

WIPCOOL[®]
FEELING FOR MORE

S1/S1.5/S2

1Stage Vacuum Pump
— OPERATION MANUAL —



CLEAR-
THE "HEART" IS BEATING

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1.NOTICE FOR USE

- Thank you for buying WIPCOOL S series vacuum pump, we are dedicated to providing you with high quality products.
- Please check if your ordered goods in good shipment condition,with the correct accessories, any damage during transportation,please contact us or the local distributors in time if you find any problems.
- If there is any change in the product (including the specification), we won't inform any more.

WARNING

To ensure the long-term stability of the product, please read this manual carefully before you install, transport, repair or maintain in order to fully understand the safety issues, the technical parameters and operation methods of the pump, etc.

2.CAUTION

WARNING

- ① S series vacuum pump are strictly prohibited from extracting flammable, explosive and toxic gases, and are strictly prohibited from working in environments with flammable gases (such as R32 ,R600a, etc.).
- ② Do not extract gases that are corrosive or chemically react with pump oil.
- ③ The temperature of the inhaled gas shall not be higher than 80 °C, and the allowable ambient temperature shall be 0 °C~ 50 °C.
- ④ Don't operate the pump without oil or short of oil.
- ⑤ Do not use in the rain, water enters into the machine will easily trigger electric shock.

3.PRODUCT INTRODUCTION

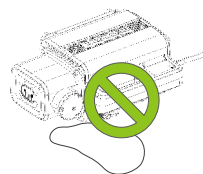
3.1 Product Overview

WIPCOOL S series rotary vane vacuum pumps are the basic tools for generating vacuum in sealed containers. They are suitable for refrigeration equipment, printing equipment, medical instruments, vacuum packaging, gas analysis, thermoplastic molding and other industrial products.

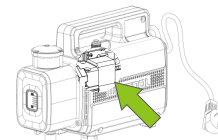
3.2 Technical data

Model	S1	S1.5	S2
Description	1Stage Vacuum Pump		
Suitable for refrigerants	R404A,R407A,R134a,R12,R22,etc		
Voltage	230V~/50-60Hz or 115V~/60Hz		
Ultimate Vacuum	150Microns		
Input power	1/4HP	1/4HP	1/3HP
Flow rate(Max)	2CFM(57L/min)	3CFM(85L/min)	4CFM(113L/min)
Oil capacity	230ml	210ml	200ml
Dimensions	266*121*194		
Net Weight	3.3kgs	3.4kgs	3.6kgs

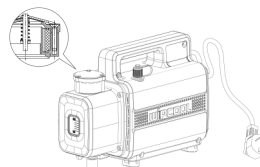
3.3 Product features



Anti oil leakage design



Built-in anti back flow valve



Special anti-injection design



Visible oil tank

4.OPERATING PROCEDURE

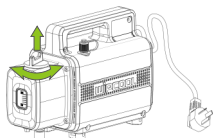
4.1 Check before Operation

Please check before use whether the products and accessories are in good condition and there is no vacuum oil leakage in the packing box.

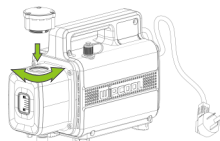
! Note

This product has been filled with vacuum oil and no need to fill before use

4.2 Method of Application



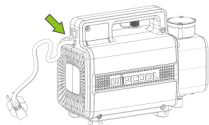
1. Please unscrew the leak-proof cover and remove it.



2. Find the exhaust fitting in packing box and screw it in.



3. Please connect the refrigeration equipment that needs vacuuming.



4. Please plug in the power supply and turn on the switch.

5. MAINTENANCE

- Please pay attention to the oil level before each use. If the oil level is low, please add in time.
- If the vacuum pump oil is found to be blackened or abnormally floating, please change the oil in time.
- When changing oil, please unscrew the oil drain bolt under the oil tank, release oil and tighten the bolt, then unscrew the exhaust fitting again. Slowly pour the oil in, turn on the machine and observe that the oil level is stable in the middle of the oil level line, then turn back the exhaust fitting. (Due to the built-in anti-side oil leakage device, the oil filling speed may be affected, please add slowly)

6. TROUBLESHOOTING

Problem	Cause	Action
Low vacuum degree	1. Vacuum oil not enough	Add oil to middle level
	2. Pump oil emulsified, not clean	Change new vacuum oil
	3. The oil inlet is blocked or oil supply not enough	Clean the oil inlet and filter screen
	4. Leakage of vacuum pipe or container	Check leakage in pipes and containers and repair
	5. Pump model is not suitable	Check the size of the container to be pumped and select a matching vacuum pump
	6. Long period use, the parts are worn, the spacing is increased, or the pipeline in the pump leaks	Repair or replace a new vacuum pump
	7. There are impurities on the sealing surface of the exhaust fitting	Check and remove impurities
Oil Leakage	1. Oil seal wear	Replace the new oil seal
	2. Loose or damage of oil tank connection	Tighten screws or replace O - rings
Pump hard to start	1. The oil temperature is too low	Connect the air inlet to the atmosphere, start the motor continuously to heat pump oil
	2. Motor or power problems	Check and repair
	3. Impurities enter into the pump	Check and remove impurities
Pump unable to start or stop suddenly	1. Fuse blown	Check and replace
	2. Motor or power problems	Check and repair