

AQUAGEM®

The **1st** Full Inverter Pool Pump



INVERPRO

INVERSilence TECHNOLOGY

InverSilence technology is self-developed by Aquagem for the most silent and saving pump solutions. It combines with full inverter technology, volute hydraulic system and DC brushless motor, not only allows the pump to run intelligently between 30~100% capacity to fulfill different application like filtration and backwash, but also reduces the sound level more than 30 times and saves energy up to 90%.

INVERSilence[®] Tech

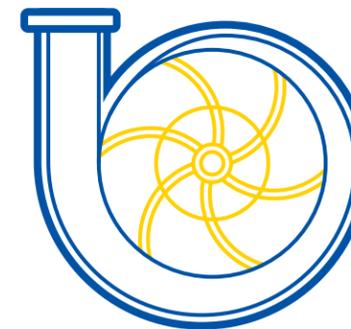
Full Inverter technology

The inverter drive can precisely control the pump speed round by round. It allows the running capacity to be automatically adjusted between 30~100%, which is most energy saving and silent.



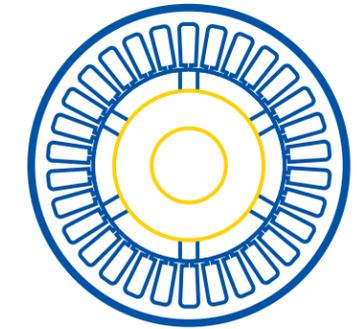
Volute hydraulic system

The noise is isolated by the volute structure which makes more turbulence-free flow at less noise compared with traditional diffuser type.



DC brushless motor

DC brushless motor ensures the pump much less noise, higher efficiency and more durability.



Magic Inverter, Up to 15 Times More Energy-saving



Inverpro

100w
10 m³/h

200w
14.2 m³/h

1050w
25 m³/h

6~15 Times
energy saving

1500w
25 m³/h



ON/OFF Pool Pump

* Flow rate at 8m head

30 Times More Silent than on/off pumps

Whisper

30 dB



Refrigerator 

33 dB



Washing machine

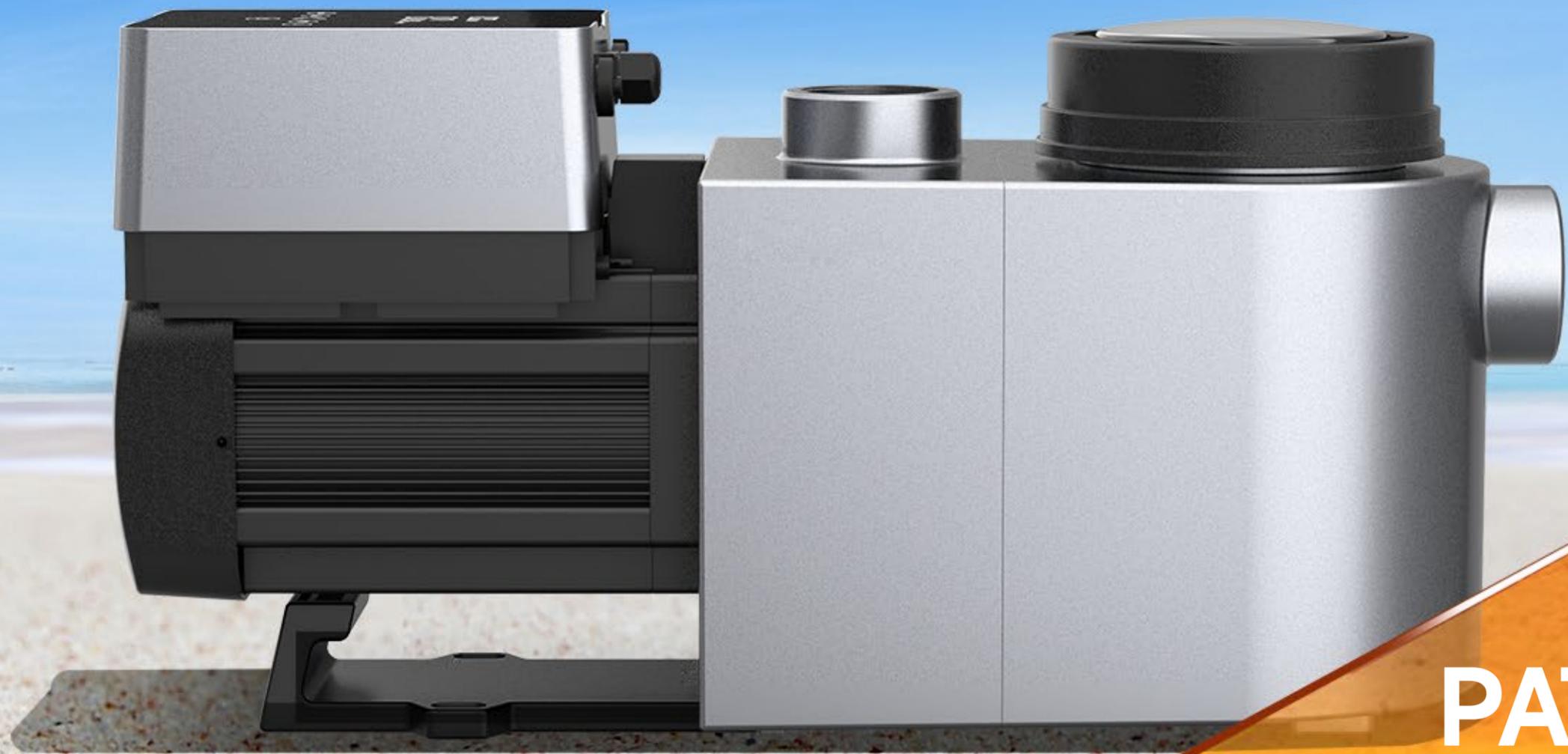
60 dB



ON/OFF pool pump

70 dB





PATENT DESIGN



INTELLIGENT FULL TOUCH CONTROLLER



AI/MI mode optional:

- **Auto Inverter mode:**
After setting the water flow, the pump could automatically detect the system pressure and adjust the running capacity.
- **Manual Inverter mode:**
The running capacity can be set manually according to different application needs.



Power consumption reading



Flow reading



One-click backwash

OTHER FEATURES



External control--RS485 modbus, Digital input, Relay output

It allows the pump to be operated by other equipments.



WIFI

The pump can be controlled at anytime, anywhere.



Soft start--full protection on electrical system

Start from 0 amp to rated amps steadily.



Ambient temperature: -10 - 42°C

Water temperature: 5°C - 50°C



Protection Class: Class F, IP55



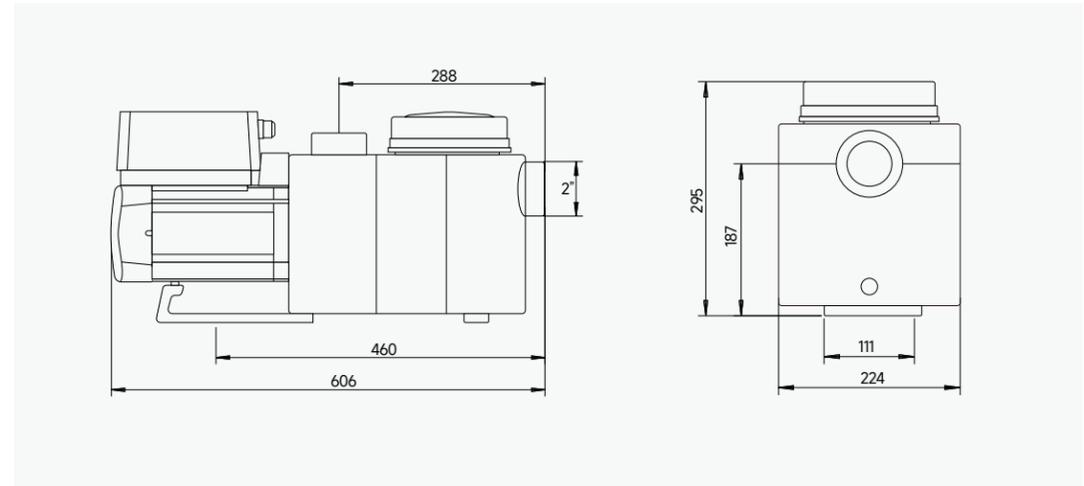
Suitable for sea water pool



TECHNICAL PARAMETER

Model	Advised pool volume (m ³)	P1 (kW)	Voltage (V/Hz)	Current (A)	Qmax (m ³ /h)	Hmax (m)	Circulation Flow (m ³ /h) (Max)	
							10m	8m
IP20	30~50	0.80	220~240 / 50 / 60	3.7	24.8	18.0	15.3	19.4
IP25	40~70	1.05		5.3	27.0	20.0	21.0	24.5
IP30	50~80	1.40		6.5	29.5	21.0	26.5	29.5
IP40	70~100	1.75		8.0	42.0	21.0	34.0	38.0

OVERALL DIMENSION



PERFORMANCE CURVE

