



# BATTERY WATERING TECHNOLOGIES

THE LEADER IN BATTERY WATERING TECHNOLOGY™








## INSTALLING THE FLOW METER MOUNTING BRACKET

Part Number: DFMPLUS

### Tools required for installation:

- Adjustable wrench
- Drill
- 1/4" Drill Bit
- Tube Cutter
- 5/32" Allen Key
- Measuring Tape
- Marker
- Flat Head Screw Driver
- 7/16" Wrench

### This package contains:

IMAGE	PART NUMBER	DESCRIPTION	QUANTITY
	<b>AQSMB</b>	Mounting Bracket	<b>1</b>
	<b>63163</b>	3/4" GHT to 3/8" Barb (19 mm GHT to 10 mm Barb)	<b>1</b>
	<b>HC5000</b>	Hose Clamp	<b>2</b>
	<b>63002</b>	3/8" Barb by Female GHT	<b>1</b>
	<b>AQX9214A029</b>	1/4" Flat Washer	<b>3</b>
	<b>AQX91831A029</b>	1/4" Nylock Nut	<b>3</b>
	<b>AQX97654A262</b>	1/4" Flanged Button Head Screw	<b>3</b>
	<b>AQX9402T61</b>	14" Velcro Strap	<b>1</b>



- Ensure that the power switch on the AquaSub XTREME™ is in the 'OFF' position.
- Relieve pressure from the pump outlet hose
- If needed, unscrew the Flow Meter from the Direct Fill Link Plus.
- Read instructions in entirety before beginning the installation.

## STEP 1:

**1a.** Place the bracket 5.75" down from the top of the handle.

**Parts needed:**

AQSMB - Mounting Bracket

**Tools needed:**

Measuring Tape

**1a.**



*Confirm bracket orientation.*

**1b.** Mark the outline of the 3 holes in the mounting bracket. This will be a reference of where to drill.

**Parts needed:**

AQSMB - Mounting Bracket

**Tools needed:**

Marker

**1b.**



## STEP 2:

Drill (3) 0.25" holes into the AquaSub XTREME™ tank. Remove any plastic shavings from inside the tank. Only drill through the top layer of the handle.

**Tools needed:**

Drill

1/4" Drill Bit

**2.**



### STEP 3:

**3a.** Hold the mounting bracket to the AquaSub XTREME™. Insert the screw and flat washer through the bracket and tank.

**Parts needed:**

- AQSMB - Mounting Bracket
- (3) AQX97654A262 - Screw
- (3) AQX9214A029 - Flat Washer

**3a.**



**3b.** Install the nylock nuts to the screw and tighten. You will need to put your arm into the inside of the tank.

**Parts needed:**

- (3) AQX91831A029 - Nylock nut

**Tools needed:**

- 7/16" Wrench
- 5/32" Allen Key

**3b.**



### STEP 4:

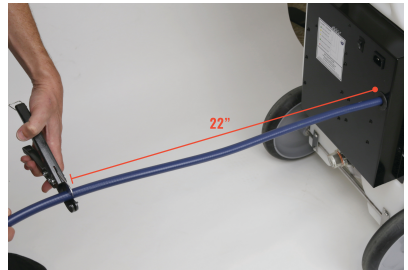
Measure and cut the blue tubing 22" away from the backplate of the cart.

We will refer to the 22" piece of hosing as the *short hosing*.

**Tools needed:**

- Tube Cutter

**4.**



**Note:** We will refer to the hosing attached to the DF72 as the *long hose*.





## STEP 5:

Screw in the 3/4" GHT to 3/8" barb fitting to the right side of the Flow Meter. Use an adjustable wrench to securely fasten.

**Parts needed:**

63163 - Barb

**Tools needed:**

Adjustable Wrench

5.



## STEP 6:

Place the hose clamp over the short hose and insert the hose into the barb fitting.

**Parts needed:**

HC5000 - Hose Clamp

**Tools needed:**

Flat Head Screwdriver

6.



**Note:** Use a flat head screwdriver to tighten the hose clamp



## STEP 7:

Slide the Flow Meter into the bracket. The bracket notches should align with the ribs on the Flow Meter

Note: If standing directly behind the cart, the *short hose* should be on the right side. You should be able to see the Flow Meter. *Reference the image on the cover of this instruction booklet.*

7.



## STEP 8:

Velcro the Flow Meter to the mount.

### *Parts needed:*

AQX9402T61 - Velcro

8.



## STEP 9:

On the *long hose*, place the clamp over the hose and insert the 3/8" barb by female GHT. Tighten the hose clamp into the hose.

### *Parts needed:*

HC5000 - Hose Clamp

63002 - 3/8" Barb by Female GHT

### *Tools needed:*

Flat Head Screwdriver

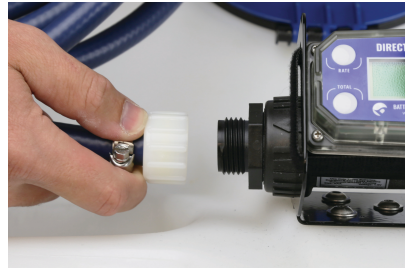
9.



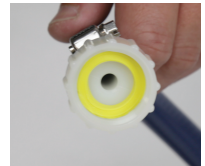
## STEP 10:

Screw in the fitting to the left side of the Flow Meter.

10.



**Note:** Ensure the yellow gasket is inside the fitting before attaching to the Flow Meter.



Return the Aqua Sub XTREME™ to the 'ON' position and test for water tight connections by priming the pump

## **BATTERY REPLACEMENT**

- 1.** Remove the (4) corner screws attaching the flow meter electronics and Bluetooth module to the meter and lift away from the meter.
- 2.** Remove the AAA batteries from the display and then the CR2477 3V lithium cell battery from the Bluetooth module.
- 3.** Check the battery terminals and remove any corrosion.
- 4.** Install the new batteries, preferably starting with the AAA cell battery. For the AAA batteries, make sure the positive posts are positioned correctly. When the batteries are installed correctly, the flow meter powers on automatically and the display will show information.
- 5.** Install the CR2477 battery with the positive side up.
- 6.** Make sure the seal is fully seated before placing the flow meter electronics back on the turbine. Make sure wires aren't obstructing the seal. Tighten the (4) screws previously removed.
- 7.** Do not clean exterior of flow meter assembly with Isopropyl Alcohol, use a damp cloth as needed.

NOTE: It is recommended to replace the batteries every year.



**BATTERY WATERING  
TECHNOLOGIES**

---

336.714.0448 . 877.522.5431

6645 Holder Road . Clemmons, NC 27012

[www.batterywatering.com](http://www.batterywatering.com)