

## QUBEX UNDERSINK PUMP SYSTEMS

### INSTRUCTION MANUAL



QUP155  
QUP200



QUP155-T  
QUP200-T

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# INSTALLATION INSTRUCTIONS

**IMPORTANT NOTE: This unit MUST NOT be used for RAW SEWAGE.**

**Use with RAW SEWAGE will VOID the warranty.**

## **NORMAL OPERATION**

This unit is designed to be connected to a sink or similar, and to pump the grey water up to an existing sewer line, where the supplying fixtures are located below the sewer line. It also may be used in situations where it is unviable to install normal waste pipes with gravity-feed to the sewer. The unit operates as the sink or basin discharge waste water enters it, the water level rises which lifts the float switch, causing the pump to start. The waste water is picked up by the impeller and discharged through the outlet pipe to the sewer or septic system. The pump shuts down when water level drops the float to off position.

## **INSTALLATION**

ALL INSTALLATIONS must comply with the PLUMBING CODE OF AUSTRALIA, COUNCIL/SHIRE BY-LAWS and REGULATIONS. It is the installers and owners responsibility to ensure the product and installation is compliant. Warranty does not cover improper use or improper installation. POWER SUPPLY: This unit is supplied with a 10amp 3-pin Australian plug. This unit is only compatible with basins/sinks. IT MUST NOT BE USED FOR RAW SEWAGE. The decline of horizontal pipework must be at least one centimetre per metre.

## **NON RETURN VALVES OR BALL-VALVE REQUIRED IN THE DISCHARGE**

The unit includes a Watermark approved Swing Check Valve, it is however recommended to add another Watermark approved Swing Check Valve in the discharge pipework, at the discretion of the installing Plumber. If there is no check valve installed in the discharge pipework, you MUST install a ball-valve instead, in order to allow servicing / repair of the unit.

## **VENTILATION**

The QubeX® Undersink Pump Station must be vented, either by connecting it to existing drainage vent, or alternatively, by installing a carbon two way filter connection to the vent connection. Ensure the carbon two way filter is installed in the upright position.

## **CLEARANCE**

The unit should have sufficient clearance on the outlet side to allow removal if ever necessary. Also sufficient clearance above, to allow the lid to be removed, and easy access into the unit for servicing and repair if necessary.

## **SUITABLE WASTE**

This unit is only suited to sink or basin wastewater, without food particles or sanitary items. It is NOT for use with faecal matter.

## INSTALLATION STEPS

Important: all installation must be in compliance with the Plumbing Code of Australia (PCA) it is the installers responsibility to ensure compliance.

1. The unit shall be positioned on level surface and adjacent to the fixtures.
2. All discharge pipe work must be connected to the sewer by an appropriate and approved connection in accordance with PCA.
3. The discharge pipe from the system shall be independent from all other pipes, do not tee into it.
4. The discharge pipe must be no less than 40mm or in accordance with relevant PCA.
5. Connect the discharge pipework to the provided threaded outlets, ensuring all connections are water-tight.
6. Any initial horizontal pipe run from the unit, prior to the vertical lift, should not exceed 600mm.
7. After the first vertical pipe run, any pipe run afterwards should be horizontal with the required fall according to the PCA. Do not have the pipe change directions in an upward vertical manner.
8. If there is no check valve installed in the discharge pipework, you MUST install a ball-valve instead, in order to allow servicing / repair of the unit.
9. Minimise the number of bends as much as possible. By preference use long sweeping 90 degree elbows or two 45 degree elbows back-to-back to create 90 degree turns. Each additional elbow reduces the lift capacity and flow rate.
10. The unit has a outlet fitted, which must be utilised. Either connect the vent outlet to an existing vent pipe, or alternatively, by installing an air remittance valve connection to the vent connection. Ensure the air remittance valve is installed in the upright position. If venting cannot be achieved in this manner you must install a Carbon Filter, in accordance with applicable Plumbing Regulations and Australian Standards.
11. When the point of discharge into the sewer is lower than the base of the unit, the pipework must be configured to accommodate a vacuum relief valve at the highest point in the pipe run in order to avoid siphonage.
12. The unit cannot accept the disposal of any sanitary items whatsoever, it is for waste water without solids only.
13. Any drain pipe leading into the pump shall have minimum fall according to the PCA. Any horizontal discharge pipe shall also have this minimum fall.
14. The total run on the discharge pipe shall be no less than 1.0m (combined) before it drains into the sewer.
15. The discharge pipe work should not be installed with any upward slope whatsoever, after the initial vertical lift.

## SPECIAL TOOLS OR TRAINING

This unit shall be installed by a licenced Plumber. No special tools are required.

## CONNECTION TO THE ELECTRICAL SUPPLY

All wiring, and the positioning of the power outlet MUST be in accordance with the applicable electrical regulations. The system requires a single-phase 230/240volt, 10 amp supply. Connect only to a power outlet protected by a Safety Switch (RCD). **Warning: Risk of electric shock** – TURN POWER OFF BEFORE OPENING THE UNIT. This pump is supplied with an earth wire conductor and earthed plug to reduce the risk of electrical shock, be certain that it is connected only to a properly earthed power outlet, with RCD.

## COMMISSIONING PROCEDURE

After installation of pipework all that is required to commission the unit is to plug the pump power plug into the power outlet and turn it on, the operation is all automatic. Run some water through the sink and ensure the pump starts and stops correctly.

## ADJUSTMENTS

The only adjustment possible is the float switch, which may be made to start the pump with more, or less, liquid in the unit. There would not usually be any need to make any adjustment to the float switch, but if desired you simply grasp the rubber stopper on the float shaft and move it up or down as required. Test the unit is operating correctly after making any adjustments to ensure it is functioning correctly.

## TROUBLESHOOTING

The pump does not start;

1. Do not use the sink / fixture if the pump is not operating, remove the tap handle so that it cannot be turned on.
2. Check if the RCD Safety Switch has triggered off, if it has the pump might be failed and needs to be replaced by a licenced tradesman.
3. The pump might be blocked with air or similar, turn the power off, and tie up the plug so it cannot be accidentally put back in while servicing, open the unit and with suitable gloves on your hands simply remove the blockage from the bottom of the pump.
4. The pipe might be blocked, if so engage your Plumber to fix this.

## AFTER SALES SERVICE

Contact your installing Plumber, or you can call us on 07 3893 5000 or email [csv@ascento.com.au](mailto:csv@ascento.com.au).

## SAFETY ADVICE

This device is not suitable for use by persons (including children) with limited mental, sensory or physical abilities or by persons without experience or knowledge about using this device. Children are not aware of the danger of electrical devices. Please ensure that they do not play with this item.

## SPECIFICATIONS

MODEL	QUP155 (all versions)	QUP200 (all versions)
PUMP	RVS155VF	RVS200VF
KW (P1, P2)	P1 - 0.35kW P2 - 0.18kW	P1 - 0.4kW P2 - 0.25kW
VOLTAGE	240V	240V
AMP	1.5A	2.0A
MAX HEAD	7m	8m
MAX FLOW	155L/Min	200L/Min
MAX TEMP	40°C	40°C
PUMP WEIGHT	8.5kg	9kg

## USAGE

To ensure the trouble-free use of this unit, do NOT use this product for RAW SEWAGE - this will VOID the warranty. If the appliance becomes blocked/jammed up with hair or other solids, this is the owners responsibility to have a competent person clear the blockage. It is NOT a warranty fault; it is user maintenance. Please contact your plumber if your appliance is blocked or jammed, or is not working.

# OPERATING & MAINTENANCE INSTRUCTIONS

(For qualified personnel only)

## WARNING

**Risk of electric shock** – TURN POWER OFF BEFORE OPENING THE UNIT.

## REGULAR MAINTENANCE

Not usually required if the waste water is as specified for the unit.

## SPARE PARTS

Plumbing fittings are available from most plumbing stores or hardware's. The pump is repairable only by trained professionals, and should not be attempted by the owner, unless they are a trained pump technician. Spare parts for the pump are available, the capacitor is common and available from electrical wholesalers, the mechanical seal is available by contacting Ascento on 07 3893 5000 or email [csv@ascento.com.au](mailto:csv@ascento.com.au) and quoting the model number of the pump.

## TROUBLESHOOTING GUIDE

Please see previous section.

## AFTER SALES SERVICE

Contact your installing Plumber, or you can call us on 07 3893 5000 or email [csv@ascento.com.au](mailto:csv@ascento.com.au).

## WARNINGS

**Do not discharge any food solids, acids, alkaloids, solvents, paint, paint strippers, food waste, plastic bags, metal such as nails, hairpins, wood, building materials, kitty litter or anything that could halt or damage or corrode the unit. Disregarding this instruction may damage the unit and shall void your warranty. In the event of a power loss do not use any fixture connected to the unit since it will not work until the power is restored.**

**In areas which are prone to freezing, the total system must be properly winterized. No parts or labor are warranted when a breakdown occurs due to freezing.**

**Ensure that there are no taps left open or leaking / dripping. This will eventually fill up the pump and the motor will activate repeatedly, this is not a fault with the product.**

**All wiring, and the positioning of the power outlet MUST be in accordance with applicable electrical regulations. The system requires a single-phase 230/240volt, 10 amp supply. Connect only to a power outlet protected by a Safety Switch (RCD). Warning : Risk of electric shock – TURN POWER OFF BEFORE OPENING THE UNIT. This pump is supplied with an earth wire conductor and earthed plug to reduce the risk of electrical shock, be certain that it is connected only to a properly earthed power outlet, with RCD.**

## WARRANTY AGAINST DEFECTS

2 Year Warranty applies

Please scan this QR code to view or download a copy from our website at [www.reefe.com.au/warrantyterms](http://www.reefe.com.au/warrantyterms). Or you may request a copy by emailing [csv@ascento.com.au](mailto:csv@ascento.com.au) or by writing to Ascento Warranty Terms PO Box 650 Morningside QLD 4170 or call us on 07 3893 5000 and request a copy.





*thank you for your purchase*

# **ASCENTO GROUP AUSTRALIA**

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