



# Smart ATO nano G2

## Manual



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Model

SATO-276D

List of Parts (Can Be Purchased Separately)

Item	Picture	Description
Smart ATO nano G2 Controller		<p>1. Integrated with one Square Dual Sensor and one replaceable Diaphragm Pump with Built-In Anti-Siphon Valve</p> <p>2. Max. Mounting Thickness :                      Holder : 0.12-0.39 inch (3-10 mm)                      Sensor : 1/2 inch (12.7 mm)</p>
Universal Power Adapter		<p>Input : 100-240 VAC 50-60 Hz                      Output : DC 12 V / 1 A</p>
Prefilter		<p>A cleanable connector to remove particles in the reservoir</p>
Prefilter Base		<p>A weighted base keeps the Prefilter in the water</p>
Tubing 6.5 feet (200 cm)		<p>Used with Diaphragm Pump, Prefilter and Anti-Siphon Valve.</p>

## Smart ATO nano G2 Controller



Caution : Risk of Injury  
from Strong Magnets

### Prefilter Base Assembly



- 1 Holes for Fixing Water Inlet Tube
- 2 Power Jack
- 3 Pump Inlet
- 4 Pump Outlet
- 5 Holder
- 6 Hole for Fixing Water Outlet Tube
- 7 Failsafe Sensor
- 8 ATO Level Sensor

### Cleanable Prefilter

Open



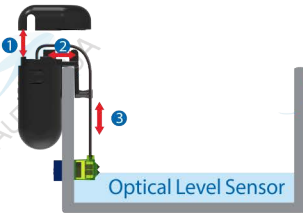
Close



### Specifications

1. Power Input : 100-240 VAC 50-60 Hz
2. Diaphragm Pump :
  - Suction Head : 6.5 feet (200 cm)
  - Flow Rate : 3.2 gph (12 lph)
  - Built-In Anti-Siphon Pressure : 1 feet (30 cm) of water. The height from water level of reservoir to tube outlet must be smaller than 1 feet (30 cm).
3. Tubing I.D. : 5/32 inch (4 mm)  
O.D. : 1/4 inch (6.4 mm)
4. Max. Mounting Thickness :
  - Sensor : 1/2 inch (12.7 mm)
  - Holder : 0.12-0.39 inch (3-10 mm)

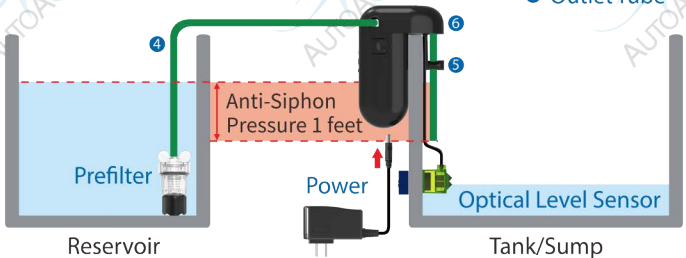
## Installation



Tank/Sump

- 1 Take off the top cover of controller.
- 2 Adjust controller holder to fix on the tank/sump.
- 3 Adjust lower sensor to the desired water level.\*

- 4 Inlet tube : Pump inlet ↔ Inlet tube ↔ Prefilter ↔ Reservoir.
- 5 Outlet tube : Pump outlet ↔ Outlet tube ↔ Tube hole on controller.
- 6 Put the top cover back to the controller.



### Prefilter :

The Prefilter must be installed before the inlet of the diaphragm pump. **Water Inlet** →



### Adjustable Cable Length :

Simply push the cable back to the main body for adjusting to required length.



\*Please set the sensor away from water outlet and direct light to avoid bubble interference or malfunctions.

**Before starting Smart ATO nano G2**

Connect power and do one-time filling to check there is no water dripping after pump stops. Then, unplug and plug the power adapter back in for reset.

**LED Indicator**

LED Color	Status	Description	Action
Blue LED	Solid	Power on	N.A.
	Flashing	Filling / Pumping	N.A.
	Flashing quickly for a short time.	The fail-safe sensor detects the water level changes.	Check and clean the sensor.
Red LED	Flashing*	QST alarm : 1. Bubble interference 2. Empty reservoir	1. Clean the sensor or move it to an area away from micro bubbles. 2. Refill the reservoir.
	Solid	Power Overvoltage Detection	Check the power adaptor output is 12V, rather than 24V.

**\*After fixing the issues, please unplug the power adapter and plug it back in to reset the device.**

**Quick Security Technology (QST)**

Smart ATO nano G2 uses QST for real-time protection against any failure situation. The controller will give a visual alert when it senses any other refilling time is 6 times longer than the first refilling time.\*\*

QST can detect the malfunction of the sensor or the controller, and the empty reservoir to avoid the pump running dry.

For example, if the first refilling time is 10 sec, it will alert when any other refilling time is over 60 sec.

**\*\*Note : No security time control for the first refilling.**

## Notice

1. Please read the manual before installation. Keep the controller and power adapter dry and avoid any contact with water to prevent malfunctions.
2. Make sure the water flows through the tubing smoothly.
3. Please open and clean the Prefilter every 3 to 6 months for best filter performance.
4. Please visit AUTOAQUA's website to know how to replace the pump.

## Limited Warranty

1. Limited warranty is provided by AUTOAQUA only if your AUTOAQUA Product ("Product") was purchased from an authorized distributor or an authorized reseller.
2. All warranty repairs or replacement are performed by the authorized distributor or authorized reseller in the region where the Product was first shipped by AUTOAQUA.
3. The limited warranty is valid for a period of 1 year under proper installation and normal use from the date of the original purchase listed on the proof of purchase or sales receipt.
4. In the event of a limited warranty claim, proof of purchase or sales receipt (issued to the original purchaser) is required.

Purchase Date

(Y/M/D)

Warranty Period

One year from the purchase date

Place of Purchase

(Store name, phone, email, address)

Service

AUTOAQUA Technologies Co., Ltd.  
7F-7.,NO.229,Fuxing 2nd Rd.,Zhubei  
City, Hsinchu County,Taiwan  
E-mail : [service@autoaqua.com.tw](mailto:service@autoaqua.com.tw)  
[www.autoaqua.com.tw](http://www.autoaqua.com.tw)

\* Please go to [AUTOAQUA](http://AUTOAQUA) website to get the distributor information.

