



BWT CONNECT

# HEAT PUMP MANAGEMENT TOOL



THE CONNECTED SOLUTION FROM BWT FOR PROFESSIONALS AS WELL AS PRIVATE INDIVIDUALS.

More than just an ordinary heat pump management tool, BWT Connect allows for a direct link to the BWT Technicenter and enables SECURE REMOTE MANAGEMENT of our heat pumps: monitoring, preventative maintenance, and easy servicing.



## The app in detail

BWT CONNECT IS A SECURE, FREE, AND USER-FRIENDLY APPLICATION

Thanks to an intuitive interface, it enables **remote control** of the heat pump via a smartphone or tablet: machine status, water temperature, external temperature, filter pump operation, heating temperature set point, operating mode selection, alarms, programming of operating ranges...

Temperature setpoint adjustment, temperature limit notification, warning message

**BWTROBOTS.CO.NZ**



## PEARL INVERTER HEAT PUMPS

# THE INTELLIGENT SWIMMING POOL HEAT PUMP

*effortless  
heating  
solutions*



- R32 Refrigerant
- Quiet Operation
- Full Inverter
- 10° Temp

OFFICIAL PRODUCT BROCHURE | **BWTROBOTS.CO.NZ**



## SIMPLE AND INTUITIVE OPERATION

Colour digital touch screen.

Modes: Heating, Cooling and Automatic.



## CONNECTED SOLUTION

BWT Connect inside:  
WiFi included.

Remote management with a smartphone and supervision by our TechniCenter.



Contact your dealer for full warranty details and T&C's



## INTELLIGENT OPERATING MODE

The heat pump autoregulates its output depending on the water and air temperature.



## LOW NOISE LEVELS

Noise reduction insulation on all panels and rotation speed of the compressor and fan automatically adjusts to reduce noise to the minimum.



## EXCLUSIVE LOW TEMPERATURE SYSTEM

- Reverse-cycle defrosting.
- Preheating of the compressor housing.
- Antifreeze system for the evaporators condensation.
- Automatic piloting of the 'low temperature' system.



**Optimal Twist:** Titanium exchanger in PVC housing, efficient and corrosion resistant.



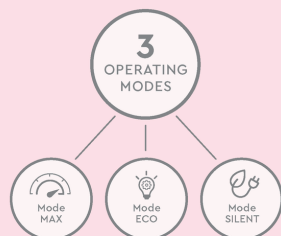
**2D Technology:** Inverter compressor, higher COP thanks to the Hz by Hz variable speed motor.



**DC Brushless:** Variable speed fan motor ensures optimal performances.

## EXCLUSIVE REGULATION AND ENERGY SAVINGS

- Optimization of the power required for maintaining the temperature of the pool by cross-referencing air temperature with water temperature data.
- Anticipation of the pool's energy needs thanks to an advanced double-entry regulation.
- An overall higher COP during the season and lower noise levels.
- Inverter compressor with «oversized» exchangers = higher COP.
- Brushless variable speed fan = lower noise levels.
- Combination of the Inverter compressor and the brushless fan motor = automatic regulation of the power when the pool does not require full power.



## REMOTE MANAGEMENT

A true preventative maintenance tool, the information is transmitted to our TechniCenter, which can then remotely anticipate problems, access the settings and adjust, optimise or even update the heat pump accordingly. The connection via Modbus enables access to all the heat pump settings and allows for their modification in "direct mode".



## SIMPLIFIED INSTALLATION

A WiFi device is fitted as standard inside all our inverter heat pumps and is easily accessible through a side panel. Simply connect the heat pump to the customer's WiFi network by scanning the QR code on the machine, entering the network security code and pressing the button on the WiFi device to pair.



## PROACTIVITY

Thanks to error code feedback, the TechniCenter can remotely initiate an appropriate After Sales service procedure immediately, even before the pool owner becomes aware of a possible issue or its consequences.



## EXPERT ADVICE

The TechniCenter will be happy to advise you on the efficient management of your swimming pools along with all the possible energy savings for your customer.



## EFFICIENCY

BWT Connect is linked to the BWT TechniCenter and provides our technicians with an overview of the line of connected systems as well as their individual status. In the event of an error code, they can access the device settings via their secure interface to resolve the fault. There is no longer any need to send a technician to the installation to check on the problem, collect basic information or make adjustments to the equipment.

## BWT HPF FRONT DISCHARGE UNIT TECHNICAL SPECS



| MODELS                         | BWT PEARL HPF09 | BWT PEARL HPF13 | BWT PEARL HPF16  | BWT PEARL HPF20 | BWT PEARL HPF24 | BWT PEARL HPF28 |
|--------------------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|
| Pool size guide                | 30-45m³         | 55-70m³         | 70-85m³          | 85-105m³        | 105-130m³       | 130-160m³       |
| Air 28°C / Water 28°C / 80% HR |                 |                 |                  |                 |                 |                 |
| Capacity in MAX Mode           | 9,3 kW          | 13,1 kW         | 16,1 kW          | 20,4 kW         | 24,2 kW         | 27,8 kW         |
| COP MAX Mode                   | 6,5 - 5,5       | 5,6             | 5,1              | 5,2             | 5,4             | 5,2             |
| Capacity in ECO Mode           | 8,8 - 3,5 kW    | 13,1 - 4,2 kW   | 16,1 kW - 5,5 kW | 20,4 - 6,5 kW   | 24,2 - 7,8 kW   | 27,8 - 10,5 kW  |
| COP ECO Mode                   | 10,8 - 5,5      | 11,2 - 5,6      | 10,8 - 5,1       | 10,1 - 5,2      | 10,8 - 5,4      | 10,1 - 5,2      |
| Capacity in SILENT Mode        | 5,8 - 3,5 kW    | 4,2 kW          | 5,5 kW           | 6,5 kW          | 7,8 kW          | 10,5 kW         |
| COP SILENT Mode                | 10,8 - 8,3      | 11,2            | 10,8             | 10,1            | 10,8            | 10,1            |
| Air 15°C / Water 26°C / 70% HR |                 |                 |                  |                 |                 |                 |
| Capacity in MAX Mode           | 6,6 kW          | 9,8 kW          | 11,5 kW          | 14,8 kW         | 18,2 kW         | 22,8 kW         |
| COP MAX Mode                   | 5,3             | 4,7             | 4,4              | 4,5             | 4,4             | 4,2             |
| Capacity in ECO Mode           | 6,6 - 3,2 kW    | 9,8 - 3,7 kW    | 11,5 - 4,2 kW    | 14,8 - 4,9 kW   | 18,2 - 6,8 kW   | 22,8 - 8,1 kW   |
| COP ECO Mode                   | 6,7 - 5,6       | 7,0 - 4,7       | 6,7 - 4,4        | 6,6 - 4,5       | 6,7 - 4,4       | 6,5 - 4,2       |
| Capacity in SILENT Mode        | 3,8 - 3,2 kW    | 3,7 kW          | 4,2 kW           | 4,9 kW          | 6,8 kW          | 8,1 kW          |
| COP SILENT Mode                | 6,7 - 5,6       | 7               | 6,7              | 6,6             | 6,7             | 6,5             |
| Noise levels (min-max)         | 21 - 25 dB(a)   | 23 - 28 dB(a)   | 25 - 30 dB(a)    | 25 - 30 dB(a)   | 26 - 31 dB(a)   | 26 - 32 dB(a)   |

## BWT HPT TOP DISCHARGE UNIT TECHNICAL SPECS



| MODELS                         | BWT PEARL HPT09 | BWT PEARL HPT15 | BWT PEARL HPT20 |
|--------------------------------|-----------------|-----------------|-----------------|
| Pool size guide                | 30-45m³         | 55-70m³         | 85-105m³        |
| Air 28°C / Water 28°C / 80% HR |                 |                 |                 |
| Capacity in MAX Mode           | 9,5 kW          | 15,3 kW         | 20,1 kW         |
| COP MAX Mode                   | 6,3             | 6,3             | 6,1             |
| Capacity in ECO Mode           | 9,5 - 3,2 kW    | 15,3 - 3,9 kW   | 20,1 - 5,5 kW   |
| COP ECO Mode                   | 10,8 - 6,3      | 10,8 - 6,3      | 10,8 - 6,1      |
| Capacity in SILENT Mode        | 3,2 kW          | 3,9 kW          | 5,5 kW          |
| COP SILENT Mode                | 10,8            | 10,8            | 10,8            |
| Air 15°C / Water 26°C / 70% HR |                 |                 |                 |
| Capacity in MAX Mode           | 6,9 kW          | 11,0 kW         | 14,5 kW         |
| COP MAX Mode                   | 4,7             | 4,7             | 4,5             |
| Capacity in ECO Mode           | 6,9 - 3,5 kW    | 11,0 - 5,0 kW   | 14,5 - 7,0 kW   |
| COP ECO Mode                   | 6,6 - 4,7       | 7,7 - 4,7       | 7,9 - 4,5       |
| Capacity in SILENT Mode        | 3,5             | 5,0 kW          | 7,0 kW          |
| COP SILENT Mode                | 6,4             | 6,5             | 6,6             |
| Noise levels (min-max)         | 19 - 28 dB(a)   | 21 - 30 dB(a)   | 23 - 32 dB(a)   |



## AQUAVARIATION SOFTWARE

For correct and accurate heat pump recommendations for your pool, contact your local dealer to use BWT's developed thermodynamic calculation software, Aquavariation ©.

Aquavariation © chooses the right heat pump for your home, optimising factors such as geographical locations and energy consumption. The software uses heat transfer equations to precisely determine the pool's thermal losses, allowing for an accurate recommendation on what heat pump best suits you.

