EVOLÍA Series

Permanent Magnet VFD Driven
Multi-Staged Self Priming
Centrifugal Pump

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EVOLÍA is a permanent magnet frequency converted multi-stage self priming centrifugal pump.

- **Super Silent:** Unique fluid noise reduction technology, efficient and silent permanent magnet motor technology, greatly reduce the working noise of the pump to a minimum 30-50 decibels.
- **Convenient Disassembly:** Without the need to disassemble the pipeline, the four screws on the casing can be removed for maintenance and repair.
- **Multiple Protections:** IP55 protection level ensures the safe operation of the water pump outdoors, including leakage warning, water shortage protection, voltage protection and temperature control provide users with a safer and more reliable water experience.

LOW NOISE SUPER-CHARGE High efficiency, low noise

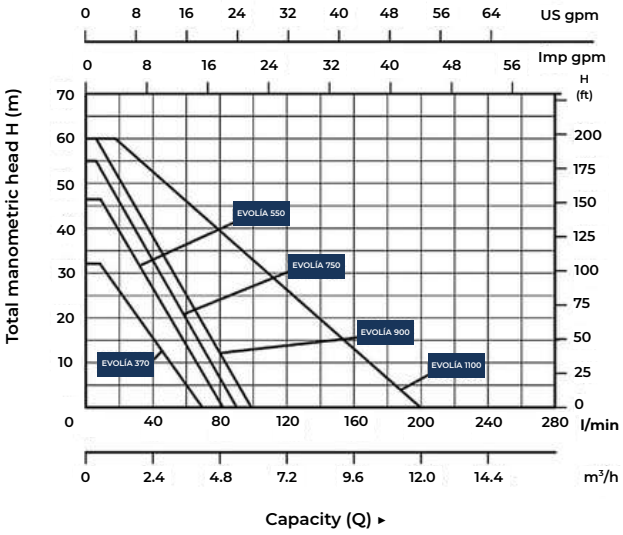
ENERGY SAVING AND ENVIRONMENTAL PROTECTION Energy and power saving

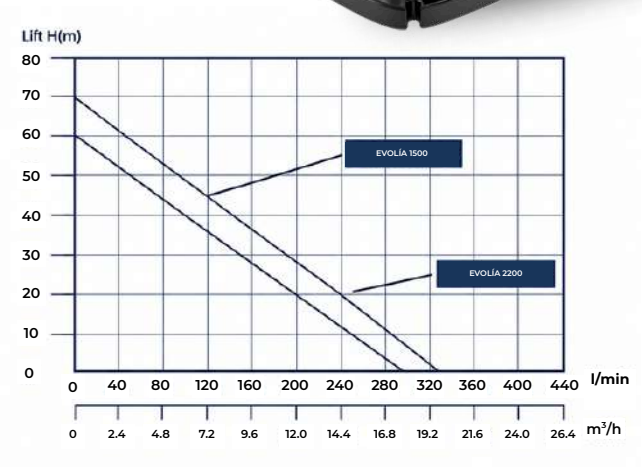
30 db	50 db	60 db
The sound of flowers blooming	Running sound of EVOLÍA	Normal conversation

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CURVE DIAGRAM & TECHNICAL PARAMETERS







Model	EVOLÍA 370	EVOLÍA 550	EVOLÍA 750	EVOLÍA 900	EVOLÍA 1100	EVOLÍA 1500	EVOLÍA 2200
Voltage	165-260V	165-260V	165-260V	165-260V	165-260V	165-260V	165-260V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power	370W	550W	750W	900W	1100W	1.5 kW	2.2 kW
Water Temperature Range	0-75°C	0-75°C	0-75°C	0-75°C	0-75°C	0-75°C	0-75°C
Ambient Temperature	0-50°C	0-50°C	0-50°C	0-50°C	0-50°C	0-50°C	0-50°C
Pressure Adjustment Range	1.5-4.5 bar	1.5-5 bar	1.5-5.5 bar	1.5-6.0 bar	1.5-6.0 bar	1.5-6.5 bar	1.5-7.0 bar
Max. Flow	4.0 m^3/h	5.2 m^3/h	5.6 m^3/h	6.0 m^3/h	12 m^3/h	19 m^3/h	21 m^3/h
Max. Lift	32 m	48 m	55 m	60 m	60 m	60 m	70 m
Rated Flow	1.8 m^3/h	3.0 m^3/h	3.0 m^3/h	3.0 m^3/h	6.0 m^3/h	10.0 m^3/h	12.0 m^3/h
Rated Lift	20 m	24 m	30 m	38 m	30 m	35 m	40 m
Max. Suction	8 m	8 m	8 m	8 m	8 m	8 m	8 m

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CONSTRUCTION

- Multi-stage, centrifugal, permanent magnet driven motor, variable speed pump with a plug and play solution
- Pump body made of thickened stainless steel material which is corrossion resistant
- Microcomputer control system automatically detect and control the motor to keep always constant pressure by changing frequency

APPLICATIONS

- For water supply systems domestic and commercial use for garden and irrigation

FEATURES

- Integrated frequency converter
- Built-in pressure vessel
- High efficiency permanent magnet driven motor
- Motor power / voltage control
- Programmable menu
- Monitoring pressure and current

MATERIALS

- Stainless steel pump body, PPO impeller, carbon-ceramic- NBR mechanical seal

PROTECTIONS

- Dry run protection
- Overland control and overheating motor control
- Power supply control
- Pump clockage prevention
- Stop delay function
- Detects small leakages in system

OPERATING CONDITIONS

- Liquid temperature: 0°C to 75°C
- Ambient temperature: 50°C
- Max. casing temperature: 10 bar
- Suction lift: up to 8m

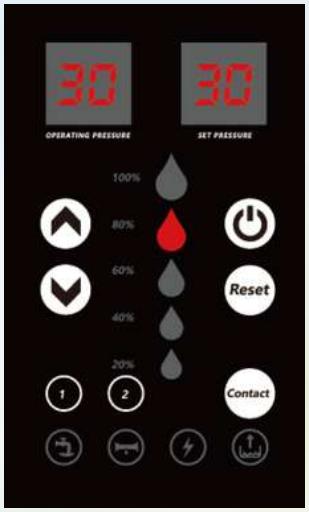
MOTOR

- Variable speed motor
- Max. speed: 5200 rpm
- Frequency: 50 Hz / 60 Hz
- Voltage: 165 – 260 V
- Insulation class: F
- Protection: IPX5
- Constructed in accordance with EN60034-1; EN60335-1, EN60335-2-41

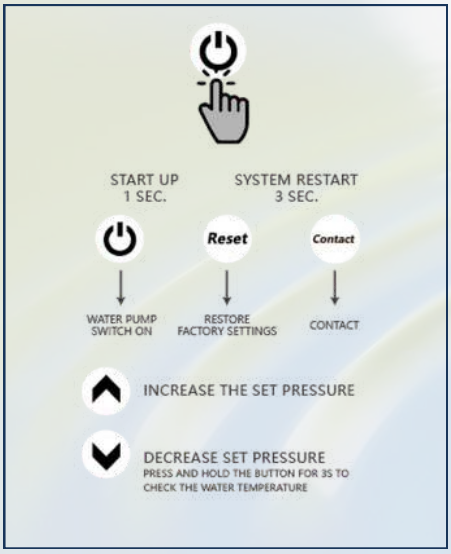
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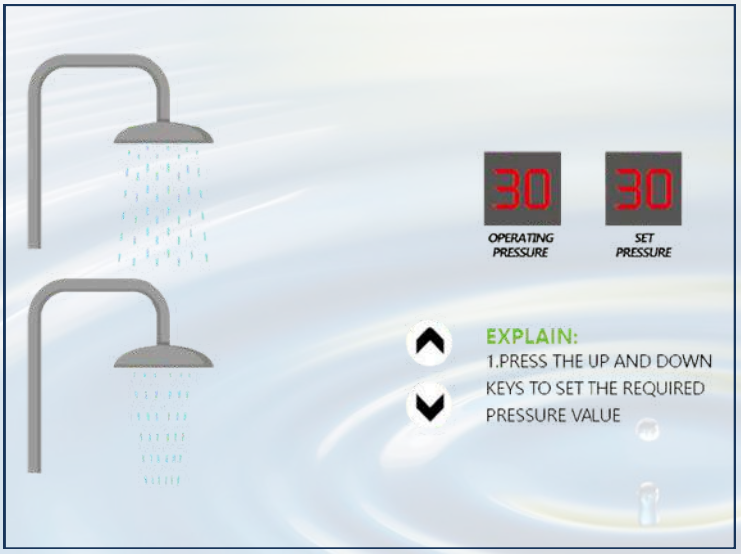




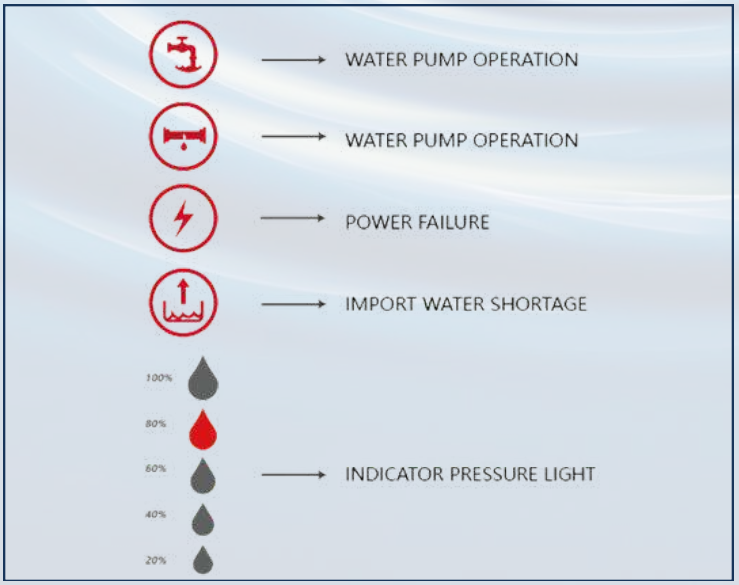
MENU USE



PRESSURE SETTING



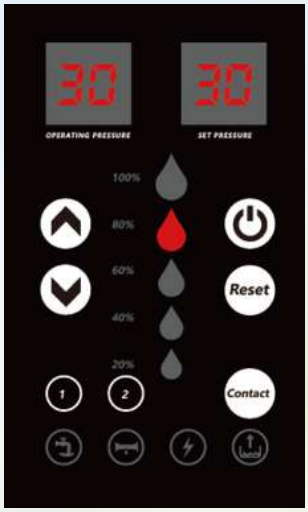
MODE OF OPERATION



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MODE SWITCH

Press key10s,Switch to rev mode,

In constant voltage mode lights on,

In manual cycle mode extinguished.

Remarks: 1. In speed mode, the water pump screen displays the current running speed of the water pump.

2. In this mode, the water pump will not stop. Only when the pressure sensor or controller fails, this mode can ensure that the water pump temporarily uses water.



Increase pump speed

Decrease pump speed

RESET

Press **Reset** key 3s, All parameters are restored to factory settings.

USE MENU



Powered up 1 SEC.

Water pump switch machine started

The electric light is lit The pump starts running

Increase the set pressure

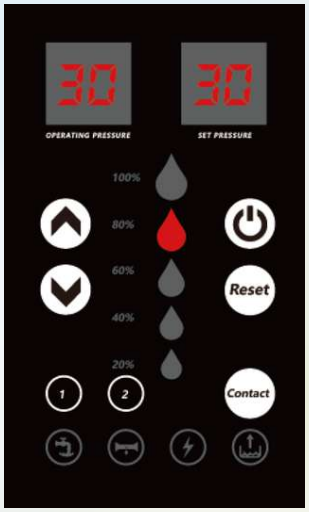
Reduce the set pressure

Long press button 3 s, can check the water temperature

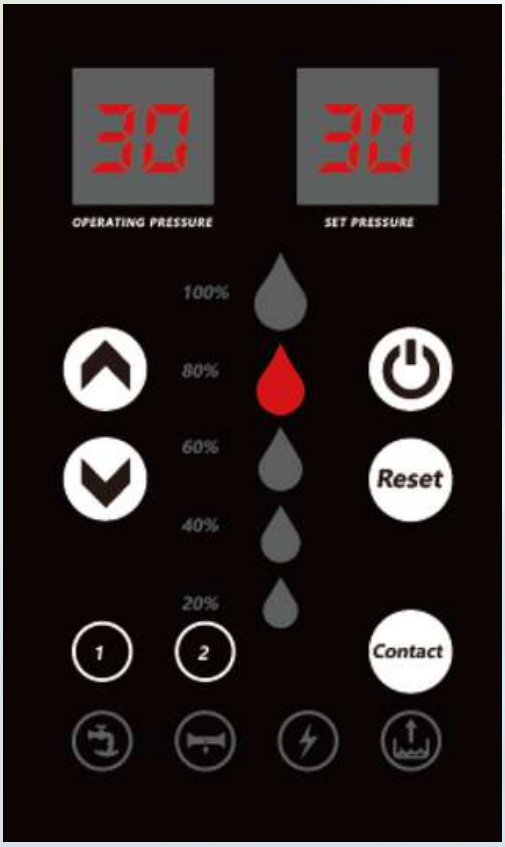
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DIRECTIONS FOR USE



In 2-pumps installation, pressure should be set up consistently in terms of master/slave configuration

Enter the online features:

Pick 1 pumps as a host, long press the button 3 s, into the online setting pattern, the electricity run indicator in the flashing state, on behalf of the online success.

Exit the online features:

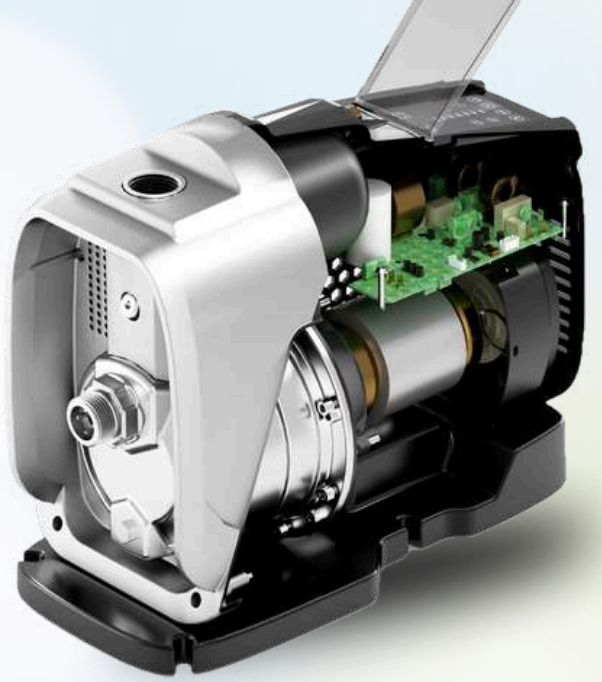
Long press the button 3 s host panel, the red light to stop flashing, representatives have withdrawn from the online mode.

Operation mode:

A. when the host running 0.2 bar pressure below the set pressure, the no. 2 machine automatic startup, automatically adjust the pressure to the set pressure value.
B. when the tap all closed, the pump stop running; To open the faucet, no. 2 machine start, when the machine run 2 pressure below the set pressure is 0.2 bar, the host start automatically.
C. 2 pumps used interchangeably, service life is the same, when one pump fails, automatic exit online function.

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EXPLOSION CHART

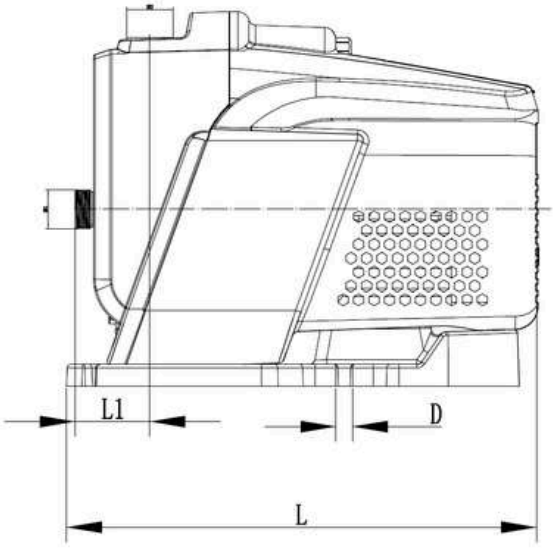


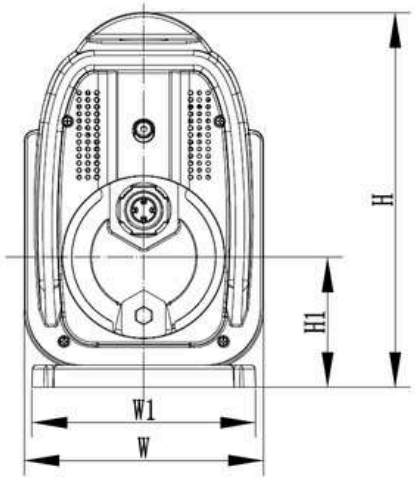


POS	PART	POS	PART
1	Hull	14	Fan cover
2	Water inlet Guide glade	15	Fan
3	Guide glade	16	Capacitor box
4	Impeller	17	Gland
5	Prop	18	Controller
6	Radiation fin	19	Stator
7	Seal holder	20	Overhead tank
8	Pump support	21	Transducer
9	Motherboard	22	Sensor bracket
10	Water proof gland	23	Bottom bracket
11	Rotor	24	Check valve
12	Bearing	25	Pump body
13	Spring Washer	26	Check valve



DIMENSIONAL DRAWINGS

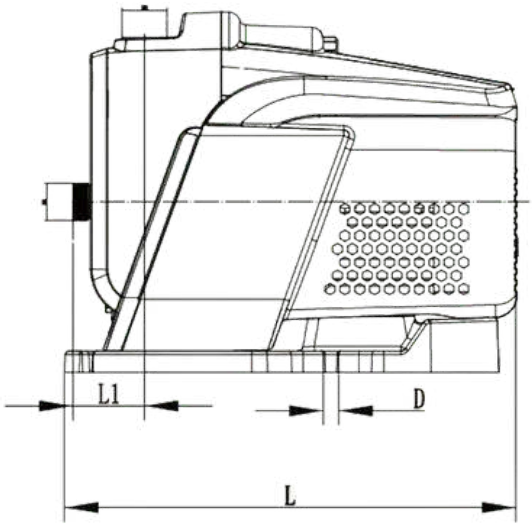


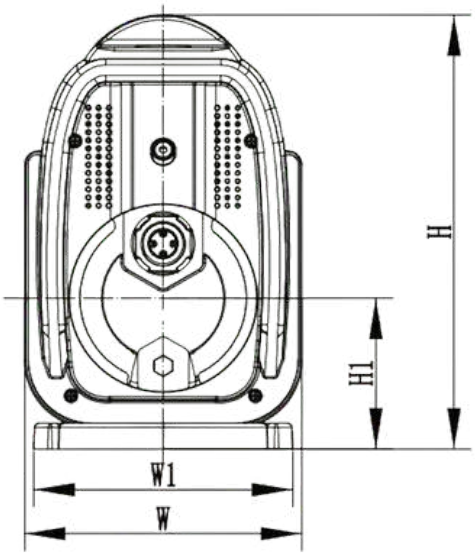


Model	DN1	DN2	L (mm)	L1 (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	D
EVOLÍA 370 & EVOLÍA 550	1"	1"	360	61	184	171	290	95	12
EVOLÍA 750 & EVOLÍA 900	1"	1"	400	64	204	190	320	110	12
EVOLÍA 1100	1-1/4"	1-1/4"	436	107	204	190	320	110	12



DIMENSIONAL DRAWINGS





Model	DN1	DN2	L (mm)	L1 (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	D
EVOLÍA 1500 & EVOLÍA 2200	2"	2"	560	143	256	240	388	135	12

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