

# AQUARK

Up to  
70%  
energy  
savings





# Not all heat pumps are equal

Discover Aquark, our brand-new range of heat pumps. We are excited to bring you two products with a sleek and modern design that stand at the forefront of the heat pump industry. Made with the highest spec technology to bring customers a huge energy saving.

Inverpad® is a revolutionary technology created by Aquark Electric Limited with the mentality of changing 50 years of tradition in the pool heat pump industry: boring design and noisy operation. It perfectly combines unique Pad Appearance, Stepless DC Inverter and Noise Cancelling technology together.

**Pad Design**



**Stepless DC Inverter**



**Noise Cancelling**

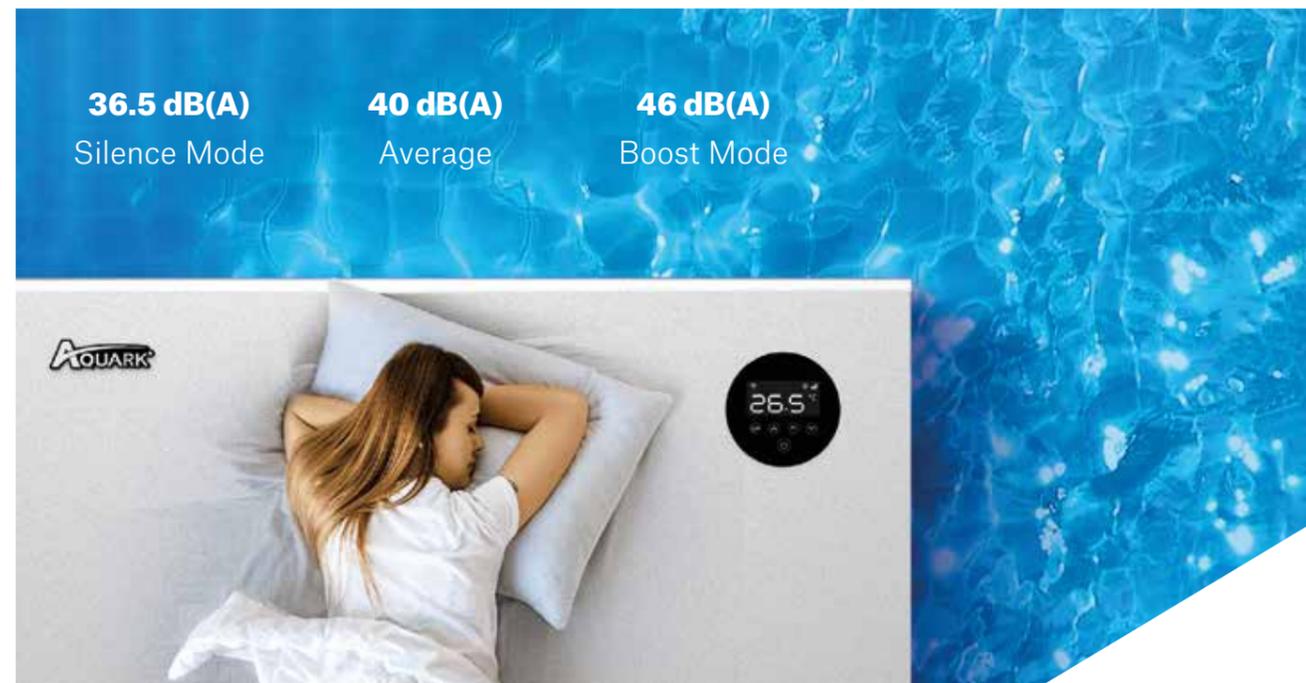


# Mr. Silence

Enjoy the peace and quiet with Mr Silence. Thanks to the patented airstream design technology, the sound level of Mr Silence is as low as a fridge. At the beginning of the spa season, Mr Silence will run at full speed to heat up the spa rapidly. Once the temperature is getting close to set point, Mr Silence automatically adjusts to a lower speed, offering a more efficient and quieter operation. The COP at low speed is up to 16.

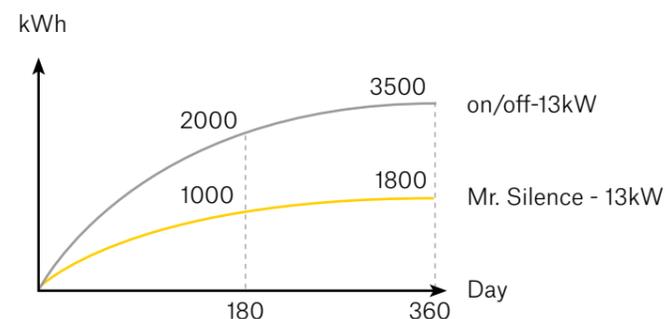


## Extreme Silence



## Dreaming silence

Benefiting from stepless DC inverter technology, the Mr Silence speed will be adjusted intelligently according to the environment and water temperature.



| Model  | MS70                                 | MS90        | MS110       |
|--|--------------------------------------|-------------|-------------|
| PERFORMANCE CONDITIONS: AIR 27°C/ WATER 27°C/ HUMID. 80% |                                      |             |             |
| Heating Capacity (kW)                                    | 6.8                                  | 9.0         | 11.0        |
| COP Range  | 14.0~7.1                             | 14.0~7.1    | 14.0~6.9    |
| Average COP at 50% Speed                                 | 10.4                                 | 10.4        | 10.2        |
| PERFORMANCE CONDITIONS: AIR 15°C/ WATER 26°C/ HUMID. 70% |                                      |             |             |
| Heating Capacity (kW)                                    | 4.9                                  | 6.5         | 7.5         |
| COP Range  | 7.2~4.4                              | 7.3~4.7     | 7.3~4.6     |
| Average COP at 50% Speed                                 | 6.4                                  | 6.4         | 6.5         |
| TECHNICAL SPECIFICATIONS                                 |                                      |             |             |
| Advised Pool Volume (m <sup>3</sup> )*                   | 15~30                                | 20~45       | 30~55       |
| Operating Air Temperature (°C)                           | -10°C ~ 43°C                         |             |             |
| Compressor   | Twin-rotary Mitsubishi DC Compressor |             |             |
| Heat Exchanger   | Twisted Titanium Heat Exchanger      |             |             |
| Power Supply   | 230V 1Ph                             |             |             |
| Weight (kg)  | 54                                   | 55          | 57          |
| Dimension LxWxH (mm)                                     | 890 x 430 x 657                      | 890*430*657 | 890*430*657 |



## Key Features



Inverpad



Anti-rust Aluminium Alloy



Noise cancelling technology



Operates in up to -10 degrees

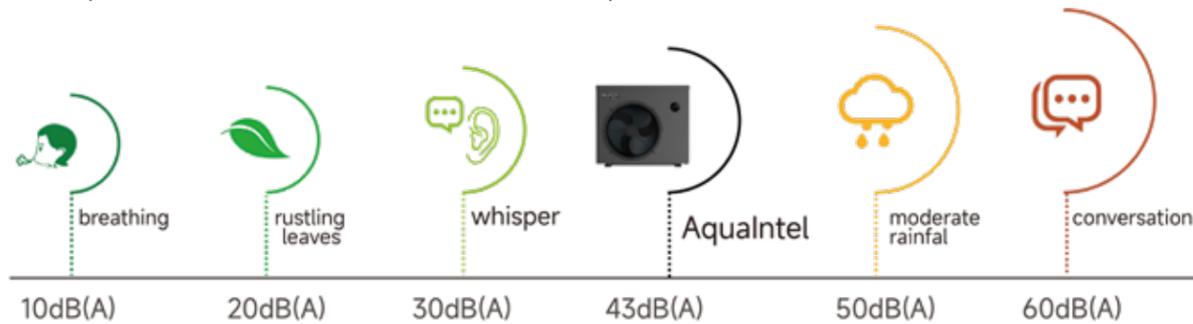
# AqualIntel

Average-COP 9.3 AqualIntel runs at a 50% average capacity to provide the best energy saving performance and the most silent pool environment. With the Stepless DC Inverter, the compressor speed can be adjusted hertz by hertz and fan motor speed can be adjusted round by round. It adapts intelligently to different heating demands.



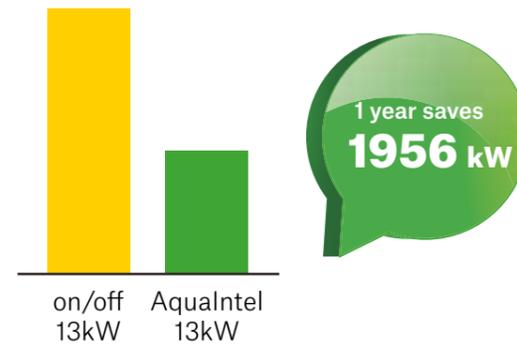
## Quiet by Design

Thanks to Inverquark technology, Stepless DC inverter compressor and DC brushless fan motor, AqualIntel runs at 43dB between a whisper and moderate rainfall.



## Double energy saving

By using a 13kW AqualIntel heat pump to heat up a 50m<sup>3</sup> pool by 1°C, you can save 1012kW of energy consumption over a pool season. That's nearly double the energy saved when compared to an equivalent 13kW On/Off heat pump.



## Energy consumption comparison

| Heat pump                    | AqualIntel 13kW    | On/Off HP 13kW |
|------------------------------|--------------------|----------------|
| COP (air 27°C/water27°C)     | 9.6 @ 50% CAPACITY | 5              |
| Input power                  | 0.70 kW            | 2.60 kW        |
| Heating time                 | 8.92 hours         | 4.46 hours     |
| Daily consumption            | 6.24 kW            | 11.60 kW       |
| Yearly consumption(365 days) | 2277.6kW           | 4234 kW        |

\*Formula: kW\*h= T \*V (m<sup>3</sup>)\*1.16

| Model   | SW50                            | SW70            |
|---|---------------------------------|-----------------|
| <b>PERFORMANCE CONDITIONS: AIR 27°C/ WATER 27°C/ HUMID. 80%</b> |                                 |                 |
| Heating Capacity (kW)   | 5.0                             | 6.9             |
| COP Range   | 13.0~6.0                        | 13.0~6.2        |
| Average COP at 50% Speed  | 9.1                             | 9.0             |
| <b>PERFORMANCE CONDITIONS: AIR 15°C/ WATER 26°C/ HUMID. 70%</b> |                                 |                 |
| Heating Capacity (kW)   | 3.5                             | 5.0             |
| COP Range   | 6.8~4.5                         | 6.7~4.5         |
| Average COP at 50% Speed  | 6.2                             | 6.3             |
| <b>TECHNICAL SPECIFICATIONS</b>                                 |                                 |                 |
| Advised Pool Volume (m <sup>3</sup> ) *                         | 5~20                            | 15~30           |
| Operating Air Temperature (°C)                                  | -5°C ~ 43°C                     |                 |
| Heat Exchanger  | Twisted Titanium Heat Exchanger |                 |
| Power Supply  | 230V 1Ph                        |                 |
| Weight (kg)   | 33                              | 42              |
| Dimension LxWxH (mm)  | 682 x 318 x 598                 | 744 x 359 x 648 |



## Key Features

- Smart touch controller
- Built in Wifi
- Silent mode
- Double energy savings

# Advantages of choosing an air source heat pump

## Sustainable



Our air source heat pumps use the power of nature to give a low environmental impact. They're designed to save energy for you without compromising on your hot tub needs. They automatically adjust according to the weather forecast. Giving you cheaper, greener and more comfortable heating and energy, now and in the future.

## Peace of mind



Founded by an expert team of more than 20 years of experience, Aquark Technology focus on the R&D and manufacturing of inverter pool and spa heat pumps. This means our products have been tried and tested to and able to cope with all challenges of weather.

## Easy



We have expert installers and sales team who can help you to make a quick and smooth decision regarding purchasing a heat pump as well as offer on the phone support with any questions while you are out and about on installs.

Our team will answer your questions and give you all the help you need.

# Air source heat pump warranty



## Mr. Silence

**Our warranty provides coverage for defects in workmanship and defects or malfunctions that arise during normal use conditions for a period of:**

- 10 years on the compressor
- 5 years heat exchange and
- 3 years on spare parts

This warranty applies only to non-commercial, residential use of the heat pump and only to the original purchaser or original owner if the product was purchased as a gift. The warranty does not cover damage resulting from, neglected, power outages, low water flow, restricted air flow, or any other form of neglect, or abuse. There may be other exclusions to this warranty, as described in the Limited Warranty. It is important to carefully read and understand the terms of the Limited Warranty in order to fully understand the coverage provided. Additionally, any modifications or repairs made to the unit by a non-authorized technician will void the warranty. We recommend regular maintenance and proper use of the unit to ensure optimal performance and to maintain the validity of the warranty.



## Aqualintel

**Our warranty provides coverage for defects in workmanship and defects or malfunctions that arise during normal use conditions for a period of:**

- 2 years on spare parts

This warranty applies only to non-commercial, residential use of the heat pump and only to the original purchaser or original owner if the product was purchased as a gift. The warranty does not cover damage resulting from, neglected, power outages, low water flow, restricted air flow, or any other form of neglect, or abuse. There may be other exclusions to this warranty, as described in the Limited Warranty. It is important to carefully read and understand the terms of the Limited Warranty in order to fully understand the coverage provided. Additionally, any modifications or repairs made to the unit by a non-authorized technician will void the warranty. We recommend regular maintenance and proper use of the unit to ensure optimal performance and to maintain the validity of the warranty.

# Anyplace, Anytime, Anywhere

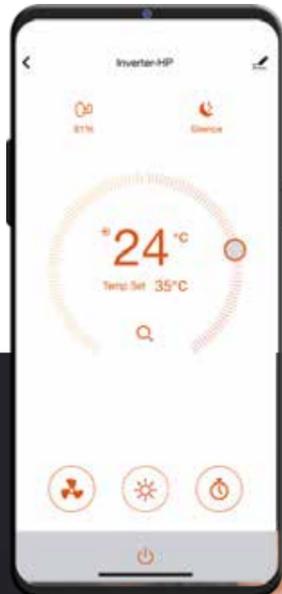
Control your heat pump anywhere and anytime with InverGo.

Available to download on IOS and android devices



## Controller in your hands

Access all the features of your heat pump controller



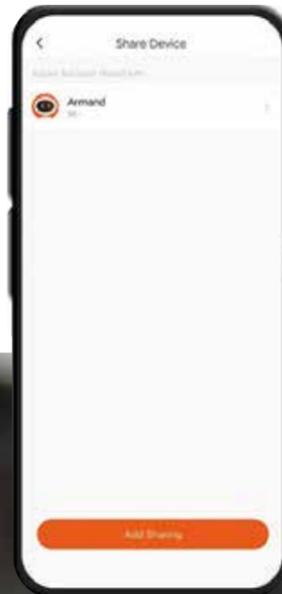
## Set Schedules

Program when or how your heat pump works



## Share with your family

Let your family control Dreaming Silence



giving  
you  
peace  
of mind.



To become a Aquark Heat Pump stockist or  
if you'd like more information please email  
**[sales@superiorwellness.co.uk](mailto:sales@superiorwellness.co.uk)**