

Pro**Meister**

# User Guide

Produced in Taiwan for Bileko

**Bileko**

P.O. Box 542

S-645 25 Strängnäs,

Sweden

Tel: +46 771 72 00 00

[www.promeister.com](http://www.promeister.com)



## Air Tools

Luftwerkzeuge

Tryckluftsverktyg

Trykkluftsværktøy

Trykkluftværktøj

Paineilmatyökalut

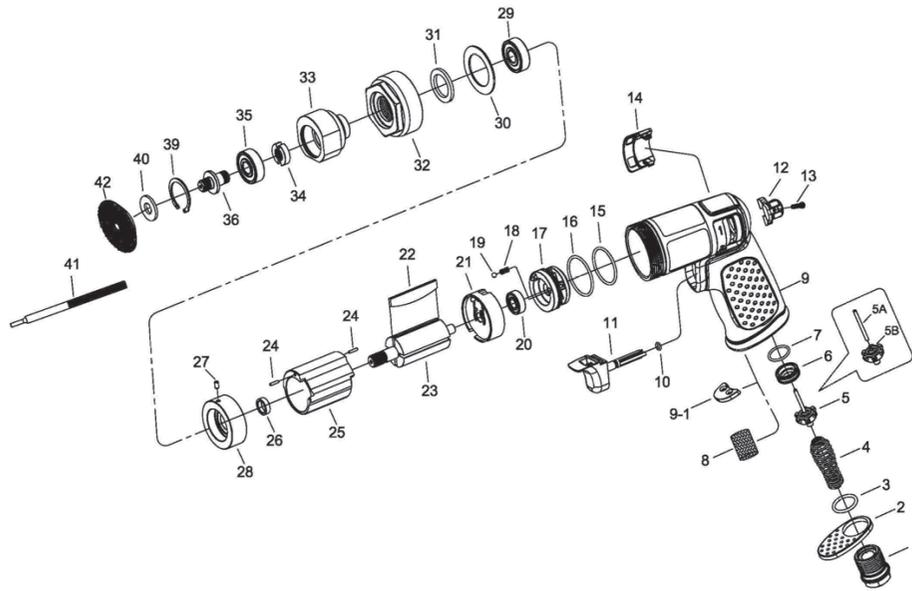
Art. Nr: PT6610

RVNR-02

# Product Specifications

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

## 3" HEAVY DUTY COMPOSITE MINI ORBITAL AIR SANDER



INDEX NO.	DESCRIPTION	REQ'D QTY.	INDEX NO.	DESCRIPTION	REQ'D QTY.
1	Air Inlet	1	20	Ball Bearing	1
2	Exhaust Deflector	1	21	Rear End Plate	1
3	O-Ring	1	22	Rotor Blade	4
4	Spring	1	23	Rotor	1
★ 5	Throttle Valve Assembly {incl. 5A, 5B}	1	24	Spring Pin	2
● 5A	Throttle Valve Pin	1	25	Cylinder	1
● 5B	Throttle Valve	1	26	Spacer	1
6	Throttle Valve Seat	1	27	Spring Pin	1
7	O-Ring	1	28	Front End Plate	1
8	Muffler Element	1	29	Ball Bearing	1
9	Motor Housing	1	30	Frame Washer	1
9-1	Muffler	1	31	Felt Ring	1
10	O-Ring	1	32	Clamp Nut	1
11	Trigger	1	33	Crank Shaft	1
12	Reverse Knob	1	34	Random Shaft Nut	1
13	Screw	1	35	Ball Bearing	1
14	Reverse Plate	1	36	Spindle	1
15	O-Ring	1	39	Retainer	1
16	O-Ring	1	40	Washer	1
17	Reverse Valve	1	41	Bar Spanner	1
18	Spring	1	42	3" Pad	1
19	Street Ball	1	TK	Tune-Up Kit {incl. 3, 4, 7, 10, 15, 16, 18, 19, 22 (4)}	

★ Must be Purchased in Assembly Set  
● Recommended not to be purchased alone due to assembly difficulty

## EC Declaration of Conformity

We, *Bileko Car Parts AB*  
P.O. Box 542,  
S-645 25 Strängnäs,  
Sweden

Herewith declare that the following machine complies with the appropriate basic safety and health requirements of the EC Directive based on its design and type, as brought into circulation by us.

In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity:

Description: *Heavy Duty Composite Mini Orbital Air Sander*

Type: *Art nr: PT6610*

Applicable EC Directives: *EC Machinery Safety Directives (2006/42/EC)*

Applicable Harmonized Standards: *ISO 12100 (Risk Assessment & Risk Reduction)*  
*ISO 11148-8 (Safety Requirements)*  
*ISO 15744 (Noise Level)*  
*ISO 28927-3 (Vibration Level)*

Date / Authorized Signature: *2018-05-15* 

Title of Signatory: *Tobias Peter Narvinger*  
*Chief Purchasing Officer*



## Warning

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

- Extended exposure to vibration caused the injury.
- The power tools shall not be operating in explosive atmospheres unless it is specially designed for this purpose.
- Disconnecting the air hose before changing or adjusting any inserted tools.
- Before operating the instrument. Be sure of all couplings and plugs are tightly secured.
- Be aware of the danger of crushing by torque between a reaction bar and the working piece.
- Avoid any loose baggy clothing, long hair or any other personal accessories that too close to the moving part to minimum the risk of being caught, trapped or drawn down into rotating devices.
- Make sure to use impact-quality sockets or accessories only.  
When use of hand tool, the crack of hand sockets will reduce the torque of air tools and may cause the serious injury.
- Never in contact the trigger when connecting the air supply hose.
- Never point an air tool at oneself or any other person. It could cause a serious injury.
- Any unexpected high pressure which exceed the maximum pressure could cause the injury to the user.
- To keep body stance balanced and firm, it is always wear safety gloves to minimum the risk of crushing which caused by torque between handle and work piece.
- Be sure of the rotating direction before operating the instrument to minimum the hazardous situation for any unexpected rotating direction.
- During the operating of the tool, always keep the body and particularly the hands away from the reaction bar. Keep hands away from the nut runner socket.
- Always wear eye and face protection devices could prevent the danger to the person from high speed splinters being emitted from the tool in cause of inserted tool malfunction.
- Always put breathing protection device could avoid any inhaling dust or handling debris during work that could be harmful to the health.
- Always put hearing protection during operation. High sound level can cause permanent hearing loss.
- Never operate the tool after work, it may cause the attachment of to the instrument thrown out from the tool to cause serious injury .
- Be sure of the working environment is clear enough that to perform the work safely. Any unexpected slip, trip and fall are the major reason of serious injury.  
Especially be aware of excess hose left on the working or work surface. Be aware of the whipping compressed air hose.
- Never attempt to modify the instrument for other uses.
- The power tool is not electronically insulated for coming into contact with electric power source.
- Keep the power tools away from the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

## Operation Guides

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

- TIPS FOR USE  
(Safety Regulations while using ProMeister brand air tools)

### 1.1. AIR PRESSURE

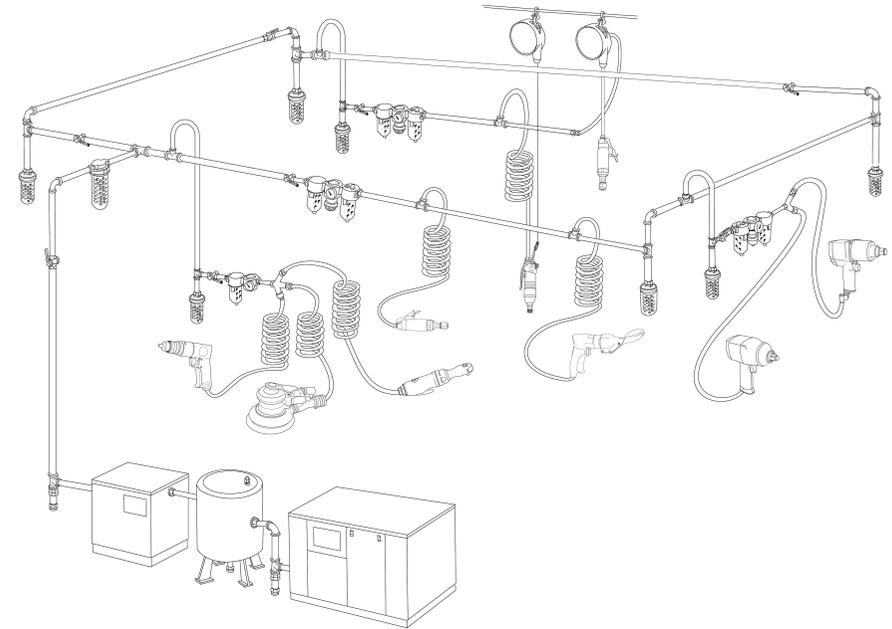
Always use the clean and dry air to operate the tool at 90 psi (6.2 bar) & do not operate exceed maximum working air pressure at 90 psi (6.2 bar) as recommended.

### 1.2. AIR LINE

Use a fitting air hose for connection between the compressor & tools. The compressed air is cooled and its water content would be sorted when the air blow out from the compressor. Part of the water could be compressed in the pipe and could permeate into the tool's mechanism to cause mechanical failures. It would be strongly recommended to install an air filter, moisture separator, regulator and lubricator among the air supply and the air tools.

### 1.3. AIR HOSE

Before connecting the hose to air tools, please clean firstly the hoses with a blowout of compressed air. This will prevent both moisture and dust contented within the hose from entering the tools and causing the possible rust and malfunction.



Art. Nr	PAD SIZE		SPINDLE THREAD	FREE SPEED	ORBITAL DIAMETER	OVERALL LENGTH		AIR INLET	AIR HOSE I.D.	AVERAGE AIR CONSUMPTION		NET WEIGHT	
	inch	mm	inch	rpm	mm	inch	mm	inch	inch	cfm	L/min	lb	kg
PT6610	3	76	5/16-24	15,000	1.5	4.9	124	1/4	3/8	2.1	59	1.28	0.58

Sound				Vib.	
Pressure	Power	Pressure	K	M/S <sup>2</sup>	K
db(A)	db(A)	db(C)	(DB)		
82.5	93.5	102	3	4.89	1.0

## Operation Guides



Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

2. **INSERTER TOOLS**  
Any other use is prohibited. In addition, use only abrasive product which are in good condition and are intended for use with power tools. Before each use check abrasive product for condition. If worn or damaged replace immediately.
3. **PERSONAL PROTECTING DEVICES**  
It is necessary to wear a approved eye and hearing protector, mouth-muffle and safety gloves when operating the tools.
4. **WHEN OPERATING THE TOOL**  
Choose a fixed footing position to grip the tool sufficiently to overcome any incoming reaction forces that may occurred from the tool during operation. Do not over grip the tool.
5. If the tool is to be used with a balancer or other suspension devise ensure that the tool is firmly attached to the suspension/support device.
6. To turn off the air supply to the tool and press the on/off valve to exhaust the air from the feed hose before installing, removing or adjusting any accessory on this tool.
7. Be aware of entanglement of the moving parts of he tool with clothing neckties, long hair, jewelry, watches and etc. This could cause the body or parts of the body to be drawn toward and in contact with the moving parts and may be very dangerous.
8. Be aware of the exhaust air does not point toward to any other person or material that could be contaminated by oil droplets.
9. This tool is not electrically insulated Never use the tool if there is any opportunity or any coming into contact with live electricity.
10. Do not lay down the tool until the working attachment has stopped moving completely.
11. The working places shall keep ventilating.
12. If any air supply break down then relieve the on-off device.
13. Use only the lubricant which recommended by the original manufacturer.
14. It is possible to attach a second handle on the tool to fix the tool to a suspension device, even if it is not delivered with tool. Please contact the sale agent for details.

## Operational Methods

1. The on/off device is designed inside or outside of the grip. It is a "plug-and-run" type device. This tool will stop operation/rotation in a few seconds after relieving the level control.
2. Use accessories recommended by ProMeister. To use the accessories other than recommended by ProMeister may cause safety risk, decrease of tool performance.
3. The speed set up device is indicated by an arrow mark and intergraded with an indication either marked by "H"(high) and "L"(low) or by "+"(high) and "-"(low), rotating the knob to desired speed.
4. The polishers and sanders shall not be used along with grinding wheels or cutting off tools.
5. Ensure the maximum operating speed of the abrasive pad is higher than the

## Maintenance



Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

1. **LUBRICATION**  
Before connecting the air hose, it should apply 4 to 5 drops of #60 spindle oil at air inlet. The repeat oiling after 3 to 4 hours operation will be necessary.
2. **FASTENING OF PARTS**  
Do the regular check if all the connecting parts are fastened securely properly. It is necessary to go through this check daily before starting your work.
3. **CLEANNESS**  
Dusty and oiling surface on the handle will infected the grip which caused to the reaction torque. Clean the handle with dry clothing is strongly recommended before operation this tool.
4. **STORAGE**  
Put the tool in dry and clean environment. If the tool shall not to be used for a period of time, the residual moisture inside of the instrument could cause the rust. Before storing, oil the instrument at air inlet with spindle oil and operate it for a short period is strongly recommended.

## Repairs

Do make use of the spare parts for all the maintenance and repairing job.  
Do not invent or make any unnecessary temporary repairs. Major service of maintenance and repairs should be only carried out by well-trained persons or ProMeister of its own authorized service representatives.  
Make sure the free speed after each service.

## Disposal

Following is the national legislation of waste disposal. Never dispose of the air tool into fire. Separate collection!! This product must not be disposed with normal household waste.

## Warranty

All of ProMeister serial pneumatic tools are provided with complete after service and product warranty to the product that Bileko Car Parts AB which were produced in Taiwan.  
ProMeister professional air tools, unless otherwise specified are unconditionally guaranteed against defects in materials and workmanship for the life of tool, excluding any other inappropriate operation, modification or repair.  
ProMeister will repair or replace the tool that fails to give satisfaction service on the condition that tool has not been abused or modified and that it is returned to authorized warranty ProMeister dealer.  
If there is a defective product claim of ProMeister, please contact the ProMeister's authorized sales/service representatives.

