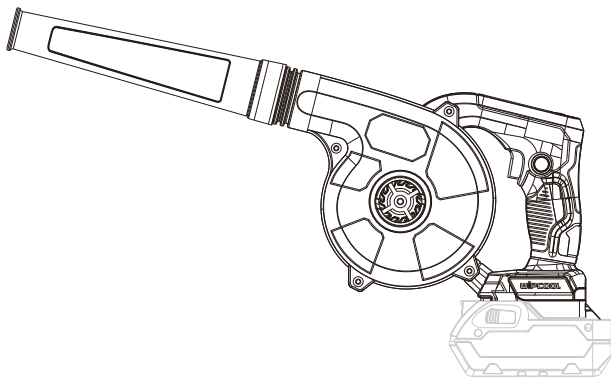


# WIPCOOL<sup>®</sup>

IDEAL PRODUCTS FOR HVAC



(Battery not included)

## BV100B

### Cordless Blow-Vac Cleaner

-Operation Manual-

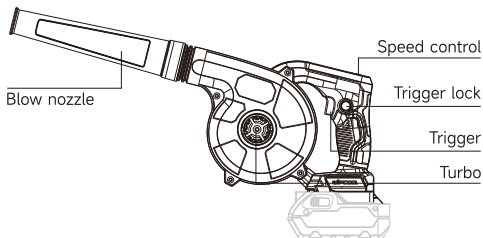
## 1. Notices Before Usage

- Thank you for buying WIPCOOL Cordless Blow-Vac Cleaner, we are dedicated to providing you with high quality products.
- Please check if your ordered product is in good shipment condition with the correct accessories, any damage during transportation, please contact us or the local distributors in time.
- This manual gives instructions on the correct operation, it's important that you follow this instructions carefully.
- If there is any change in the product (including the specification), we won't inform you any more.

## 2. Product Intended Usage

The BV100V Cordless Blow-Vac Cleaner applied the high-efficiency brushless motor which has higher performance and longer motor life, provides the ability to clear debris with an air volume of up to 100CFM and up to 80 meters per minute with the concentrator nozzle. It is ideal for blowing dry the remained water on the coils after cleaning the air conditioner.

## 3. Product Description



## 4. Technical Data

Model:	BV100B	Max Sealed Suction:	5.8 kPa
Voltage:	18V(AEG/RIDGID interface)	No load speed (rpm):	0-18,000
Air volume:	100CFM(2.8 m <sup>3</sup> /min)	Blowing Force:	3.1N
Max Air Velocity:	80 m/s	Packing:	Carton: 5pcs

### Accessories



Extension pipe



Garbage bag



Tool bag

## 5. Pre-Operation Safety Instructions

### WARNING:

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

### Training

1. Read the instructions carefully. Be familiar with the controls and the correct use of the machine.
2. Never allow children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the machine. Local regulations may restrict the age of the operator.
3. Never operate the machine while people, especially children, or pets are nearby.
4. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

### Preparation

1. Always wear substantial footwear and long trousers while operating the machine.
2. Do not wear loose clothing or jewellery that can be drawn into the air inlet. Keep long hair away from the air inlets.
3. Always wear protective goggles to protect your eyes from injury when using power tools. The goggles must comply with ANSI Z87.1 in the USA, EN 166 in Europe, or AS/NZS 1336 in Australia/New Zealand. In Australia/New Zealand, it is legally required to wear a face shield to protect your face, too. It is an employer's responsibility to enforce the use of appropriate safety protective equipments by the tool operators and by other persons in the immediate working area.
4. To prevent dust irritation the wearing of a face mask is recommended.
5. While operating the machine, always wear non-slip and protective footwear. Non-skid, closed-toed safety boots and shoes will reduce the risk of injury.
6. Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

### Operation

1. Switch off the machine and remove the battery cartridge and make sure that all moving parts have come to a complete stop.
  - whenever you leave the machine.
  - before clearing blockages.
  - before checking, cleaning or working on the machine.
  - if the machine starts to vibrate abnormally.
  - whenever you convert the machine from blower to vacuum, and vice versa.
2. Operate the machine only in daylight or in good artificial light.
3. Do not overreach and keep proper balance and footing at all times.
4. Always be sure of your footing on slopes.
5. Walk, never run.
6. Keep all cooling air inlets clear of debris.
7. Never blow debris in the direction of bystanders.

8. Operate the machine in a recommended position and on a firm surface.
9. Do not operate the machine at high places.
10. Never point the nozzle at anyone in the vicinity when using the machine.
11. Never block suction inlet and/or blower outlet.
  - Be careful not to block suction inlet or blower outlet with dust or dirt when operating in dusty area.
  - Do not use nozzles other than the nozzles provided by WIPCOOL.
  - Do not use the blower to inflate balls, rubber boat or the similar.
12. Do not operate the machine near open window, etc.
13. Operating the machine only at reasonable hours is recommended - not early in the morning or late at night when people might be disturbed.
14. Using rakes and brooms to loosen debris before blowing is recommended.
15. If the machine strikes any foreign objects or should start making any unusual noise or vibration, immediately switch off the machine to stop it. Remove the battery cartridge from the machine and inspect the machine for damage before restarting and operating the machine. If the machine is damaged, ask WIPCOOL Authorized Service Centers for repair.
16. Do not insert fingers or other objects into suction inlet or blower outlet.
17. Prevent unintentional starting. Ensure the switch is in the off-position before inserting battery cartridge, picking up or carrying the machine. Carrying the machine with your finger on the switch or energizing the machine that has the switch on invites accidents.
18. Never blow or vacuum dangerous materials, such as nails, fragments of glass, or blades.
19. Do not operate the machine near flammable materials.
20. Avoid operating the machine for a long time in low temperature environment.

## 6. Set-Up and Operation

### ASSEMBLY

#### CAUTION:

Always be sure that the machine is switched off and the battery cartridge is removed before carrying out any work on the machine.

### ASSEMBLY FOR BLOWING

#### Installing or removing the nozzle

Align the protrusions on the nozzle with the grooves on the main unit, then insert the nozzle into the main unit and then turn it to lock it into place.

To remove the nozzle, perform the installation procedure in reverse.

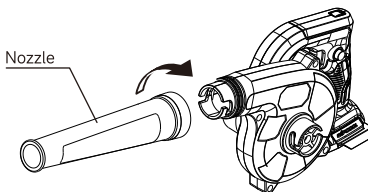
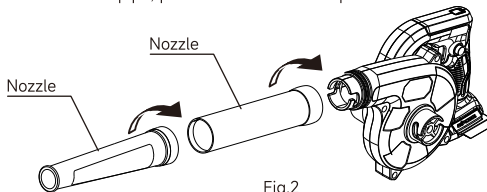


Fig.1

### Installing or removing the extension pipe

Install the extension pipe in the same way as the nozzle.

To remove the extension pipe, perform the installation procedure in reverse.

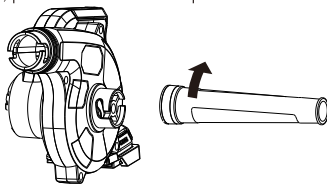


## ASSEMBLY FOR VACUUMING

### Installing or removing the nozzle

Align the protrusions on the nozzle with the grooves on the main unit, then insert the nozzle into the main unit, and then turn it to lock it into place.

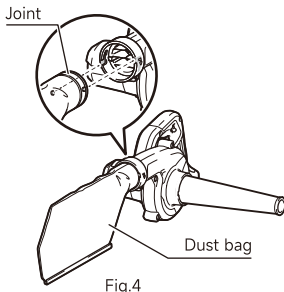
To remove the nozzle, perform the installation procedure in reverse.



### Installing or removing the dust bag

Align the protrusions on the joint of dust bag with the grooves on the main unit, then insert the joint into the main unit, and then turn it to lock it into place.

To remove the dust bag, perform the installation procedure in reverse.

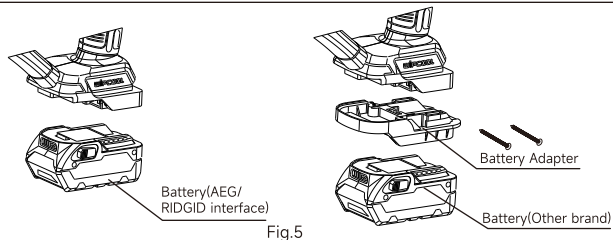


## INSTALLING OR REMOVING THE BATTERY

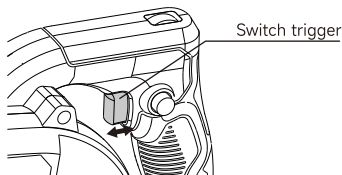
### Switch Action

#### **⚠ WARNING:**

Before installing the battery cartridge into the machine, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

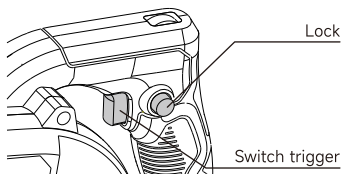


To start the machine, simply pull the switch trigger. The speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.



### Trigger Lock

The machine can keep working continuously without holding on the trigger, just long press the trigger and short press the lock at the same time, then free your finger.



The machine will stop working when short press the trigger switch, and the lock will be reset at the same time.

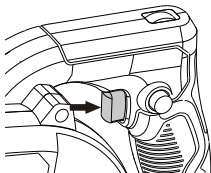


Fig.8

## SPEED ADJUSTING DIAL

### Speed adjusting dial

The speed can be changed by turning the speed adjusting dial to a given number setting from 1 to 6. Higher speed is obtained when the dial is turned in the direction of number 6. And lower speed is obtained when it is turned in the direction of number 1.

#### NOTICE:

When turning the dial, be sure to completely release the switch trigger. Otherwise, the machine may be damaged.

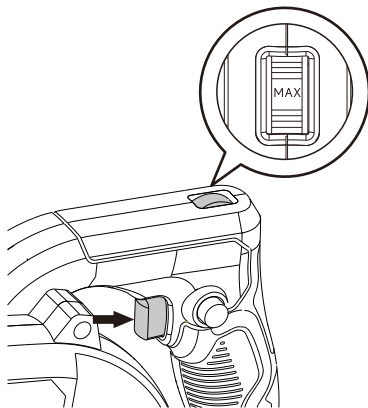


Fig.9

## 7. Operation

### ⚠ CAUTION:

Do not place the machine on the ground while it is switched on. Sand or dust may enter from suction inlet and cause a malfunction or personal injury.

### BLOWER OPERATION

#### ⚠ CAUTION:

When performing the blower operation, be sure to remove the dust bag from the machine, and attach the nozzle in place for blowing.

Hold the machine firmly with a hand and perform the blowing operation by moving it around slowly. When blowing around building, big stone or vehicle, direct the nozzle away from them. When performing an operation in a corner, start from the corner and then move to wide area.



Fig.10

### VACUUMING OPERATION

#### ⚠ CAUTION:

When performing the vacuuming operation, be sure to attach the dust bag and nozzle in place to the machine.

#### ⚠ CAUTION:

Check the dust bag frequently for wear or deterioration.

#### ⚠ CAUTION:

Always switch off the machine before opening or fastening the fastener of the dust bag.

#### ⚠ CAUTION:

When performing the blower operation, be sure to remove the dust bag from the machine, and attach the nozzle in place for blowing.

#### ⚠ CAUTION:

Do not allow wet materials, such as wet leaves, and foreign materials, such as large wood chips, metals, glass, pebbles, etc., to be sucked into the machine. Otherwise, a malfunction may occur.

Hold the machine with both hands. While operating the machine, adjust the switch trigger so that the suction force is appropriate for the work location and conditions.



Fig.11

## 8. Maintenance

### **⚠ CAUTION:**

Always be sure that the machine is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by WIPCOOL Authorized or Factory Service Centers, always using WIPCOOL replacement parts.

### Cleaning the machine

Clean the machine by wiping off dust with a dry cloth or one dipped in soapy water and wrung out.

### **⚠ CAUTION:**

Never use gasoline, benzene, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

Remove dust or dirt from the suction inlets.

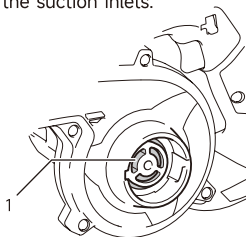


Fig.12

## 9. Troubleshooting

Before asking for repairs, conduct your own inspection first. If you find a problem that is not explained in the manual, do not attempt to dismantle the machine.

Instead, ask WIPCOOL Authorized Service Centers, always using WIPCOOL replacement parts for repairs.

State of abnormality	Probable cause (malfunction)	Remedy
Motor does not run.	Battery cartridge is not installed.	Install the battery cartridge.
	Battery problem (under voltage)	Recharge the battery. If recharging is not effective, replace battery.
	The drive system does not work correctly.	Ask your local authorized service center for repair.
Motor stops running after a little use.	Battery's charge level is low.	Recharge the battery. If recharging is not effective, replace battery.
	Overheating.	Stop using the machine to allow it to cool down.
The machine does not reach the maximum speed.	Battery is installed improperly.	Install the battery cartridge as described in this manual.
	Battery power is dropping.	Recharge the battery. If recharging is not effective, replace battery.
	The drive system does not work correctly.	Ask your local authorized service center for repair.
Abnormal vibration: ⇒ Stop the machine immediately!	The drive system does not work correctly.	Ask your local authorized service center for repair.
Motor cannot stop: ⇒ Remove the battery immediately!	Electric or electronic malfunction.	Remove the battery and ask your local authorized service center for repair.