

# *Silenplus*

Variable speed pump for swimming pools

 **ESPA** *evopool*<sup>®</sup>



*Swimming  
pool,  
wellness  
and saving*

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SILENPLUS

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Variable speed pump  
for swimming pools

## ***evopool*<sup>®</sup> THE EVOLUTION IN SWIMMING POOL PUMPS**

One of **ESPA**'s core values is continuous improvement to offer solutions that are adapted to current and future market demands to meet customers' needs and maintain a strong commitment to the environment. In order to achieve our objectives we have a highly qualified team, more than 50 years of experience and a research and development investment strategy.

**ESPA** launches the *evopool*<sup>®</sup>, technology, a breakthrough in efficiency and sustainability that we have integrated into the pool line, adding efficiency, performance and respect for the environment.

*evopool*<sup>®</sup> means progress, and as such it will now encompass all the improvements and innovation that **ESPA** has been developing and introducing in its products and applications for pools. It always guarantees maximum efficiency and sustainable treatment of energy resources. Today and in the future, **ESPA** is *evopool*<sup>®</sup>.



Silen Plus 1M



Silen Plus 3M

***evopool*<sup>®</sup>**

**ESPA**

## The greatest expression of efficiency and sustainability

The **ESPA's Silenplus** includes a frequency inverter with a major innovation in its operation to adapt it for usage in pools: the speed variation in the swimming pool working cycles.

- Greater energy, hydraulic and economic saving
- Ultra-silent operation (45 dB)
- Longer product lifetime
- Automation of pool filtration system
- Easy to install and use thanks to the Evopool App
- Control the cleanliness of the filter

### ESPA evopool App

#### ESPA evopool App includes:

- Simplifies the pump use and start up
- Weekly timer
- Pump parameters management
- Energy savings calculator
- Remote pump assistance
- Autodiagnostic
- Pump updated (firmware)
- Filtration speed calculator



## Technical specifications

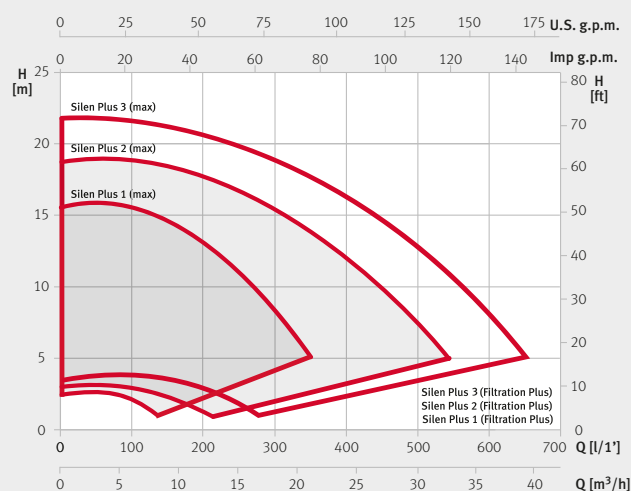
### Electric features

Model	Working cycle <i>evopool</i> <sup>®</sup>	Current [A]	Input power P1 [kW]	Motor power P2	
		1~ 230 V	1~	[kW]	[HP]
Silen Plus 1M	Max	8,0	1,1	0,75	1,0
	Filtration Plus	1,0	0,1		
Silen Plus 2M	Max	10	1,5	1,5	2,0
	Filtration Plus	1,2	0,17		
Silen Plus 3M	Max	14,8	2,6	2,2	3,0
	Filtration Plus	1,6	0,2		

### Dimensions and weights

Model	Long	High	Width	Kg
Silen Plus 1M	495	319	238	11,8
Silen Plus 2M	623,5	334	268	17,9
Silen Plus 3M	623,5	334	268	20,0

### Performance curves



- **Applications** Recirculation and filtering of water from swimming pools. — **Motor** Asynchronous, two poles. IP 55 protection. Class F insulation. Continuous operation.
- **Materials** Pump body, pump foot, impeller, seal mounting and diffuser in technopolymer. Motor shaft in stainless steel AISI 431. Special mechanical seal in AISI 316. Motor housing in aluminium. O-rings in NBR.

## ❖ ESPA evopool® Control System

Detects the position of the multiport valve and transmits it to the pump to automatically activate or deactivate the operation cycle depending on the position, achieving **maximum ease and efficiency of operation**.



## ❖ ESPA evopool® Start-up service and remote assistance

Remote system for start-up and assistance of pool equipment. Via Bluetooth® and the ESPA evopool App, the pump can be programmed and attended from a remote computer in order to facilitate the client the configuration of the parameters according to the installation needs.

### Remote management



For iOS App, the pump must have Bluetooth Low Energy (BLE).

## Savings with silen plus pump

This savings simulation has been estimated with the following data: 180 operation days per year — Electricity cost 0,24 €/kWh — Water cost 1,91 €/m<sup>3</sup>

	Swimming pool volume	Energy savings	Water savings during backwash	Estimated annual savings (€/year)	Carbon footprint
<b>Silen Plus 1</b> VS: Single speed pump 0,75 Hp	30 m <sup>3</sup>	<b>⚡ 84%</b>	<b>💧 58%</b>	<b>€ 329,29</b>	<b>84% CO<sub>2</sub> emissions reduction</b>
<b>Silen Plus 1</b> VS: Single speed pump 0,75 Hp	50 m <sup>3</sup>	<b>⚡ 82%</b>	<b>💧 58%</b>	<b>€ 471,60</b>	<b>82% CO<sub>2</sub> emissions reduction</b>
<b>Silen Plus 2</b> VS: Single speed pump 1,50 Hp	100 m <sup>3</sup>	<b>⚡ 72%</b>	<b>💧 55%</b>	<b>€ 862,45</b>	<b>72% CO<sub>2</sub> emissions reduction</b>
<b>Silen Plus 3</b> VS: Single speed pump 2 Hp	150 m <sup>3</sup>	<b>⚡ 62%</b>	<b>💧 55%</b>	<b>€ 1.161,01</b>	<b>62% CO<sub>2</sub> emissions reduction</b>



Greater economic, energy and hydraulic saving



Ultra-silent operation (45 dB)



Longer product lifetime



Use through the Evopool App



***Greater economic,  
energy and  
hydraulic saving***



ESPA evopool®



*Since 1962*

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