PSI/6 BARS（Max. air pressure at 8.0 kgf/cm²）. Excessive air pressure levels can cause the

sander to run at excessively high r.p.m. and may cause harm to the operators. Only operating this sander within the specified air pressure ranges.

- **The Air Regulator Function**

Grip the body while press the lever. Then switch the air regulator to turn the tool ”on”. For faster r.p.m, turn the air regulator valve for air flow control from zero to max.

- **Conncetion 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.

(1) Prior to connecting the air hose, make sure that it 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 air secure.

- **Test Run**

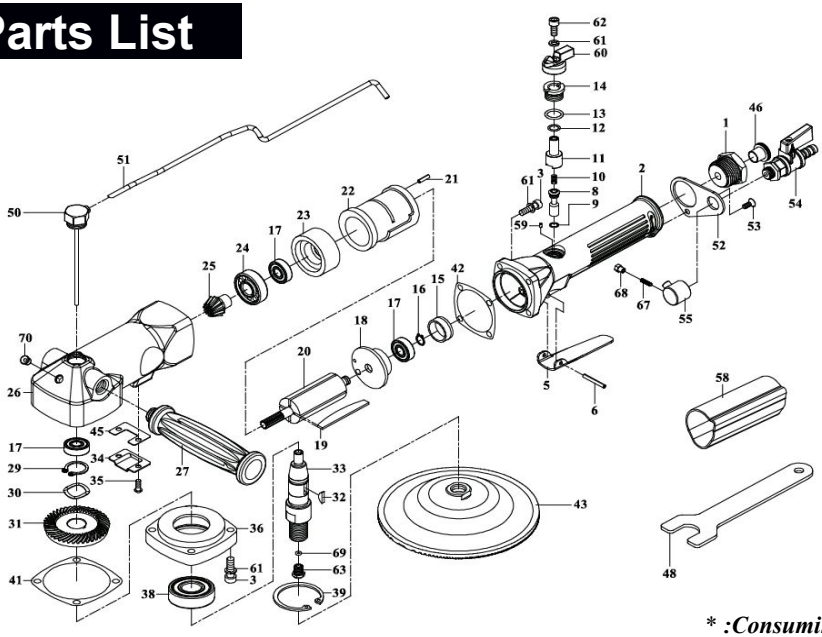
CAUTION
● Prior to switching on, make sure that the tool is not in contact with the work piece. This may damage the work piece or cause personal injury. ● When switching on, the operator should be positioned away from the exposed portion of the disc.

Before polishing, perform a test run with the sander. Take care to ensure that no one is in the immediate area during the test run.

During the test run, make sure that the tool is running normally and that the pad disc is properly set.

WARNING
● Turn the air regulator off and release the lever whenever operations are interrupted, discs are changed, after completion of polishing, and when the air hose is to be disconnected. ● Handle your sander with care. Improper contact with other materials may cause damage to the disc or to the sander. Continuing polishing 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.

Parts List



**** :Consuming Part***

No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
1	829001	Hose Adapter	1	32	KR002	Key	1
2	829002WR	Valve Body	1	33	829033W	Gear Shaft (5/8")	1
3	CAP037	Cap Screw	8		829033WA	Gear Shaft (M14)	
5	829005	Throttle Lever	1		829033WB	Gear Shaft (M16)	
6	SP026	Spring Pin	1	34	829034	Exhaust Deflector	1
8	829008	Valve Stem	1	35	TP4X8	Screw	2
9	OR034	O-Ring	1	36	829036	Housing Cap	1
10	S023	Spring	1	*38	B6203LLU	Ball Bearing	1
11	829011WR	Air Regulator	1	39	R40	Retaining Ring	1
12	OR030	O-Ring	1	*41	829041	Gasket	1
13	OR021	O-Ring	1	*42	829042	Gasket	1
14	829014	Valve Screw	1	43	933059	Pad	1
15	829015	Bearing Rubber Cap	1	45	829045	Gasket	1
16	C8	Retaining Ring	1	46	829046	Plastic Cover	1
*17	B608LLU	Ball Bearing	3	48	829048	Stop spanner	1
18	829018	Rear Plate	1	50	211001A	Water Inlet Transfer Post w/brass tube	1
* 19	829019	Rotor Blade	4	51	829056CW	Pipe	1
* 20	829020	Rotor (GPW-211)	1	52	829054W	Fixed Plate	1
	830020	Rotor (GPW-212)		53	MC002	Screw	1
21	SP025	Spring Pin	1	54	829058CW	Water Valve	1
22	829022GH	Cylinder	1	55	911045W	Brass Cover	1
23	829023	Front Plate	1	58	829003W	Plastic Sleeve	1
* 24	B6201LLU	Ball Bearing	1	59	SP034	Sprint Pin	1
* 25	829025	Pinion Gear (GPW-211)	1	60	829057WR	Shifting Knob	1
	830025	Pinion Gear (GPW-212)		61	SPW5	Spring Washer	9
26	829026A	Motor Housing	1	62	CAP005	Cap Screw	1
27	829027	Dead Handle	1	63	829055W	Water Exit	1
29	C17	Retaining Ring	1	67	MS019	Set Screw(M3x12L)	1
30	WW17	Wave Washer	1	68	911051W	Nut	1
*31	829031	Bevel Gear (GPW-211)	1	69	OR052	O-Ring	1
	830031	Bevel Gear (GPW-212)		70	829026E	Grease Hole	1

※ If you need to order parts, please mark both **Parts No.** and **Description**. http://www.gison.com.tw