Antea-VS

Vigipool antenna for variable speed pump

Réf : PF10Y590

Table des matières

Read these instructions carefully before installing, commissioning and using this product.

1. Technical specifications

Dimensions	70 x 116 x 32mm
Electricity supply	5VDC
Weight	210g (Antea-VS + supplied cable)
Protection rating	IP-55
Bluetooth®	Low Energy (v4.x) Conforms to the R&TTE Directive 1999/5/EC
Wifi	802.11 b/g/n and "dual band"; (2.4 Ghz only) **Incompatible with 5GHz WiFi networks**
Compatible pumps	See 3.1
Cable	6x0.22mm² length 3.5m included. Extendible up to 40m (6x0.5mm² minimum).

1. Technical specifications

2. Pack contents

One antenna Antea-VS
One wall bracket + 2 fixing screws and anchors
Cable: 6x0.22mm² length 3.5m
An electronic format manual (QR CODE giving access to this document)

3. Description

The Antea-VS module can be used to control a multi-speed filtration pump and integrate it into a Vigipoolecosystem.
The use of a multi-speed pump offers several major advantages:

- Reducing energy consumption,
- Noise reduction,
- Increased pump life.

This box is connected to the filtration pump by a cable (length 3m50).

The Antea-VS is installed in addition to a Tild Vp. Antea VS cannot be used without Tild VP

3.1. Compatible pumps

Compatible pumps:

- Hayward (Super Pump VSTD)
- Pentair (Superflo VS2/Challenger VS2/Whisperflo VS2/StaRite Intelliflo VS2)
- Speck (Badu Eco Touch/Prime Eco VS)
- Aquagem (PFlow, InverPro,iSaver+,...)

Antea-VS incompatible with Meteor-VP boxes (Meteor + Antea M2)

4. Installation

### 4.1. Wall mounted installation

For safety reasons and in compliance with the NF C15-100 standard, the Antea-VS must be installed

- **either at over 3.50 m from the pool edge. This distance takes into account the distance around obstacles. If the Antea-VS is installed behind a wall, this will then be the distance required to go around the wall and reach to the box..**
- **or in an in-ground space in the immediate vicinity of the swimming pool. In this case the space must be accessible via a hatch which requires a tool to open it.**

The **Antea-VS**

- can be installed outdoors, but it must be sheltered from rain, cleaning or watering spray, and UVs (sunlight).
- is spray resistant *but **must not be installed in a floodable area**.*
- must be placed on a level and stable support and fixed to the wall using the wall mount and the supplied anchors and screws:
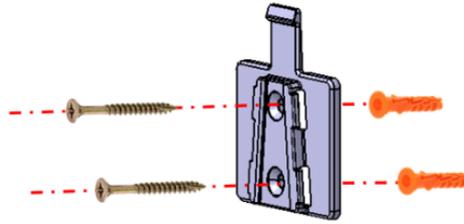
> **Installing it outside the technical room can improve WiFi connectivity if the WiFi source is a long way from it.**

4.2. Connection to electricity

> **Installation of this project involves a hazard of electric shocks. We strongly recommend you contract a professional installer. Incorrect installation puts you in danger and may irreversibly damage the product and the equipment connected to it.**

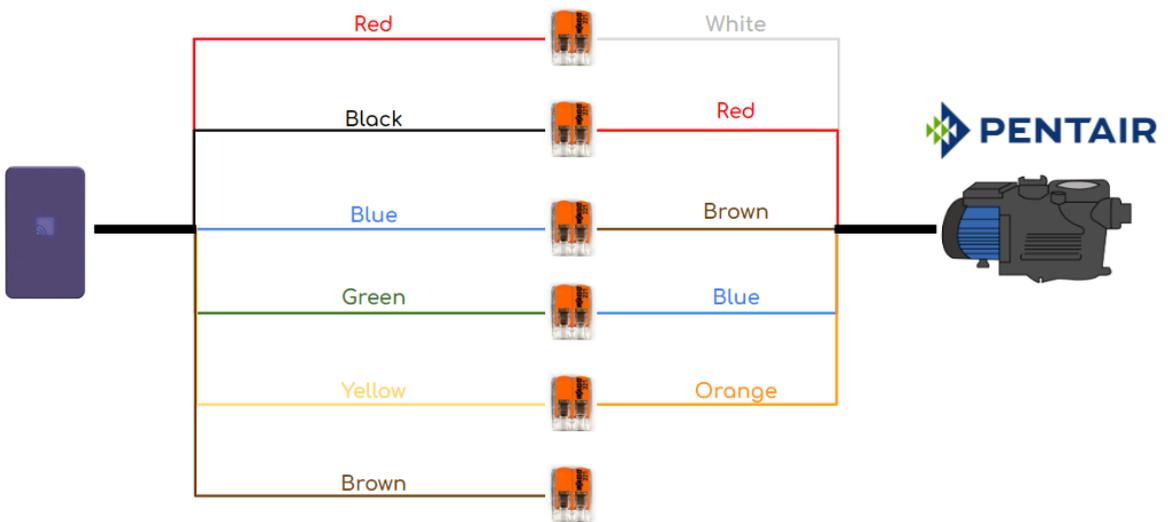> **Cut your pump's electricity supply before proceeding to open it.**

Depending on the pump model, the connection can be made in different ways:
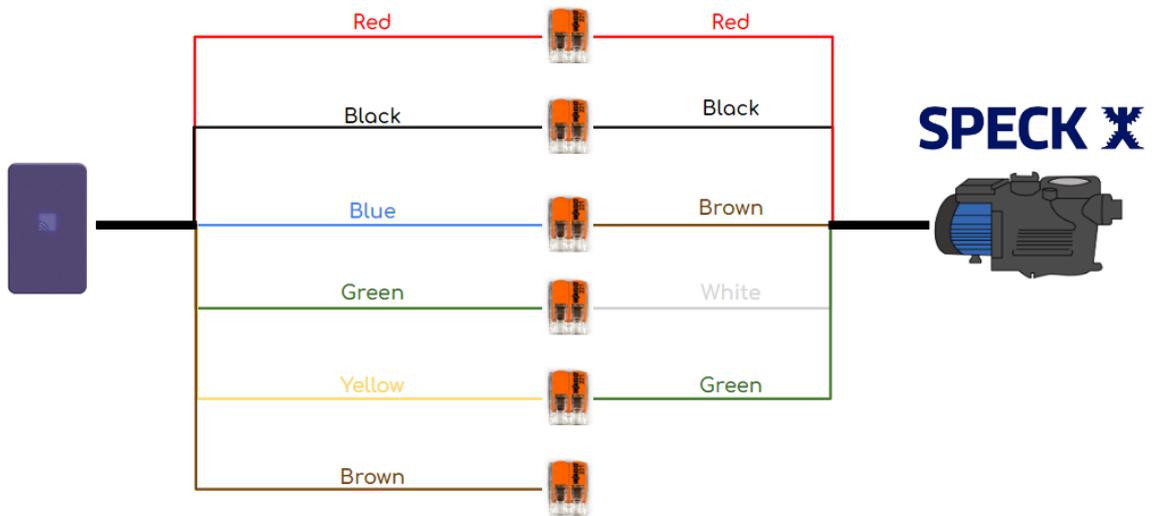
- Hayward (Super Pump VSTD)
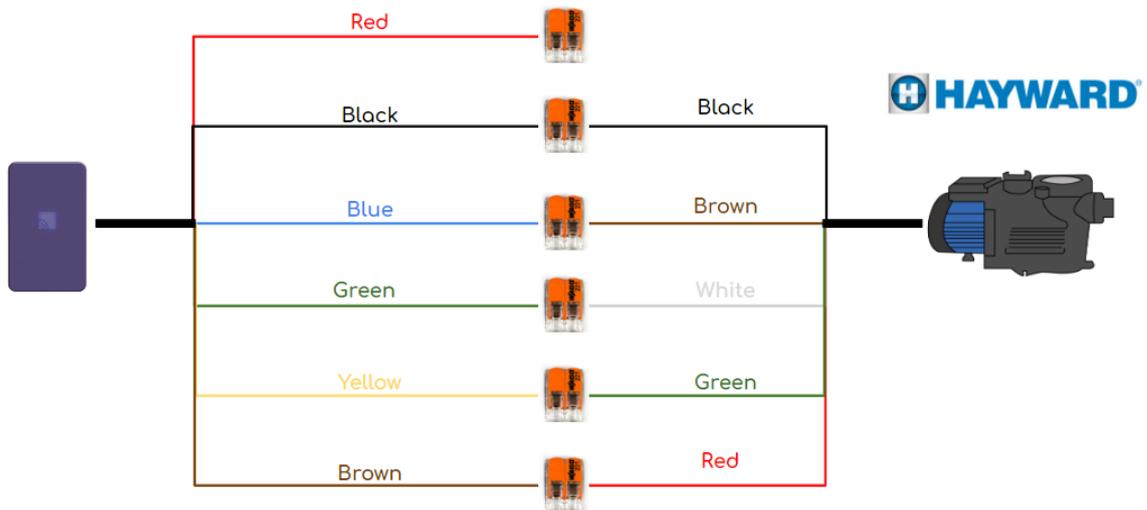
- Pentair (Superflo VS2/Challenger VS2/Whisperflo VS2/StaRite Intelliflo VS2)

For Pentair pumps, an additional cable is required (Ref. Pentair 356324Z/Ref. CCEI PNPR0160). In addition, it is necessary to set the speeds on the pump so that V1<V2<V3 and activate the "External Control Only" mode. Refer to your pump manual.

- Speck (Badu Eco Touch/Prime Eco VS)

Antea-VS	Connector	Speck
Red		Red
Black		Black
Blue		Brown
Green		White
Yellow		Green
Brown		

SPECK

- Aquagem (PFlow, InverPro, iSaver+, etc.)

Antea-VS	Connector	Aquagem
Red		Grey
Black		Yellow
Blue		Red
Green		White
Yellow		Black
Brown		

AQUAGEM®
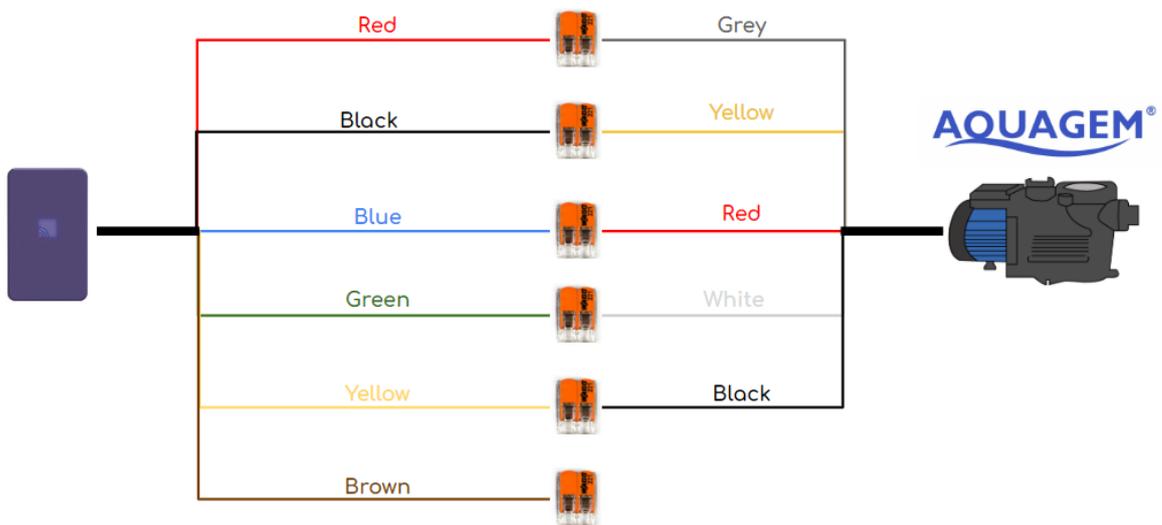
5. Start up

5.1. Powering on

The system starts up as soon as the power supply is switched on.

On start up, the multicoloured indicator (A) on the front flashes while the device starts up.

5.2. Choice of the Vigipool "central unit" appliance

Please refer to the attached "Vigipool World" page for more information

At the end of the initialisation phase (Blue - White - Red sequence), the multicolour LED (**A**) flashes white. This corresponds to the choice of the appliance that will perform the Vigipool "central unit" function (see attached specific "Vigipool World" page):

• If the installation only has this appliance, press the selection button (**A**). The appliance is then configured as a Vigipool "central unit" and other appliances can be added to the installation later.

• If the installation has several Vigipool World compatible appliances

  – And if an appliance is already configured as a Vigipool "central unit", press the button on the Vigipool "central unit" if it has been powered on for more than one minute. (If it has been powered on for less than a minute, there is no need to press its button). Your Antea-VS then connects to the Vigipool "central unit": It stops flashing white and switches to normal operation.

  – If no other appliance is already configured as a Vigipool "central unit", turn on all the appliances and press the button on the appliance you want to use as a Vigipool "central unit". The other products will then connect to the appliance you have validated as the Vigipool "central unit", they stop flashing white and switch to normal operation mode.

If you want to change the Vigipool "central unit" appliance, the system must be reset (see "Resetting to zero")

5.3. iOs / Android applications

To download the Vigipool application click here [https://qrstud.io/2ugieka] or scan the QR CODE below. You can also search for Vigipool using the App Store and Play Store search engines:

5.4. Bluetooth® pairing (if the Antea VS is "Central")

On the first connection (using Bluetooth), after having selected your appliance from the list, to pair your smartphone with the Antea-VS, approach the smartphone until it is in contact with the appliance, or press button (**A**) on it **when the application prompts you to do so** and indicator (**A**) flashes blue quickly.
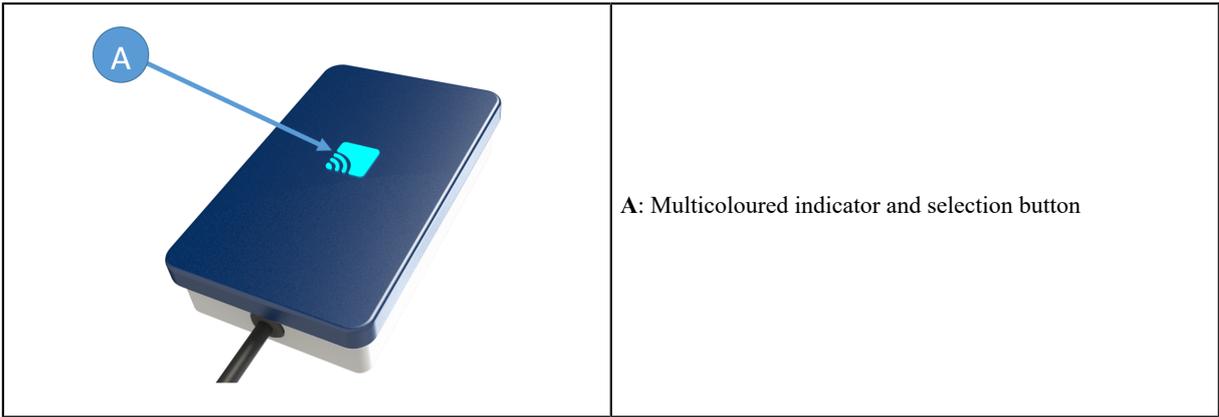
A: Multicoloured indicator and selection button

> ℹ️ **Pairing is only possible *via* the Vigipool app. Do not attempt pairing from the smartphone's Bluetooth settings.**

5.5. Adding new Vigipool devices

If the Antea-VS is configured in Vigipool "Centralunit " mode and you want to add other Vigipool compatible equipment to your installation, the Antea-VS must accept new equipment. There are two possibilities to do that:

- During the first 5 minutes following power up, the Antea-VS configured in "Central unit" mode will accept new equipment,
- Press button (**A**) on the Antea-VS.

> ℹ️ **When the Antea-VS is ready to accept new equipment, multi-coloured indicator (A) flashes green.**

6. Operation

Each pump's operation mode is detailed in its own specific manual: The Antea-VS allows the pump to which it is connected to be connected to the Vigipool network via the Vigipool application.

Antea-VS does not control the switching on and off of pumps, and is always installed in conjunction with a Tild VP.

6.1. Multicolour indicator

Depending on its status, the multi-coloured indicator (**A**) can have different meanings:

Blue - White - Red sequence	Device start-up sequence: This sequence is run at power-up.
Flashing white	Awaiting selection of the Vigipool "central unit" appliance. See section 6.2.
Steady blue	A smartphone is connected to the Antea-VS using Bluetooth.
Flashing blue (slow)	The Antea-VS is configured in Vigipool "Central unit" mode and the WiFi is not configured: Awaiting a Bluetooth connection.
Flashing blue (fast)	Bluetooth pairing in progress. See section 4.1. 1.
Steady green	The Antea-VS is connected to WiFi or to its Vigipool "Central unit".
Flashing green	The Antea-VS is configured in Vigipool "Central unit" mode and accepts the connection of new Vigipool equipment. This state is normal during the first 5 minutes of power supply or 5 minutes after pressing button (**A**). See section 6.4.
Flashing purple	Firmware update in progress.

Red/ Green flashing alternately	If the Antea-VS is configured as a Vigipool "Central unit": Cannot connect to WiFi. Check the entered information and/ or the WiFi network coverage. Otherwise: Connection to the Vigipool "Central unit" impossible.

7. Reset to zero

It may be necessary to reset to zero to return the Antea-VS to factory settings.

To do this:

1. Power off the device (switch on the front of the Meteor2) and wait for about ten seconds,
2. Press selection button (**A**) and <u>keep it pressed,</u>
3. Power on the appliance while keeping the button pressed,
4. Wait for multicolour indicator (**A**) to flash fast in red,
5. Release the button. **All parameters are reset to factory settings**.

Carrying out a reset will erase all parameters in memory (WiFi configuration, pairing of phones and other Vigipool World appliances, etc.). The start up procedure must therefore be rerun after a reset.

A. Declaration of conformity

CCEI (FR47403521693) declares that the Antea-VS product meets the safety and electro-magnetic compatibility requirements of European directives 2014/35/EU and 2014/30/EU.		
CE UKCA		Emmanuel Baret Marseille, on 15/03/2024
Distributor's stamp		
Date of sale: . . . . Batch N°:		