WIPCOOL®

TWÓJ KLUCZ DO KOMFORTU

OPERATING MANUAL · ENGLISH

P40

Condensate Pumps

Read this manual before use. Keep it with the unit for its entire service life.



Read the manual
Safety and connection rules before the first start-up.

Service and warranty
Service requests and warranty terms at wipcool.eu.

Documents online
Manual, data sheet and declaration of conformity at wipcool.eu.

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How to use this manual

Find the chapter you need. The numbers on the right are the pages of this booklet.

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MEANING OF SYMBOLS



Separate collection of WEEE

Do not dispose of used equipment with household waste.



CE marking

Manufacturer's declaration of conformity with EU requirements.



Read the manual

Safety and operating rules before starting work.

Wipcool P40-P110 user manual

The Wipcool P40 and P110 pumps are used to remove condensate from air conditioning equipment.

The user manual is an integral part of the product. Please read this manual carefully and follow all instructions closely.

General information

Wipcool products are designed for professional use by qualified air conditioning and refrigeration engineers. As the manufacturer, Wipcool stipulates that our equipment should be operated only by suitably qualified and trained persons.

- Comply with all local safety regulations and general safety standards when using the Wipcool P40 or P110 condensate pump.
- The user manual should be kept near the device so that personnel can access it easily at all times.
- Before use, qualified personnel should read the user manual carefully and understand all the instructions it contains.
- The manufacturer accepts no liability for any damage resulting from improper use, failure to follow the user manual, lack of personnel qualifications or any unauthorised modifications to the device.
- The general terms and conditions of sale contained in the sales documents apply.

Symbols and conventions

Symbols and markings used on the device and in the manual:

01



Warning - read the text in the box next to the symbol.

02



Hazardous voltage - risk of electric shock.

03



Notice - risk of damage to the device or an incorrect result.

04



Before starting work, read all safety and installation instructions carefully.

05



Indicates that the product meets the health, safety and environmental standards applicable in the European Union.

06 **RoHS** The product meets the requirements for restricting the use of hazardous substances.

07



Do not dispose of the device with household waste.

Safety information

WARNING

Disconnect the power supply to the pump and the air conditioner before installation, maintenance or servicing.

- Installation and electrical connection must be carried out only by a qualified person.
- Do not place electrical equipment or valuable items beneath the pump. A power failure or leak may damage them.
- Do not install the pump outdoors or in a location exposed to flooding.

CAUTION

The condensate inflow must not exceed the pump capacity. Excessive inflow causes continuous operation and may damage the motor, while a sudden large inflow may cause an overflow.

Technical specifications

Parameter	P40	P110
Power supply	230 V~ / 50 Hz	230 V~ / 50 Hz
Max. head	10 m	3.5 m
Maximum flow rate	40 l/h	110 l/h
Tank capacity	200 ml	200 ml
Power consumption	3 W	10 W
Noise level at 1 m	21 dB(A)	25 dB(A)
Ingress protection rating	IP65	IP65
Operating ambient temperature	0–50 °C	0–50 °C
Storage temperature	-20 to +60 °C	-20 to +60 °C
Dimensions (L × W × H)	178 × 87.4 × 62 mm	178 × 87.4 × 62 mm

Device diagram

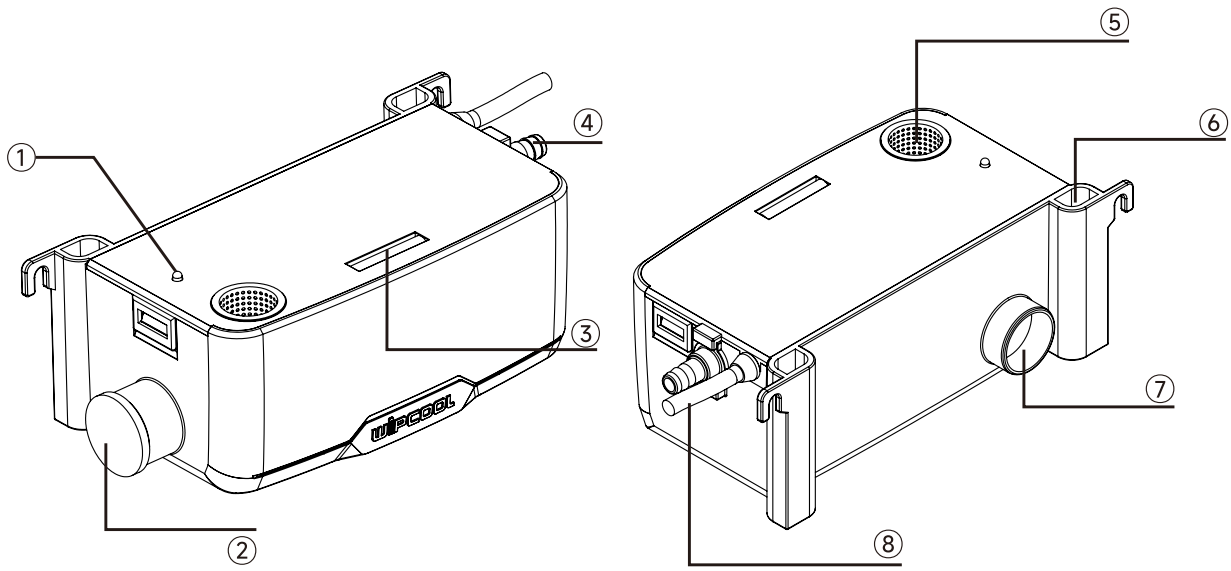


Figure 1. Pump components - numbers 1–8.

No.	Name
1	Power indicator
2	Side inlet
3	Spirit level
4	Discharge outlet
5	Top inlet
6	Rod mounting hole
7	Rear inlet
8	Power cable

Pump dimensions

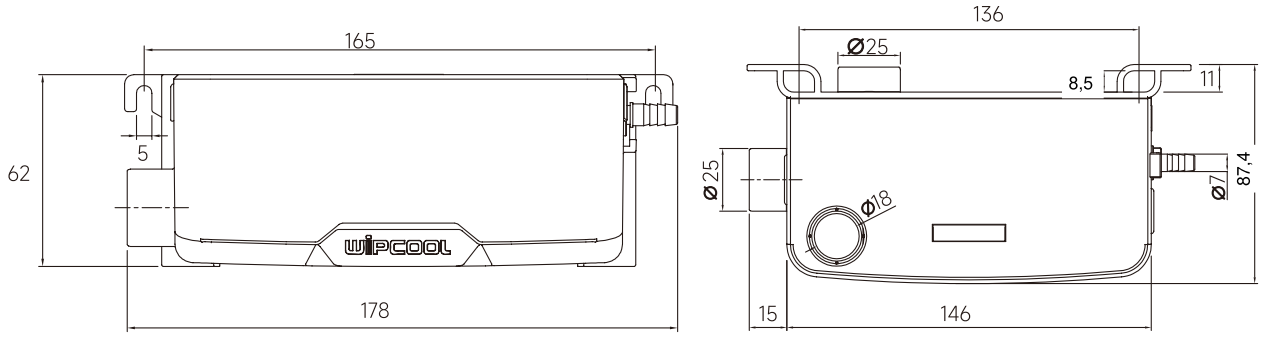


Figure 2. Pump dimensions in mm.

Contents

After unpacking, check that the contents are complete and in good condition. Report any missing or damaged items to the seller.

- Condensate pump.
- Ø25/Ø20 mm reducer.
- Hose clamps - 3 pcs.
- Flexible hose.
- Screws.
- User manual.

Transport and storage

- Transport the pump in its original packaging.
- Store it in a dry place, away from direct sunlight and heat sources, at a temperature of -20 to +60 °C.

Installation

01 Position the pump horizontally. Check the spirit level and adjust the position until the bubble is centred.

02 Secure the pump using one of the methods shown in figure 4. When installing it in a condensate tray, the top edge of the pump must be at least 26 mm above the edge of the tray (figure 4b).

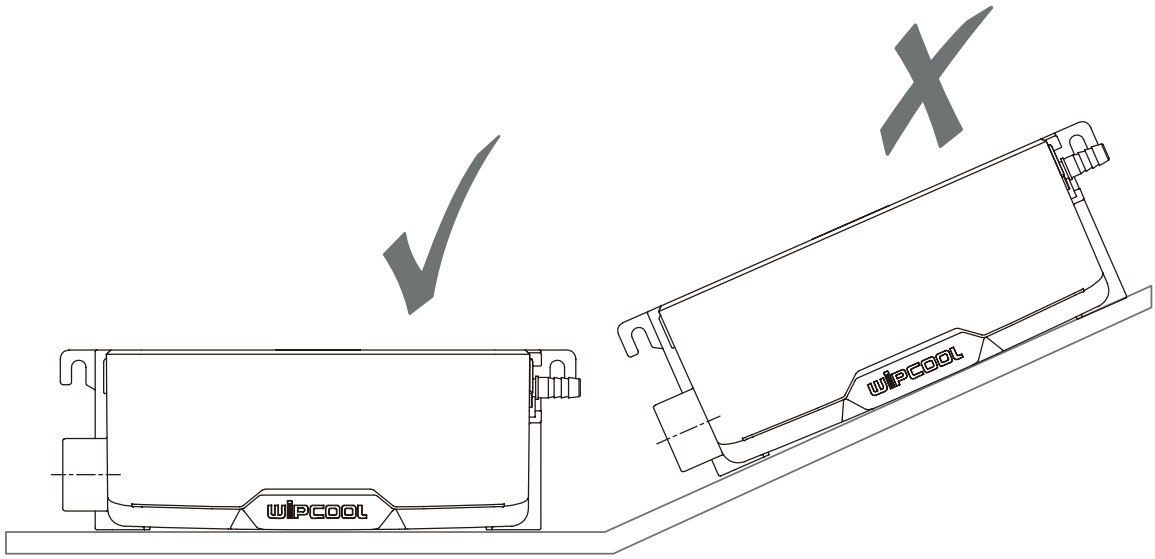


Figure 3. Correct horizontal positioning of the pump.

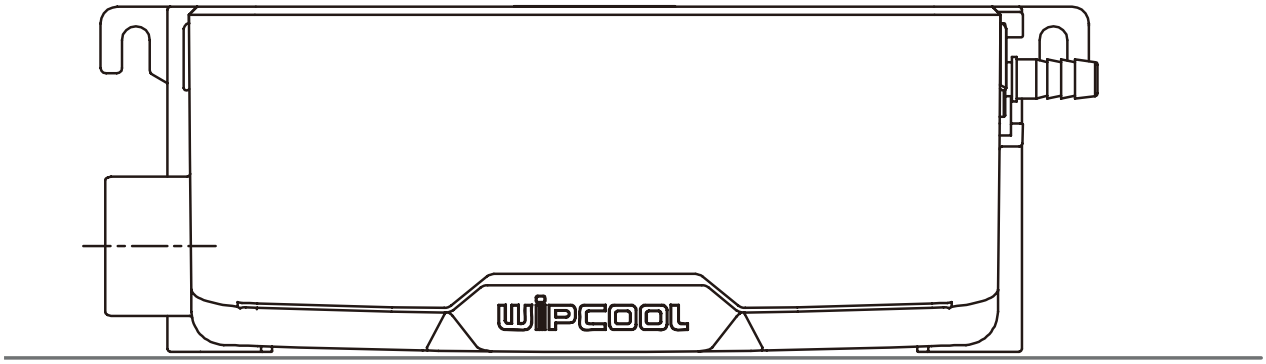


Figure 4a. Mounting on a surface.

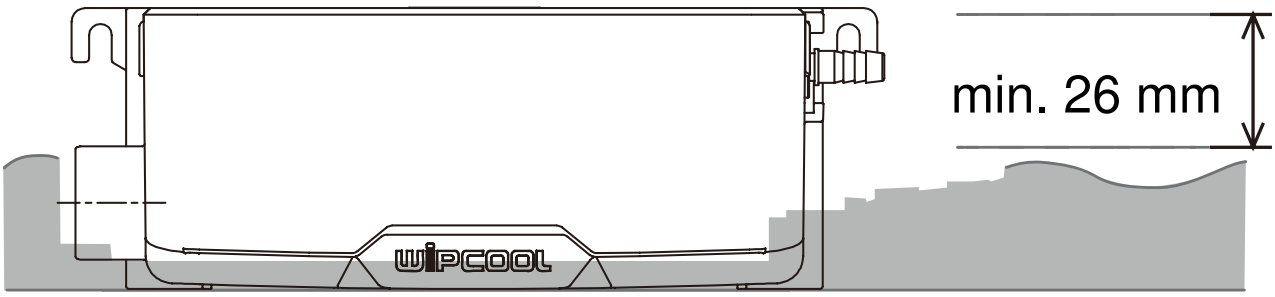


Figure 4b. Installation in a condensate tray - minimum 26 mm.

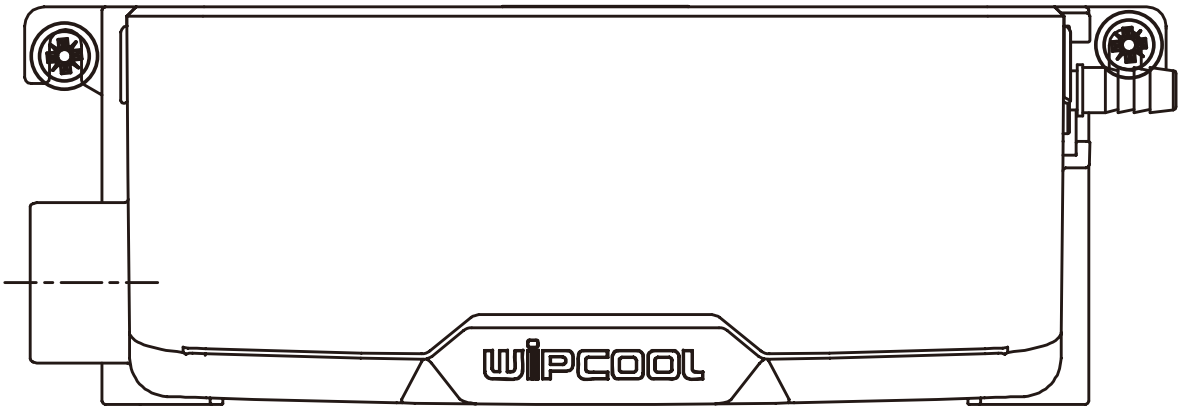


Figure 4c. Wall mounting.

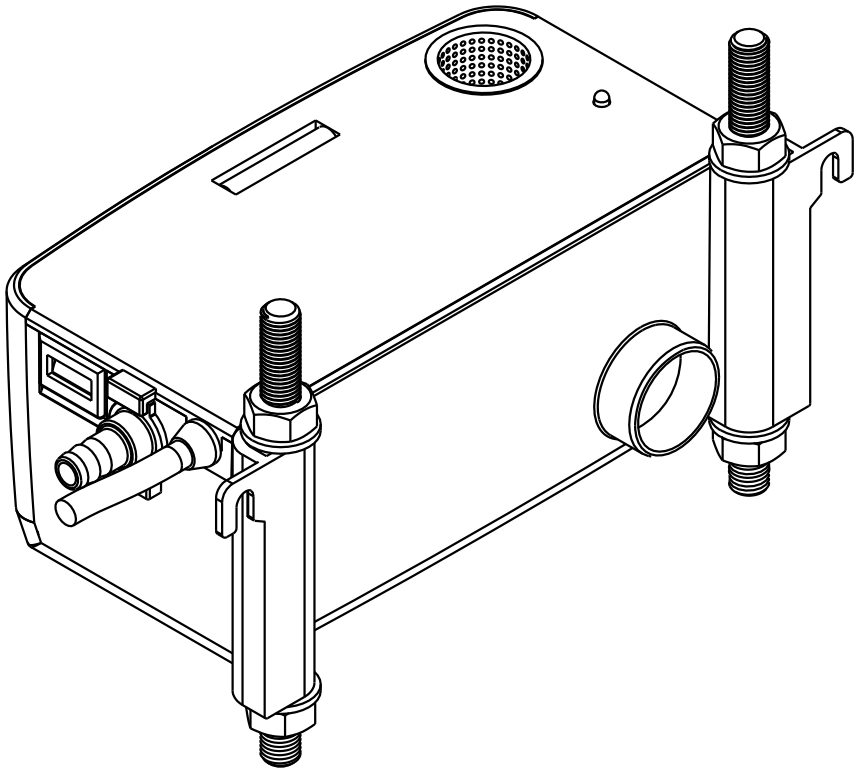


Figure 4d. Mounting on M8/M10 rods.

Connecting the condensate inlet

Select the rear, side or top inlet and open its cap as shown in figures 5–7. To connect a Ø20 mm inlet pipe, use the Ø25/Ø20 mm reducer supplied. Push the inlet pipe fully through the seal into the opening so that it cannot come loose.

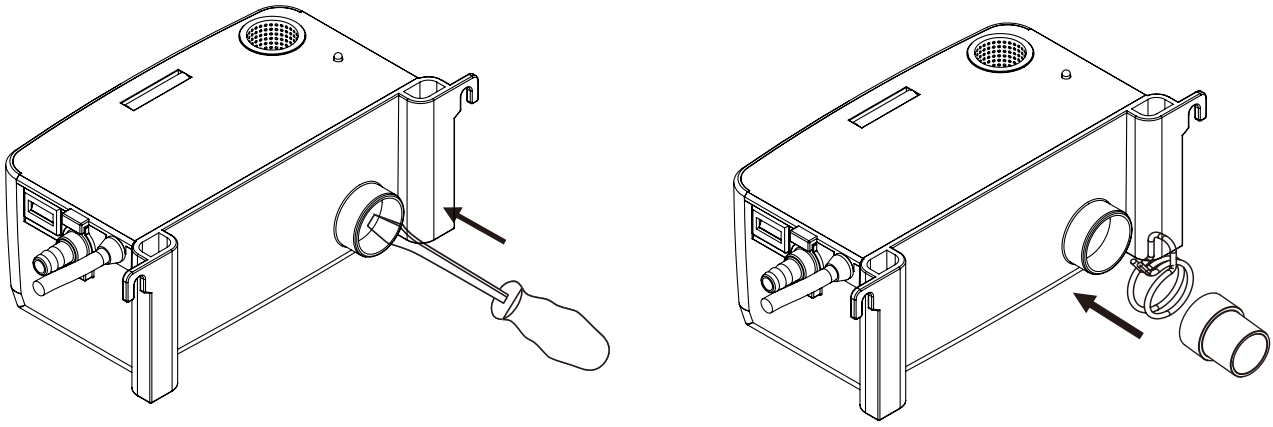


Figure 5. Opening and connecting the rear inlet.

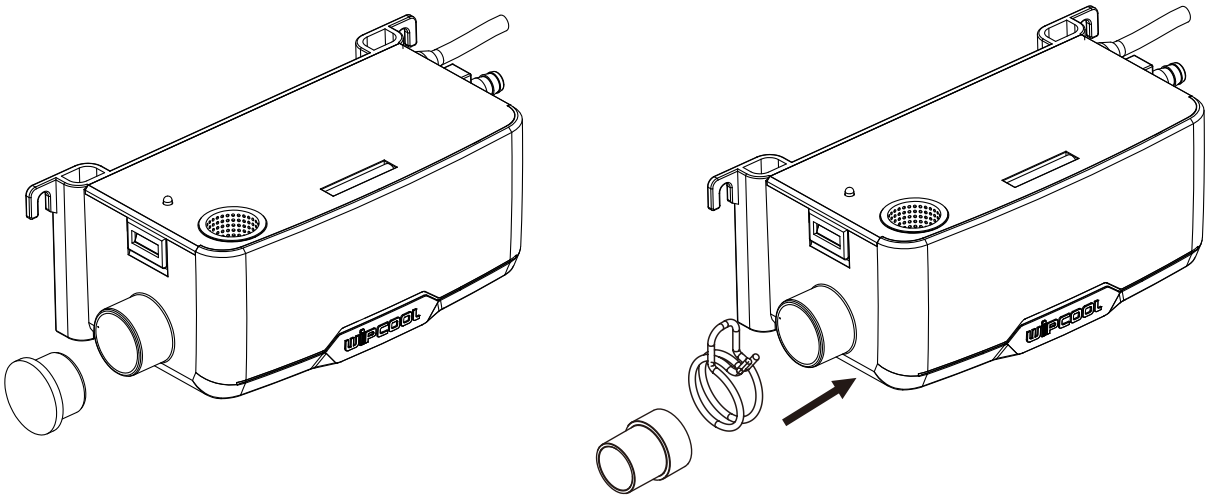


Figure 6. Connecting the side inlet.

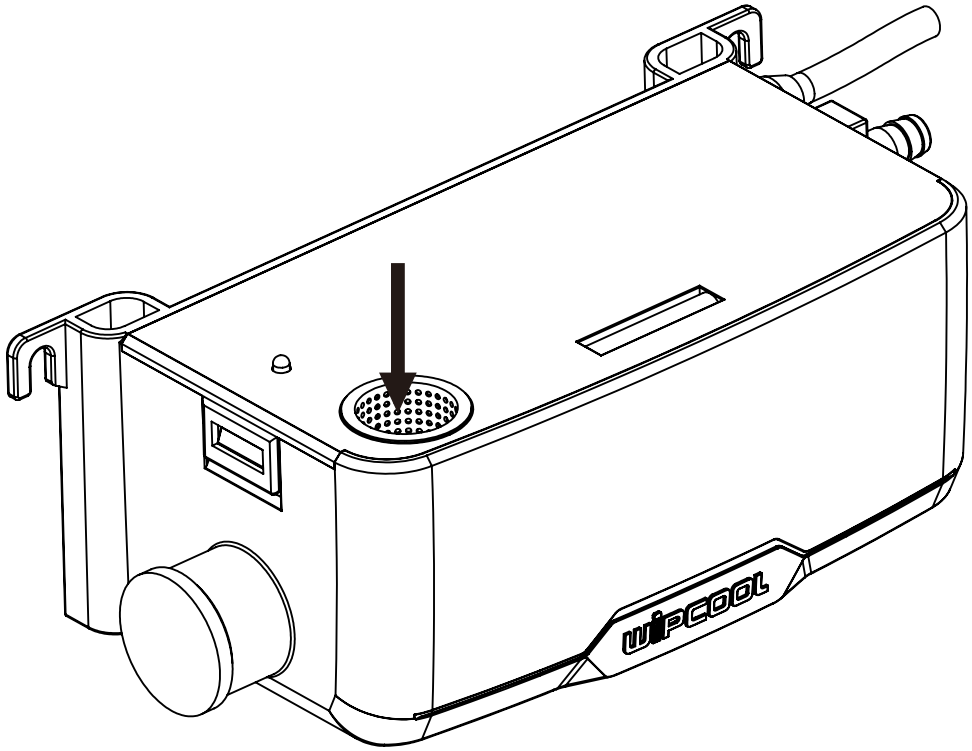


Figure 7. Opening the top inlet.

Connecting the discharge

> **CAUTION**
> After cleaning or installation, check that the discharge outlet is securely fitted.

Connect the discharge pipe to the discharge outlet and secure it with a hose clamp. Do not exceed the max. head: P40 - 10 m, P110 - 3.5 m.

Connection

WARNING

Disconnect the power supply before making connections.

CAUTION

Do not confuse the power supply conductors with the alarm contact conductors - incorrect connection will damage the pump. Check that the voltage matches the rating plate.

Connect the power cable marked POWER to a circuit that is not switched off by the alarm or the air conditioner contactor. The pump must have a continuous power supply so that it can pump out the remaining condensate after the air conditioner stops.

Marking	Function	Conductor colour
L	Power supply - live conductor	Brown
N	Power supply - neutral conductor	Blue
NC	Normally closed contact of the alarm circuit	Black
COM	Common contact of the alarm circuit	Black

The two-core signal cable is used to transmit an alarm and stop the air conditioner if the pump malfunctions.

Connection to the level controller

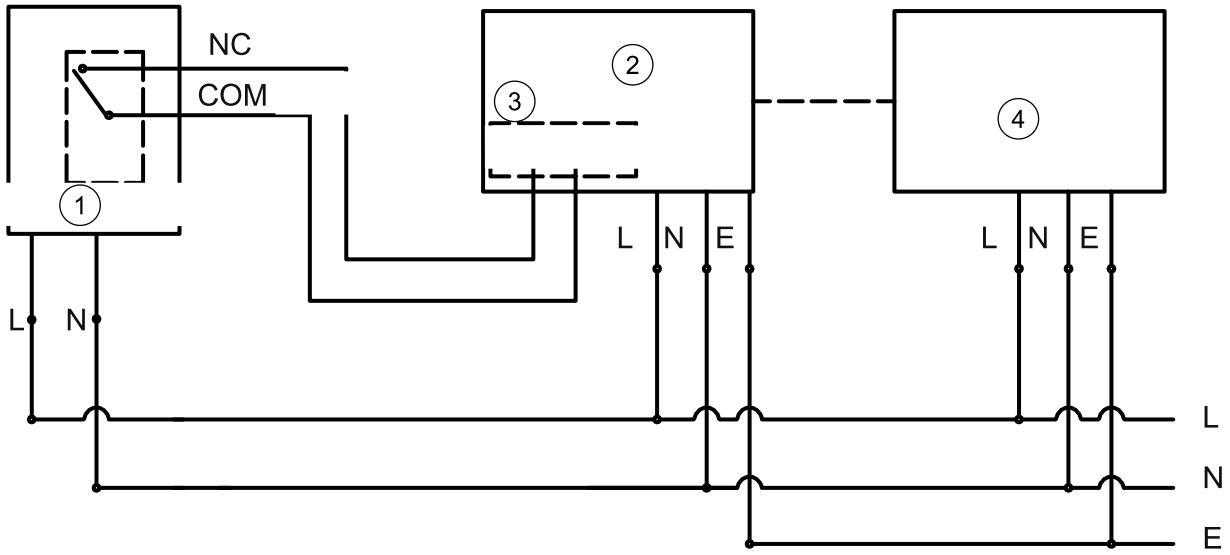


Figure 8. Connection to the indoor unit level controller.

No.	Description
1	Condensate pump
2	Indoor unit
3	Level controller
4	Outdoor unit
NC, COM	Black pump signal wires

Connection to a contactor

If the air conditioner does not have a level controller, the signal wire can be connected to another alarm device, or an AC contactor can be used to cut off the power supply to the air conditioner.

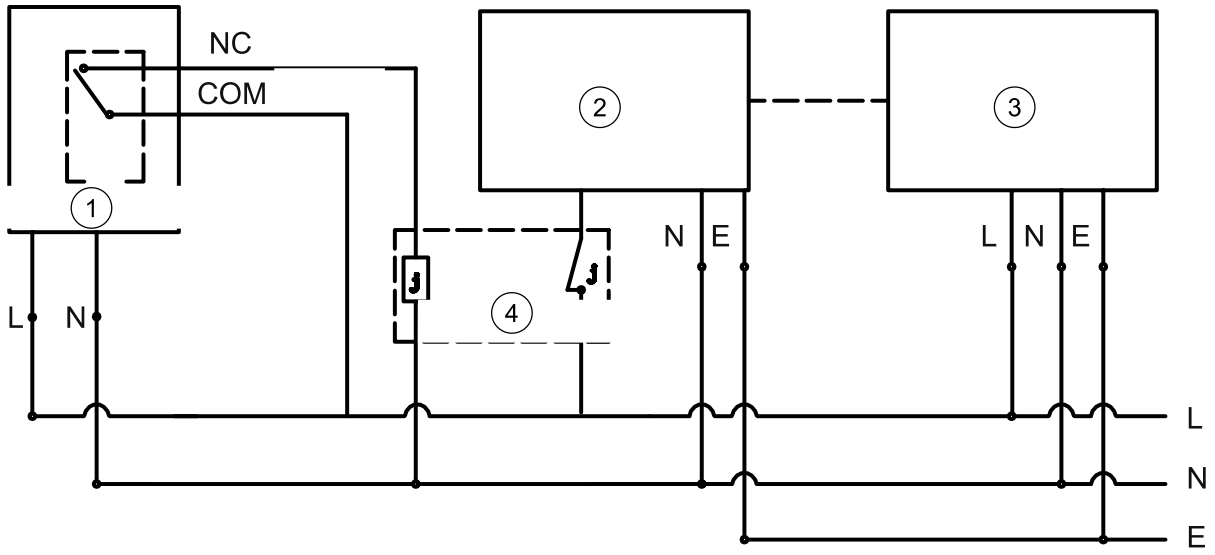


Figure 9. Air conditioner power supply via an AC contactor.

No.	Description
1	Condensate pump
2	Indoor unit
3	Outdoor unit
4	AC contactor
NC, COM	Black pump signal wires

Operation

01 After completing the installation and connecting the cables and pipes, switch on the pump power supply and start the air conditioner.

02 Check that the pump removes condensate. If it does not operate correctly, check the causes in the ‘TROUBLESHOOTING’ section. If the problem persists, stop using the pump. Have it repaired by a service centre - submit a request at wipcool.pl/serwis.

Maintenance

> **WARNING**
> Disconnect the power supply to the pump and the air conditioner before inspection and cleaning.

Cleaning the tank

Every six months (ideally in spring and autumn) or more often, remove the tank and thoroughly clean the filter, level sensor and inside of the tank. Use an antibacterial agent that does not damage the pump materials. Refit all components after cleaning.

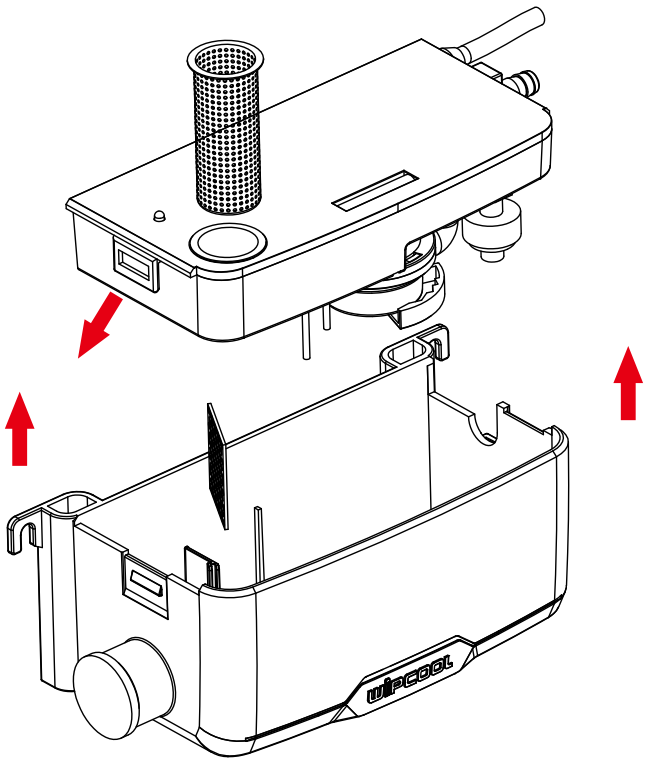


Figure 10. Removing the tank and filter.

Cleaning the discharge outlet

If the discharge outlet is blocked, remove it by hand as shown in figure 11, remove the debris and refit it.

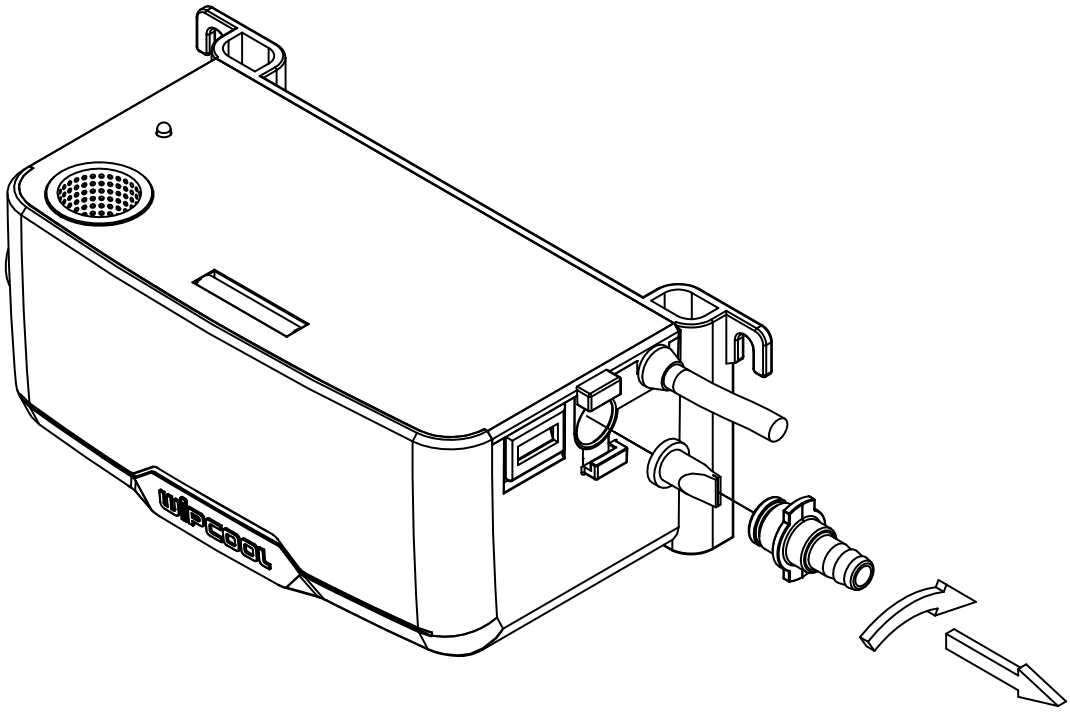


Figure 11. Removing the discharge outlet.

Troubleshooting

WARNING

Disconnect the power supply to the pump and the air conditioner before checking connections, disconnecting cables and pipes, or cleaning.

Problem	Possible cause	Solution
Pump runs continuously	Pump is not level	Level the pump.
Pump runs continuously	Deposits in the tank	Clean the inside of the tank and the level sensor as described in the ‘MAINTENANCE’ section.
Pump gurgles or makes noise after switching off	The end of the discharge pipe is lower than the pump, creating a siphoning effect	Route the pipe so that its end is higher than the pump.
Pump does not start	Pump is not level	Level the pump and check the condensate level.
Pump does not start	No power supply	Check the power supply connection.
Pump does not start	Incorrect voltage	Check that the supply voltage matches the device rating plate.

Waste electrical and electronic equipment

01



The crossed-out bin symbol means that the end-of-life device must not be disposed of with other waste.

Under the applicable regulations on waste electrical and electronic equipment, products marked with the separate collection symbol must not be disposed of with other municipal waste. Because they contain harmful substances, electronic products that are not sorted separately may pose a risk to the environment and human health. Proper separate collection of waste electrical and electronic equipment prevents negative effects on the environment.

By taking end-of-life equipment to a collection point, the user contributes to its reuse, recycling and recovery.

Recycling - a method of protecting the environment. The process of recovering substances from waste that can be reused as raw materials.

Recovery - the use (also commonly understood as destruction) of waste that has lost its useful value, such as plastics, paper and cardboard, as secondary raw materials.

Information on the collection system for waste electrical and electronic equipment

- Waste electrical and electronic equipment must not be disposed of with other waste.
- The collection of incomplete electrical and electronic equipment and parts from waste equipment is prohibited.
- A distributor delivering equipment intended for households to a purchaser is obliged to collect waste equipment from households free of charge at the place of delivery, provided that the waste equipment is of the same type and performs the same function as the equipment delivered.
- The user can hand over waste equipment to a waste equipment collector, a treatment facility or a municipal waste collector in the municipality.
- Information about collection points is available on the Public Information Bulletin (BIP) websites of regional, city and municipal offices.

Service and documents

Before submitting a request, prepare:

- Model - shown on the device rating plate and the invoice.
- Serial number - if absent, provide the production number (e.g. 11/2025), usually found on the underside of the device.
- Proof of purchase - an invoice or receipt from an authorised distributor.
- Description of the fault - what is happening, when it started and under what conditions.

You can submit a service request at wipcool.pl/serwis. You will also find the warranty terms there.

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SERVICE AND DOCUMENTS

P40 · Operating manual

EDITION DETAILS

Model	**P40**
Edition	**04.11.2026 · EN**
Manufacturer	**Zhejiang Wipcool Refrigeration Equipment Co., Ltd.**
Authorised representative	**4REF sp. z o.o., ul. gen. Władysława Andersa 38, 15-113 Białystok**

wipcool.eu

- online manual and other languages
- data sheet and declaration of conformity
- service and requests

The CE marking confirms the declared conformity with EU requirements.
Crossed-out bin: do not dispose of used equipment with household waste.