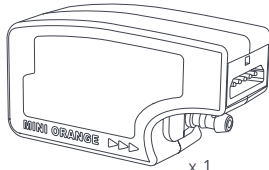


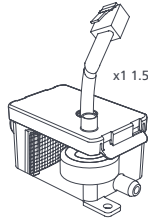
Silent+ Mini Orange
Instruction Manual

Thank you for buying your new Airflow pump. This manual gives instructions on the correct installation. It is important that you follow these instructions carefully. For terms and conditions on your warranty, please see our website.



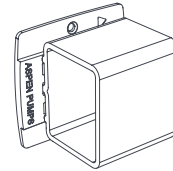


x 1

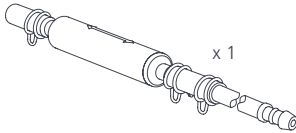


x1 1.5m / 5'

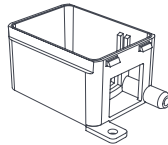
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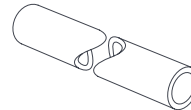
x 1



x 1



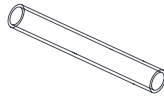
x 1



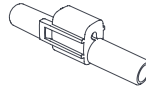
x 1
220mm / 8 3/4"
(14mm i/d / 1/2")



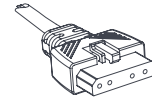
x 1
1.5m / 5'
(6mm / 1/4" i/d)



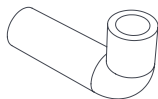
x 1
150mm / 6"
(6mm / 1/4" i/d)



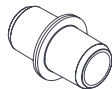
x 1
150mm / 6"
(6mm i/d / 1/4")



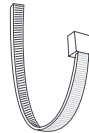
x 1
1.5m / 5'



x 1
16mm i/d / 5/8"



x 1
5/8" / 16mm o/d



x 6
(x 2) 140 x 3.6mm / 5.5" x 1/8"
(x 4) 300 x 3.6mm / 12" x 1/8"



x 2

IN THE BOX



CAUTION: This Airflow pump has been evaluated for use with water only.

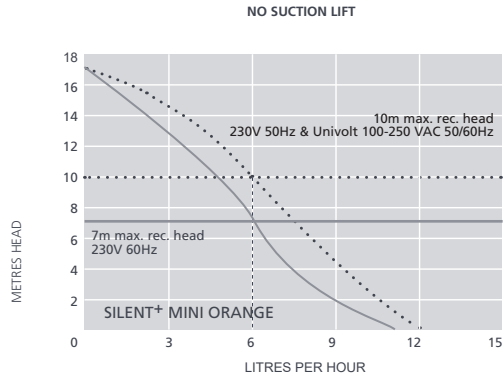
WARNING: Risk of electric shock. This Airflow pump has not been investigated for use in swimming pool or marine areas.

- The means for isolation must be incorporated in the fixed wiring in accordance with wiring regulations.
- Ensure this Airflow pump is disconnected from the mains supply before carrying out any adjustments or servicing. If the cord is damaged, it must be replaced with the correct assembly available from the manufacturer or its service agent.
- Do not run this Airflow pump dry.
- Always ensure the magnet in the float is facing upwards. Always ensure the reservoir is sitting flat and horizontal.
- This Airflow pump is ideal for most working and living environments. It is not recommended where the environment is oily or particularly dusty.
- Acceptable for indoor use only.
This Airflow pump is non submersible.

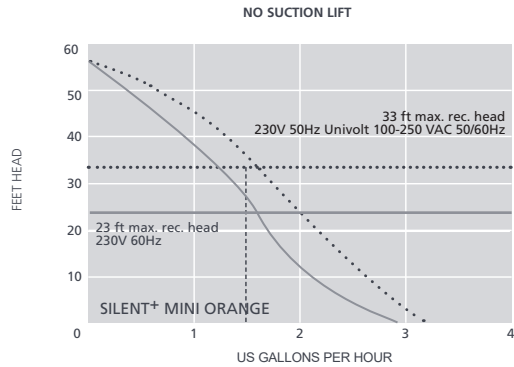


SILENT+ MINI ORANGE		
	230V 50Hz	230V 60Hz
Power Supply	0.11A / 16W	
Max. water flow rate per h @ 0m / ft	12L / 3.2 US Gal	11L / 2.9 US Gal
Max recommended head	10m / 33ft	7m / 23ft
dB(A) @ 1m	19	22
Max. unit output	16kW / 54,000Btu/h / 4.5ton	

- Non continuous
- Class II appliance
- 3A volt-free alarm wires, N.C. contacts rated @ 3A inductive at 230V
- Hall effect semi conductor level sensors, with high level safety
- Maximum water temperature: 40°C / 104°F
- Inlet i/d: 16mm / 5/8"
- Thermally protected

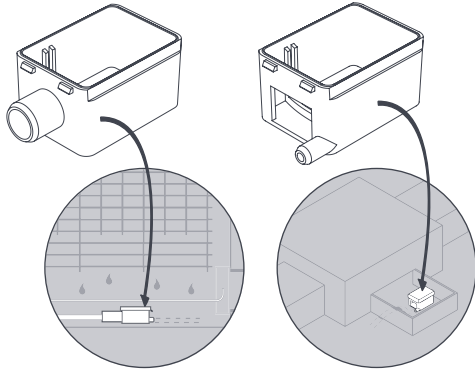


* MAX RECOMMENDED HEAD

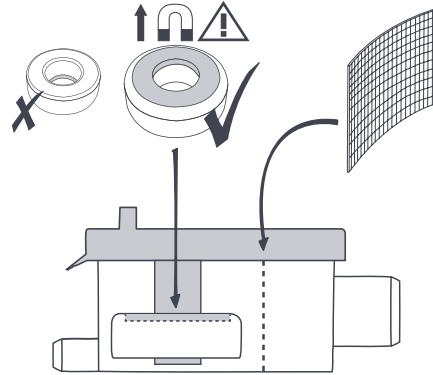




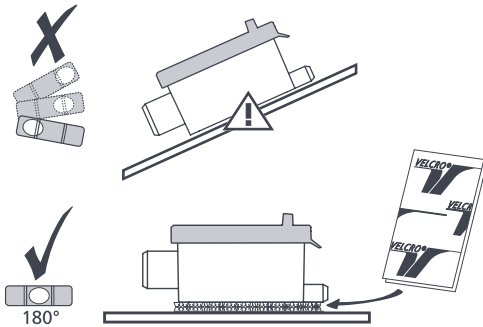
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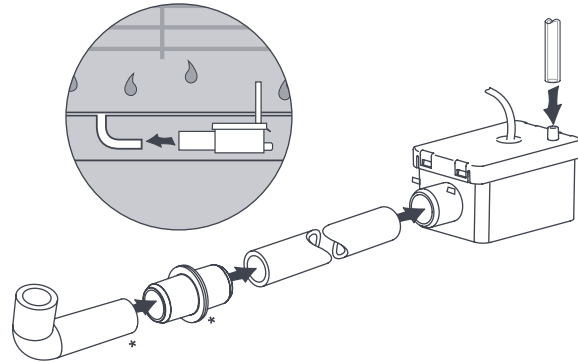
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3



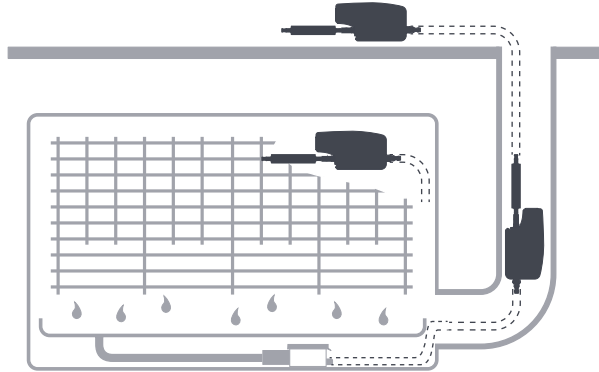
4



*Optional

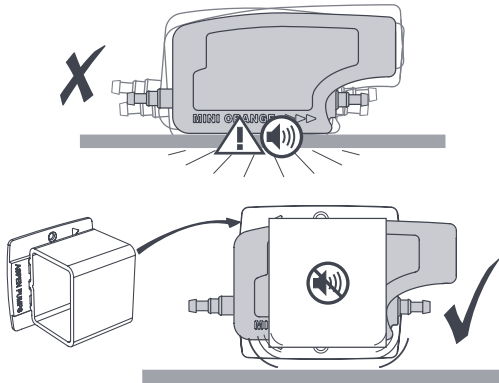


5

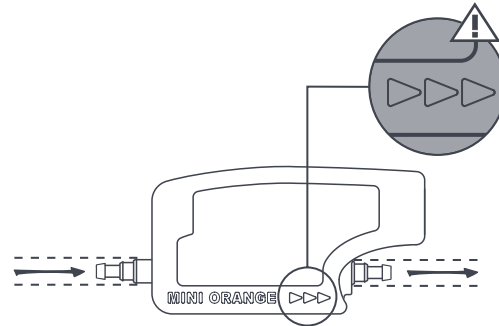


1. ABOVE CEILING
2. INSIDE CONDUIT
3. BEHIND EVAPORATOR

6



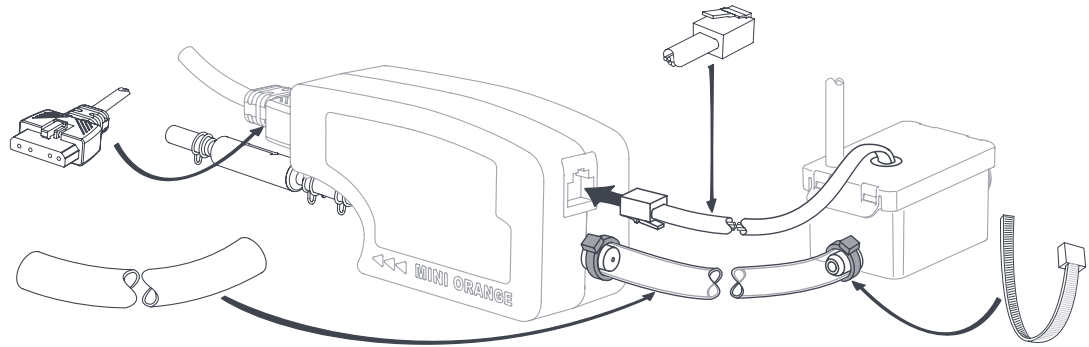
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8



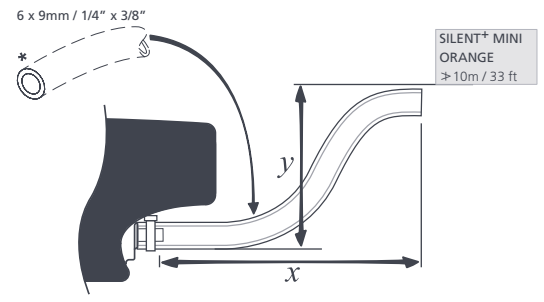
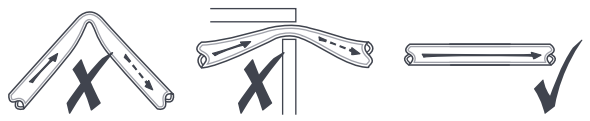
8



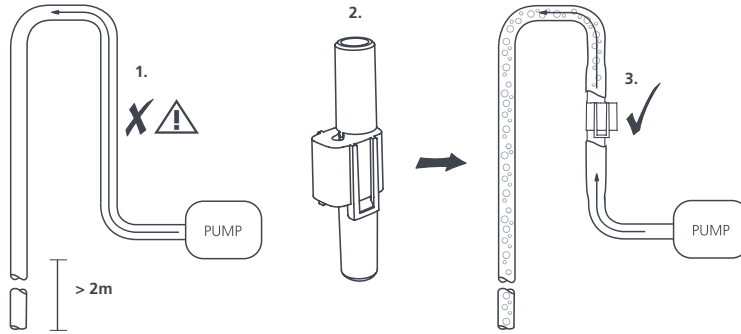
9

HORIZONTAL LOSSES

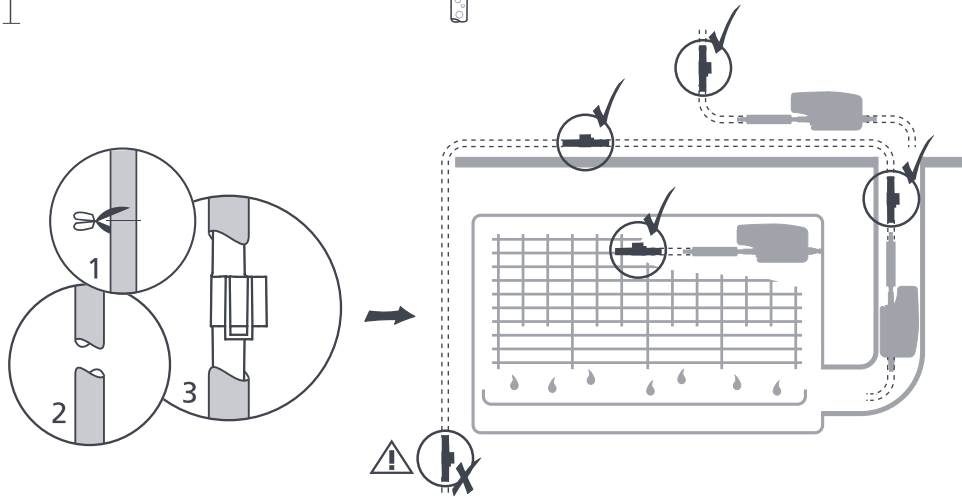
L/h / US Gal/h		SILENT + MINI ORANGE		
		X (max 100)		
120V & 230V	y	30m	60m	90m
		3m	7.2 / 1.9	7.0 / 1.8
	2m	7.3 / 1.9	7.1 / 1.8	7.1 / 1.8



* NOT INCLUDED IN THE BOX



- 1. SIPHONING
- 2. ANTI-SIPHONING DEVICE
- 3. AIR INTAKE = NO SIPHONING

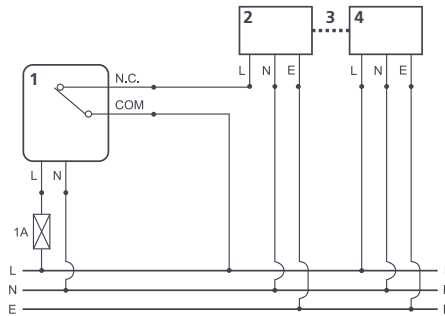




Install a 1 amp inline fuse. The high-level safety switch should be wired to prevent the continued operation of the air conditioning unit in the event of this Airflow pump failing.

IMPORTANT: This diagram is an example of how this Airflow pump could be installed and is therefore for reference only. All Airflow pump units must be installed by qualified engineers, who have assessed the set-up of the individual a/c unit.

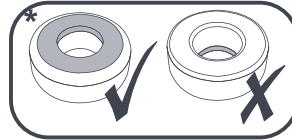
POWER			ALARM/VOLT FREE	
European 230V:	US 230V:	US 120V:	European 230V:	US 230V / US 120V:
(L) LIVE: Brown	(L) LINE 1: Black	(L) LINE 1: Black	Purple	(N.C.) NORMALLY CLOSED: Purple
(N) NEUTRAL: Blue	(N) LINE 2: Red	(N) LINE 2: White	Grey	(COM) COMMON: Grey



1. PUMP UNIT
2. INDOOR UNIT
3. INTERCONNECTING CABLES
4. OUTDOOR UNIT



- This Airflow pump, like all mechanical equipment, requires maintenance.
- Every six months the reservoir should be removed, taking care to clean the filter, float and reservoir thoroughly prior to reassembly. We recommend this is done in the Spring and the Autumn, using a chemically compatible anti-bacterial wash.
- Take great care to replace the float with the magnet facing upwards.*
- Additional inline filters are available if required.



**Fault: Pump runs all the time.**

1. Is the float position with the magnet uppermost?
2. Is the reservoir lid (sensor) located firmly onto the reservoir, with the float located inside the reservoir, around the sensor column?
3. Is there sludge inside the reservoir, preventing float from resting on the bottom? (This may occur if the pump has been in operation for some without cleaning. Clean using an anti-bacterial wash.)

Please note:

- After installation and during operation, if you notice air in the pipe between the reservoir and the pump, you have a siphoning problem (Fit an Anti Siphoning Device following step 10 on page 10).
- The pump will only switch off when the float is at the bottom of the reservoir.

Fault: Pump stops and starts and makes a loud noise.

1. The water is siphoning through the pump. Fit an Anti Siphoning Device following step 10 on page 10.

Fault: Pump runs but does not pump any water.

1. Are there any air leaks in the pipe running to the pump?
2. Check that reservoir, filter and inlet tube are free of sludge and debris.

Fault: Pump isn't operating at all.

1. Is power reaching the pump? Is it correctly wired? Is the voltage correct?
2. Is the pump very hot? A thermal cutout may have been activated to protect pump.
This will automatically reset once pump has cooled down.

Have you got another question?

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Call: 01494 525252

Visit: airflow.com



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