Battery Watering Technologies
Golf Catalog Edition 0912

Faster.
Reduce filling time by 90%

Safer.
Keep battery area safe and clean

Better.
Improve battery life and performance

Offered at...
Solar-Catalog.com
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www.Solar-Catalog.com
It’s been a little more than a year since we launched our new company, Battery Watering Technologies. The change allowed us to become a manufacturer and manage our destiny and the quality of our products. We haven’t just mirrored other products on the market. We’ve created our own unique products that make us better than the competition.

The catalog layout is very similar to past editions. It is chock full of great information to help you determine what products you need and how to order them. You’ll find tips on how to order, specs on the products, as well as warranty information. So stop reading the “Introduction,” turn the page, and dive right in!

Tyler Owen  
Vice President
There are three types of kits offered for golf cart batteries.

1. The Basic Kit - Everything is provided for the kit, however the tubing is not cut or attached to any of the valves.
   
   To place an order for a Basic Kit, determine the valve type needed by using the golf valve guide on page 3. You must know the battery make and model to use the valve guide. After determining the valve type, go to page 6 to determine the basic kit part number needed. All kits ship with the standard 09MBLU1 connector unless specified differently on your order.

2. The Partially Assembled Kit - Valves of 3 or 4 have tubing attached. Extra tubing is provided to complete assembly of the kit.
   
   To place an order for a Partially Assembled Kit, determine the valve type needed by using the golf valve guide on page 3. You must know the battery make and model before using the valve guide. After determining the valve type, go to page 7 to determine the partially assembled kit part number needed. All kits ship with the standard 09MBLU1 connector unless specified differently on your order.

3. The Fully Assembled Kit - Tubing is attached to the valves and the kit is ready for installation. No assembly is required.
   
   To place an order for a Fully Assembled Kit, determine the valve type needed by using the golf valve guide on page 3. You must know the battery make and model before using the valve guide. The drawing number is also required to place an order for a fully assembled kit. See pages 10-16 for our some of the most popular battery drawings. For a complete list of drawings, visit our web site at www.batterywatering.com. Then go to Technical Info / Golf Drawings on our site and enter the manufacturer, vehicle type, year, model, # cells, and battery voltage (see below example of site). All kits ship with the standard 09MBLU1 connector unless specified differently on your order.

Visit www.batterywatering.com to view all golf drawings
# Golf Valve Guide

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Battery Voltage</th>
<th>Battery</th>
<th>Valve</th>
<th>Tube Lengths</th>
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<tr>
<td>Centennial Battery</td>
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<td>GC-2</td>
<td>VB-TBB</td>
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<tr>
<td></td>
<td>8 volt</td>
<td>GC-8</td>
<td>VB-TBB</td>
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<td>CR-GC155</td>
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<td>6 volt</td>
<td>US 2200 XC</td>
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<td>8 volt</td>
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<td>12 volt</td>
<td>US 12V XC</td>
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<td>12 volt</td>
<td>US 12V RX</td>
<td>VB-TBU</td>
<td>1.60 inches</td>
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</tbody>
</table>
Innovative Design

Safety and labor savings are of the utmost importance to Battery Watering Technologies. Our valves are manufactured with the highest quality materials that keep all working parts above the battery cell.

- **Tubing Barbs**
  Eliminates the need for clamps and angled to make installation easy in tight configurations

- **Indicator Eye**
  Visible from the top and side - Confirms proper operation of valves

- **Low Profile Design**
  Drastically reduces the risk of damage from battery cables

- **Clip-in Base**
  Installation is fast and easy - No twisting to lock in place

- **Safe**
  Multiple safety features, including our internal spark arrester, make our valve the safest on the market

- **Solid One Piece Float**
  Acid, temperature and impact resistant - solid construction cannot absorb water

- **Widest Pressure Range**
  The valves operate with pressure up to 35 psi using our filling devices. House static pressure should never be more than 80 psi. If needed, a variety of pressure regulators are available to lower pressure.

www.Solar-Catalog.com
Specialty Valves Available:

- **VB-TBU**
  - Specialty Valve used only with US Battery 12 Volt RXV
  - (See Specifics Under Battery Drawings)
  - *Not Shown*

- **VB-TB5S**
  - Specialty Valve used only with Trojan 6 Volt L16 Batteries
  - (See Specifics Under Battery Drawings)
  - *Not Shown*

- **VC-TB4**
  - Centurion Valve for Group 24, 27, 31 Push in Style with 3/4" vent openings

- **VC-TB5**
  - Centurion Valve for 8D & 4D Batteries
  - Push in Style with 3/4" vent openings

**CAUTION:**

This is a special battery vent opening used in all Trojan Plus Series Batteries and in the US Battery 12V RX.

Please use caution when inserting the appropriate valve into the opening to ensure that the valve/float clear the internal obstruction, otherwise damage to the valve can occur.

[www.solar-catalog.com](http://www.solar-catalog.com)
Basic Kits

**Basic Kits Using VB-TBB Valve**
- **K600B-GLFBCTB** 6 cell basic kit with VB-TBB valve
- **K1200B-GLFBCTB** 12 cell basic kit with VB-TBB valve
- **K1800B-GLFBCTB** 18 cell basic kit with VB-TBB valve
- **K2400B-GLFBCTB** 24 cell basic kit with VB-TBB valve
- **K3600B-GLFBCTB** 36 cell basic kit with VB-TBB valve
- **K4000B-GLFBCTB** 40 cell basic kit with VB-TBB valve
- **K6400B-GLFBCTB** 64 cell basic kit with VB-TBB valve

**Basic Kits Using VB-TBY Valve**
- **K1200B-GLFBCTBY** 12 cell basic kit with VB-TBY valve
- **K1800B-GLFBCTBY** 18 cell basic kit with VB-TBY valve
- **K2400B-GLFBCTBY** 24 cell basic kit with VB-TBY valve
- **K3600B-GLFBCTBY** 36 cell basic kit with VB-TBY valve
- **K4000B-GLFBCTB** 40 cell basic kit with VB-TBY valve
- **K6400B-GLFBCTB** 64 cell basic kit with VB-TBY valve

- All kits ship with our blue connector (09MBLU1) unless specified in writing on the order.
- To order a competitor connector on the end of the kit, add suffix F-Flow-Rite® or G-Grey.
- Delivery items are not automatically added to orders. Only items specified on the purchase order will ship.

www.solar-catalog.com
Partially Assembled Kits

Pictured: K1800B-GLFBCTBUS Partially Assembled Kit
18 cell kit for 6 volt battery
Can be used for Crown, Deka, Trojan, and U.S. Batteries

Pictured: K2400B-GLFBCTBUS Partially Assembled Kit
24 cell kit for 8 volt battery
Can be used for Crown, Exide, Interstate, and U.S. Batteries

Not Pictured: K1200B-GLFBCTBUS Partially Assembled Kit
12 cell kit for 6 volt battery
Can be used for Crown, Deka, Trojan, and U.S. Batteries

Not Pictured: K2400B-GLFBCTBUS Partially Assembled Kit
24 cell kit for 6 volt batteries
Can be used for Crown, Deka, Trojan and U.S. Batteries

Not Pictured: K2400B-GLFBCTBTJ8 Partially Assembled Kit
24 cell kit for 8 volt battery
Can be used for Trojan Batteries

www.Solar-Catalog.com
Partially Assembled Kits with VC-TB4

Centurion Valve for Group 24, 27, 31 Push in Style with 3/4" vent opening 

VC-TB4

Partially Assembled Kits for Group 24 / 27 / 31 Batteries
CK600TB4  6 cell partially assembled kit for Group 24 / 27 / 31 batteries
CK1200TB4  12 cell partially assembled kit for Group 24 / 27 / 31 batteries
CK1800TB4  18 cell partially assembled kit for Group 24 / 27 / 31 batteries
CK2400TB4  24 cell partially assembled kit for Group 24 / 27 / 31 batteries
CK3600TB4  36 cell partially assembled kit for Group 24 / 27 / 31 batteries

Pictured: CK1200TB4 Kit (Partially Assembled)

- To order a competitor connector on the end of the kit, add suffix F-Flow-Rite® or G-Grey.
- All kits ship with our blue connector (09MBLU1) unless specified in writing on the order.
- Delivery items are not automatically added to orders. Only items specified on the purchase order will ship.

www.Solar-Catalog.com
Basic Kits with VC-TB5

Basic Kits for 8D & 4D Batteries

- **CK600TB5**: 6 cell kit for 8D / 4D batteries
- **CK1200TB5**: 12 cell kit for 8D / 4D batteries
- **CK1800TB5**: 18 cell kit for 8D / 4D batteries
- **CK2400TB5**: 24 cell kit for 8D / 4D batteries
- **CK3600TB5**: 36 cell kit for 8D / 4D batteries

- To order a competitor connector on the end of the kit, add suffix F-Flow-Rite® or G-Grey.
- All kits ship with our blue connector (09MBLU1) unless specified in writing on the order.
- Delivery items are not automatically added to orders. Only items specified on the purchase order will ship.

Pictured: **CK1200TB5 Basic Kit**

Centurion Valve for 8D & 4D Batteries
Push in Style with 3/4" vent openings

**VC-TB5**

www.Solar-Catalog.com
Please follow the drawing precisely as shown.

Note: Remove battery caps, lay string of valves on battery as shown in the diagram below. Snap each valve into the corresponding cell. Make sure all tubing remains unobstructed. Water batteries after charging is complete and never leave unattended. Always disconnect from water source after filling.

Please put the drawing number on your order.

Bad Boy XTO with 8 - 6 Volt - Using Crown Batteries
Uses VB-TBB Valves

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-TBB</td>
<td>Low Profile Golf Valve</td>
<td>24</td>
</tr>
<tr>
<td>08TUB6</td>
<td>6mm 1/4” Tubing</td>
<td>9.66”</td>
</tr>
<tr>
<td>08T666N</td>
<td>6-6-6 Tee</td>
<td>1</td>
</tr>
<tr>
<td>09BDCAP</td>
<td>Dust Cap</td>
<td>2</td>
</tr>
<tr>
<td>09MBLU1</td>
<td>6mm 1/4” Male Conn.</td>
<td>2</td>
</tr>
<tr>
<td>08CAP6</td>
<td>End Cap</td>
<td>3</td>
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Connector and dust caps ship unattached

Drawing # GW48-KITCBC

Bad Boy Buggies Classic / Western 48 Volt
Uses VB-TBB Valves

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-TBB</td>
<td>Low Profile Golf Valve</td>
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<tr>
<td>08TUB6</td>
<td>6mm 1/4” Tubing</td>
<td>9.70”</td>
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<tr>
<td>08T666N</td>
<td>6-6-6 Tee</td>
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<tr>
<td>09BDCAP</td>
<td>Dust Cap</td>
<td>1</td>
</tr>
<tr>
<td>09MBLU1</td>
<td>6mm 1/4” Male Conn.</td>
<td>1</td>
</tr>
<tr>
<td>08CAP6</td>
<td>End Cap</td>
<td>2</td>
</tr>
</tbody>
</table>
Drawing # GCC-KITBC

Club Car Carry All - Using Trojan 8 Volt
Uses VB-TBB Valves

![Diagram of Club Car Carry All - Trojan 8 Volt]

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-TBB</td>
<td>Low Profile Golf Valve</td>
<td>24</td>
</tr>
<tr>
<td>08TUB6</td>
<td>6mm 1/4” Tubing</td>
<td>8.16”</td>
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<tr>
<td>08T666N</td>
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<td>09BDCAP</td>
<td>Dust Cap</td>
<td>1</td>
</tr>
<tr>
<td>09MBLU1</td>
<td>6mm 1/4” Male Conn.</td>
<td>1</td>
</tr>
<tr>
<td>08CAP6</td>
<td>End Cap</td>
<td>4</td>
</tr>
</tbody>
</table>

Drawing # GCC-KIT09BCCR

Club Car Precedent for 6 / 8 Volt - Using Crown Battery
Uses VB-TBB Valves

![Diagram of Club Car Precedent for 6 / 8 Volt - Crown Battery]

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-TBB</td>
<td>Low Profile Golf Valve</td>
<td>24</td>
</tr>
<tr>
<td>08TUB6</td>
<td>6mm 1/4” Tubing</td>
<td>8.16”</td>
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<tr>
<td>08T666N</td>
<td>6-6-6 Tee</td>
<td>3</td>
</tr>
<tr>
<td>09BDCAP</td>
<td>Dust Cap</td>
<td>1</td>
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<tr>
<td>09MBLU1</td>
<td>6mm 1/4” Male Conn.</td>
<td>1</td>
</tr>
<tr>
<td>08CAP6</td>
<td>End Cap</td>
<td>4</td>
</tr>
</tbody>
</table>
Please follow the drawing precisely as shown. Note: Remove battery caps, lay string of valves on battery as shown in the diagram below. Snap each valve into the corresponding cell. Make sure all tubing remains unobstructed. Water batteries after charging is complete and never leave unattended. Always disconnect from water source after filling.

**Drawing # GCCP-KITBC**

**Club Car Precedent - Years 2003-07**
*Uses VB-TBY Valves*

---

**Part #** | **Description**        | **Quantity**
--- | --- | ---
VB-TBY   | Low Profile Golf Valve | 24
08TUB6   | 6mm 1/4” Tubing        | 7.30"
08T666N  | 6-6-6 Tee              | 1
09BDCAP  | Dust Cap               | 1
09MBLU1  | 6mm 1/4” Male Conn...  | 1
08CAP6   | End Cap                | 2

---

**Drawing # GCCP-KITC-08BC**

**Club Car Precedent - Years 2008-Present**
*Uses VB-TBY Valves*

---

**Part #** | **Description**        | **Quantity**
--- | --- | ---
VB-TBY   | Low Profile Golf Valve | 24
08TUB6   | 6mm 1/4” Tubing        | 6.83"
08T666N  | 6-6-6 Tee              | 1
09BDCAP  | Dust Cap               | 1
09MBLU1  | 6mm 1/4” Male Conn...  | 1
08CAP6   | End Cap                | 2

---
Drawing # GCP48-KITBC
Columbia Par Car - 48 Volt Kit with Trojan Batteries
Uses VB-TBB Valves

Part # | Description | Quantity
--- | --- | ---
VB-TBB | Low Profile Golf Valve | 24
08TUB6 | 6mm 1/4” Tubing | 7.63”
08T666N | 6-6-6 Tee | 3
09BDCAP | Dust Cap | 1
09MBLU1 | 6mm 1/4” Male Conn | 1
08CAP6 | End Cap | 2
08W160 | Angle 6/0 | 2

Battery Vent Hole:
This battery has an obstruction inside the vent well which can damage the valve if not installed properly. Please make sure the float is properly centered before snapping valve into vent well.

Drawing # GEZ48-KITBCUS3

Part # | Description | Quantity
--- | --- | ---
VB-TBU | Low Profile Golf Valve | 24
08TUB6 | 6mm 1/4” Tubing | 5.11”
08T666N | 6-6-6 Tee | 1
09BDCAP | Dust Cap | 1
09MBLU1 | 6mm 1/4” Male Conn | 1
08CAP6 | End Cap | 2

Battery Vent Hole:
This battery has an obstruction inside the vent well which can damage the valve if not installed properly. Please make sure the float is properly centered before snapping valve into vent well.
Please follow the drawing precisely as shown.

Note: Remove battery caps, lay string of valves on battery as shown in the diagram below. Snap each valve into the corresponding cell. Make sure all tubing remains unobstructed. Water batteries after charging is complete and never leave unattended. Always disconnect from water source after filling.

Please put the drawing number on your order.

Drawing # GEZ-KIT24CBCTB

**E-Z-GO TXT 48V - 6-8 Volt Trojan Batteries**

- **Part #**
- **Description**
- **Quantity**
  - VB-TBB
    - Low Profile Golf Valve
    - 24
  - 08TUB6
    - 6mm 1/4” Tubing
    - 7.20”
  - 08T666N
    - 6-6-6 Tee
    - 1
  - 09BDCAP
    - Dust Cap
    - 1
  - 09MBLU1
    - 6mm 1/4” Male Conn.
    - 1
  - 08CAP6
    - End Cap
    - 2

---

Drawing # GW48KITCPLUSBC

**STAR 48 Volt - T-105 Plus Trojan Batteries**

*Uses VB-TBB Valves*

- **Part #**
- **Description**
- **Quantity**
  - VB-TBB
    - Low Profile Golf Valve
    - 24
  - 08TUB6
    - 6mm 1/4” Tubing
    - 9.70”
  - 08T666N
    - 6-6-6 Tee
    - 1
  - 09BDCAP
    - Dust Cap
    - 1
  - 09MBLU1
    - 6mm 1/4” Male Conn.
    - 1
  - 08CAP6
    - End Cap
    - 2

---

www.Solar-Catalog.com
### Stealth Nighthawk - 6-12 Volt US Batteries
*Uses VB-TBB Valves*

**Drawing # GCSKH-KITBCUS**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-TBB</td>
<td>Low Profile Golf Valve</td>
<td>36</td>
</tr>
<tr>
<td>08TUB6</td>
<td>6mm 1/4&quot; Tubing</td>
<td>11.50&quot;</td>
</tr>
<tr>
<td>08T666N</td>
<td>6-6-6 Tee</td>
<td>3</td>
</tr>
<tr>
<td>09BDCAP</td>
<td>Dust Cap</td>
<td>1</td>
</tr>
<tr>
<td>09MBLU1</td>
<td>6mm 1/4&quot; Male Conn.</td>
<td>1</td>
</tr>
<tr>
<td>08CAP6</td>
<td>End Cap</td>
<td>4</td>
</tr>
</tbody>
</table>

### Tomberlin - with 6-8 Volt US Batteries
*Uses VB-TBB Valves*

**Drawing # GITM-KITCUBC**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-TBB</td>
<td>Low Profile Golf Valve</td>
<td>24</td>
</tr>
<tr>
<td>08TUB6</td>
<td>6mm 1/4&quot; Tubing</td>
<td>8.16&quot;</td>
</tr>
<tr>
<td>08T666N</td>
<td>6-6-6 Tee</td>
<td>1</td>
</tr>
<tr>
<td>09BDCAP</td>
<td>Dust Cap</td>
<td>1</td>
</tr>
<tr>
<td>09MBLU1</td>
<td>6mm 1/4&quot; Male Conn.</td>
<td>1</td>
</tr>
<tr>
<td>08CAP6</td>
<td>End Cap</td>
<td>2</td>
</tr>
</tbody>
</table>
Please follow the drawing precisely as shown.
Note: Remove battery caps, lay string of valves on battery as shown in the diagram below. Snap each valve into the corresponding cell. Make sure all tubing remains unobstructed. Water batteries after charging is complete and never leave unattended. Always disconnect from water source after filling.

Please put the drawing number on your order.

**Drawing # GYM-KITC30BC**

### Yamaha Drive - 6-8 Volt

![Diagram of Yamaha Drive - 6-8 Volt](image)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-TBB</td>
<td>Low Profile Golf Valve</td>
<td>24</td>
</tr>
<tr>
<td>08TUB6</td>
<td>6mm 1/4&quot; Tubing</td>
<td>7.78&quot;</td>
</tr>
<tr>
<td>08T666N</td>
<td>6-6-6 Tee</td>
<td>1</td>
</tr>
<tr>
<td>09BDCAP</td>
<td>Dust Cap</td>
<td>1</td>
</tr>
<tr>
<td>09MBLU1</td>
<td>6mm 1/4&quot; Male Conn</td>
<td>1</td>
</tr>
<tr>
<td>08CAP6</td>
<td>End Cap</td>
<td>2</td>
</tr>
</tbody>
</table>

**Drawing # GYM-KITC29BC**

### Yamaha Drive - 4-12 Volt (used with T-1275 batteries)

*Uses VB-TBY Valves*

![Diagram of Yamaha Drive - 4-12 Volt](image)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-TBY</td>
<td>Low Profile Golf Valve</td>
<td>24</td>
</tr>
<tr>
<td>08TUB6</td>
<td>6mm 1/4&quot; Tubing</td>
<td>8.88&quot;</td>
</tr>
<tr>
<td>08T666N</td>
<td>6-6-6 Tee</td>
<td>1</td>
</tr>
<tr>
<td>09BDCAP</td>
<td>Dust Cap</td>
<td>1</td>
</tr>
<tr>
<td>09MBLU1</td>
<td>6mm 1/4&quot; Male Conn</td>
<td>1</td>
</tr>
<tr>
<td>08CAP6</td>
<td>End Cap</td>
<td>2</td>
</tr>
</tbody>
</table>

www.Solar-Catalog.com
Battery Watering Technologies’ products can be used with most competitor high and low pressure products. We offer a large array of connectors for kit and delivery items to meet our customer’s needs.

**Battery Watering Technologies™**

- **3/8” Female 10mm Connector**
  - 09FBLU1

- **1/4” Male 6mm Connector**
  - 09GRM1

- **3/8” Male 10mm Connector**
  - 09MBLU2

- **1/4” Female 6mm Connector**
  - 09FBLU6

- **1/4” Male 6mm Connector**
  - 09MBLU1

- **3/8” Male 10mm Connector**
  - 09GRM6

- **3/8” Female 10mm Connector**
  - 09FUM1

- **3/8” Male 10mm Connector**
  - 09FUV1

- **3/8” Crimp Hose Clamp 10 mm**
  - HCC500

- **Flow-Rite®**
  - **3/8” Female 10mm Connector**
    - 09FUM1
  - **3/8” Male 10mm Connector**
    - 09FUV1
  - **1/4” Male 6mm Connector**
    - 09FUV6

**Trademark Acknowledgements:**

Flow-Rite® is a registered trademark of Flow-Rite Controls.

www.Solar-Catalog.com
This jumper is needed if you have a water delivery item with the grey connector (part 09GRF1) and need to connect to a kit with the blue connector (part 09MBLU1).

This jumper is needed if you have a water delivery item with the blue connector (part 09FBLU1) and need to connect to a kit with the grey connector (part 09GRM6).
Replacement Parts

- **3/8” 10mm Filter**
  - 09FTR1
  - Use with 3/8” 10mm tubing

- **Dust Cap - Blue**
  - 09BDCAP

- **3/8” Tubing**
  - 10mm
  - 100 feet (30.48 m)
  - Per roll or sold by the foot
  - 08TUB1

- **1/4” Male 6mm Connector**
  - 09GRM6

- **1/4” Clampless Tee**
  - 6 mm
  - 08T666N

- **1/4” Black Tubing**
  - 500 feet (152.4 m)
  - Per roll or sold by the foot
  - 08TUB6BLK

- **1/4” 6mm Filter**
  - 09FTR6
  - Use with 1/4” 6mm tubing

- **Tubing with 1/4” inside diameter (6mm) and 3/8” outside diameter (10mm)**
  - 08TUB6K

- **Tubing with 1/4” 6mm Connector**
  - 09MBLU1

**Filling Tubes**

- **Filling Tube for 18 Cell Kit**
  - 09F L18
  - Grey Connector
  - 24” (610 mm) tubing with 09GRM6 grey connector

- **Filling Tube for 18 Cell Kit**
  - 09F L18N
  - Blue Connector
  - 24” (610 mm) tubing with 09MBLU1 blue connector

Visit www.Solar-Catalog.com
Delivery Guns

The Battery Filling Technologies delivery guns have a built-in flow indicator and pressure regulator which reduces pressure down to 20 psi.

Guidelines: Maximum 80 psi from source into gun.

Water After Charging!

Optional Delivery Guns

<table>
<thead>
<tr>
<th>Part#</th>
<th>Connector</th>
<th>Regulator</th>
<th>Flow Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1000ST</td>
<td>Blue</td>
<td>20 psi</td>
<td>yes</td>
</tr>
<tr>
<td>G1000S</td>
<td>Grey</td>
<td>20 psi</td>
<td>yes</td>
</tr>
</tbody>
</table>

Replacement Parts

- 3/8" 10 mm Flow Indicator: 09FWM1
- 3/8" 10 mm Crimp Hose Clamp: HCC500
- 3/8" 10 mm Barb by Female GHT: 63002
- 20 PSI Pressure Regulator: PRG920

www.Solar-Catalog.com
Manual Delivery Guns

The manual gun cannot be used with automatic watering systems. It is used to manually fill each cell one at a time. In addition, it must have pressure to operate properly.

Water After Charging!

Replace Parts

- Pistol Grip: GHAN
- Filter Screen: 09FIL2
- Nozzle for 5/8" (15.88 mm) Gun: GRN1
- 25 psi Pressure Regulator: PRG925
- Depth Stop Rings for 5/8" (15.88 mm): GOR1
- Quick Connect Male Adapter: L70655
- Female Quick Connect: L70654

www.Solar-Catalog.com
2.5 Gallon Gravity Tanks

The 2.5 (9.46 liter) gallon tank is the most popular water delivery tank for golf applications. The tank should be positioned at least three feet (.91 m) above the batteries to ensure proper water delivery. Tank shelves are sold separately on page 24. Note: Always disconnect tank after watering. Never leave tank attached to the watering system.

Water After Charging!

Replacement Parts

- **NTSCAP**
  Small replacement cap for 2.5 & 5 gallon tanks
- **NTSCAP2**
  Large replacement cap for 2.5 & 5 gallon tanks
- **08TUB1**
  3/8” Tubing 10mm
  *Sold by the foot*
- **09FWM1**
  Flow Indicator 3/8” 10 mm
- **09FTR1**
  3/8” 10mm Filter use with 3/8” 10mm tubing
- **09FBLU1**
  3/8” Female 10mm Connector
- **09FGRF1**
  3/8” Female 10mm Connector
- **09FWM1**
  3/8” 10mm Barb x 3/4 (19.05mm) npt
- **62066**
  3/8” 10mm Barb x 3/4 (19.05mm) npt
- **HC5000**
  Reg Hose Clamp
- **09FTR1**
  Replacement Tubing - Front End For 2.5 Gallon / 9.46 Liter Grey Connector
- **09LTK2**
  Replacement Tubing - Front End For 2.5 Gallon / 9.46 Liter Blue Connector
- **09FGRF1**
  Replacement Tubing - Front End For 2.5 Gallon / 9.46 Liter Blue Connector
- **NTSCAP2**
  Grey Connector 10”L x 10”W x 10”H .25m x .25 m x .25m 5’ (1.5 m) fill line (Not Shown)
The 5 gallon (18.93 liter) gravity feed tank is used for watering larger golf fleets. The tank should be positioned at least three feet (.91 m) above the batteries to ensure proper water delivery. (Tank shelves are sold separately on page 24). Note: Always disconnect tank after watering. Never leave tank attached to the watering system.

Water After Charging!

Replacement Parts

**NTSCAP**
Small replacement cap for 2.5 & 5 gallon tanks

**NTSCAP2**
Large replacement cap for 2.5 & 5 gallon tanks

**09FTR1**
3/8" 10mm Filter use with 3/8" 10mm tubing

**09FWM1**
Flow Indicator 3/8" 10 mm

**62066**
3/8" 10mm Barb x 3/4 (19.05mm) npt

**09FBLU1**
3/8" Female 10mm Connector

**09GRF1**
3/8" Female 10mm Connector

**08TUB1**
3/8" Tubing 10mm *Sold by the foot

**09FWM1**
Flow Indicator 3/8" 10 mm

**HC5000**
Reg Hose Clamp

**09FBLU1**
3/8" Female 10mm Connector

**09GRF1**
3/8" Female 10mm Connector

**TSC2000N**
Blue Connector

**TSC2000G**
Grey Connector

**09FTR1**
3/8" 10mm Filter use with 3/8" 10mm tubing

**09FWM1**
Flow Indicator 3/8" 10 mm

**62066**
3/8" 10mm Barb x 3/4 (19.05mm) npt

**09FBLU1**
3/8" Female 10mm Connector

**09GRF1**
3/8" Female 10mm Connector

**08TUB1**
3/8" Tubing 10mm *Sold by the foot

**09FWM1**
Flow Indicator 3/8" 10 mm

**HC5000**
Reg Hose Clamp

**09FBLU1**
3/8" Female 10mm Connector

**09GRF1**
3/8" Female 10mm Connector

**TSC2000N**
Blue Connector

**TSC2000G**
Grey Connector

www.Solar-Catalog.com
Tank Shelf and Manual Pump

Replacement Parts for the Manual Pump

- 3/8" 10 mm Crimp Hose Clamp
  - HCC500
- Blue 3 oz In-line Pump
  - NTBULB
    - Not Shown
- 3/8" ID x 3/8" ID Check Valve
  - NTCVALVE
    - Not Shown
- 3/8" Female 10mm Connector
  - 09FBLU1
- 3/8" Tubing 10mm
  - 08TUB1
    - Sold by the foot
- 100 feet (30.48 m) on a roll (shown)
Aqua Sub Cart

Cart can be used with most competitors' systems.

- Automatic shut off demand style pump
- Charger included (installed in battery box)
- Direct Fill Link included with pressure regulator
- 15 and 25 gallon (56.78 liter and 94.64 liter) tank available
- Rugged steel construction ensures a trouble-free system
- Tough powder coat finish
- Heavy duty industrial wheels
- Manual gun option available
- Box size for shipping: 48” x 24” x 24”
- 1219.20 x 609.60 x 609.60 mm

- Battery not included - Requires 24 DCM Battery

- Approximate Shipping Weight Empty:
  - 15 Gallon (56.78 Liter): 60 lbs (27.22 kg)
  - 25 Gallon (94.64 Liter): 70 lbs (31.75 kg)

Replacement Parts

- 3/4” GHT to 3/8” Barb
- 19mm GHT to 10mm Barb
- 63163
- 25 Gallon 94.64 Liter Tank only
- TK5250
- 15 Gallon 56.78 Literature
- TK5000

- Direct Fill Link
- DF710ST Blue Connector
- DF710S Grey Connector

- Battery Box
- BB5000

- Charger
- BC5000

- Black Hose
- BH5000

- Pump
- PM5000

- Swivel Wheel
- SV5000

- Straight Wheel
- SW5000

- Handle Bar
- HB5000

- Frame
- FR5000

- www.Solar-Catalog.com
The Aqua Sub Jr.™ is lightweight, durable and great for small and medium jobs. The two-wheeled configuration handles like a piece of luggage. It rolls easily and is powered by a 12 volt battery that is included and mounted in the tank. Charger is also included.
Water Deionizer

The deionizer can easily and inexpensively remove harmful impurities from the water.

Easy Installation – Simply attach the bracket to a wall with four bolts. Connect the input hose to your water supply. Plug the purity light in to a 110/120 VAC outlet. For use in Europe, please use DWEUR adapter.

Purity Light - Monitors the water output and tells you exactly when the cartridge needs to be replaced. When the light changes from green to red, it is time to replace the cartridge.

Cartridge Replacement – No tools are needed. To replace the cartridge, unscrew the canister and put the new one in!

If water has particulates or sediment, a pre-filter is recommended. At three grains per gallon of total dissolved solids you can expect 1000 gallons or 3785.4 liters of capacity.

Our deionizer comes with an input and output hose. It connects to your choice of direct fill link, manual gun, or an approved competitor filling device.

Shipping Weight: 28 lbs (12.7 kg)

Deionizer Water Kit
PW-1800
Hose included
12’ (3.66 m) Hose to Delivery System
6’ (1.83 m) Hose to Water Supply

Deionizer #20 Case Housing
PW-CASE

Hose Clamp
PW-CLAMP
3/8” to 7/8”
10 mm to 22.22 mm

Gasket
PW-151122
O-rings for PW-1800 Housing

1800 Deionizer Replacement Cartridge
PWRC-1800

European Voltage Adapter
DWEUR

Housing Tool
PW-SW4
used to tighten lid on housing

Bracket
PW-BR

Braided Hose
5/8” 15.88 mm
Sold by the foot
PW-HOSE

Fittings Sold Separately

www.Solar-Catalog.com
The technologically advanced i-Lite™ Sensor improves battery maintenance by alerting operators with a bright visual indication when it is time to water the batteries. The sensor is so smart, it can tell the operator how long the battery went without water!

**Easy to See and Use**
- Solid green light means electrolyte level is okay
- Solid red light means water is needed
- Blinking red light means the battery has had low electrolyte level for 10 days or longer
- Re-set mode allows user to determine exactly how many days/months the battery has had low electrolyte levels
- Probe can be mounted in the center of the battery and the light placed where it is easy to see
- EPDM Grommet ensures perfect seals between the probe and the cell.
- No calibration necessary

**Safe**
- Electronic Housing is separate from the sensor probe making this the safest sensor on the market.
- Multiple fuses eliminates any possibility of unrestricted current flow in any direction.
- Sensor is protected against transient voltages and incorrect polarity.
- Eliminates the need for battery room attendants to peer into vent wells to check electrolyte levels.

**Technical Specifications**
- Operating Voltage: 8-16 V Nominal
- Current Consumption: 30 mA
- Acceptable Exposure Range: -20°C to 160°C
- -29°C to 71°C
The technical service kit is a great tool to have on every service truck in the field. It saves time and money by enabling Service Technicians to make repairs on the spot.

Technical Service Kit
TK1000G

Also Available:

Empty Technical Service Kit Box
55328
Assemble the parts you need

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>08T666N</td>
<td>Clampless Tee 1/4” (6 mm)</td>
<td>12</td>
</tr>
<tr>
<td>08CAP6</td>
<td>End Cap</td>
<td>10</td>
</tr>
<tr>
<td>VB-TBB</td>
<td>Low Profile Golf Valve</td>
<td>20</td>
</tr>
<tr>
<td>55328</td>
<td>Plastic Technical Kit Box</td>
<td>1</td>
</tr>
<tr>
<td>08TUB6K</td>
<td>1/4” ID &amp; 3/8” OD Hose .20 ft or 6.09 m</td>
<td></td>
</tr>
<tr>
<td>09MBLU1</td>
<td>1/4” Male 6mm Connector</td>
<td>5</td>
</tr>
<tr>
<td>09FBLU1</td>
<td>3/8” Female (10mm) Conn</td>
<td>3</td>
</tr>
<tr>
<td>HCC500</td>
<td>Crimp Hose Clamp</td>
<td>8</td>
</tr>
</tbody>
</table>

www.Solar-Catalog.com
Battery Watering Technologies

Tubing

3/8" Tubing
10mm
100 feet (30.48 meters)
per roll
or sold by the foot
08TUB1

Tubing with
1/4" inside diameter
(6mm) and
3/8" outside diameter
(10mm)
08TUB6K

12 feet
3.66 meters
Delivery Hose
HOSE-121

1/4" Black Tubing
500 feet (152.4 meters)
per roll
or sold by the foot
08TUB6BLK
(not shown)

Tubing Cutter
TUBECUT

www.Solar-Catalog.com
Excessive pressure can cause valves to snap shut prematurely. Insufficient pressure will cause the cells to fill more slowly and will delay closing. Battery Watering Technologies offers a variety of pressure regulators to assist in controlling house pressure.

Since municipal water supplies vary in static pressure from very low to very high, we recommend filling through our delivery system that has a built in regulator to drop the static pressure at the connector down to 20 psi.

The PRG920 is a 20 lb pressure regulator. It works between 20 and up to a max of 100 psi (it brings the pressure down to 20 psi).

* This is the regulator that ships standard with the delivery items.

If the municipal supply static pressure is above 90 psi, we recommend a brass regulator upstream to knock the incoming pressure down. If a municipal supply has a very low pressure (<20 psi), call Customer Service to discuss appropriate delivery items.

The brass regulator PBR101 should be used in applications where house pressure is over 80 psi. It can handle up to 400 psi and is adjustable from 25-75 psi. The Battery Watering Technologies water gun or direct fill link would then be connected downstream to bring the pressure down to the required range.

The brass regulator PBR102LP is a low pressure regulator that is adjustable from 10-35 psi. It can be used with the automatic water control to regulate the pressure.
Battery Watering Technologies Standard Warranty Policy:

Battery Watering Technologies is a division of FourShare, LLC herein referred to as BWT, located in Clemmons, North Carolina. BWT makes only those warranties to original buyer as are contained in sales invoice or other written materials provided by BWT, if any. Equipment and accessories not manufactured by BWT are warranted only to the extent of the original manufacturer’s warranty, if any. BWT’s liability for or arising out of any defective or nonconforming equipment, service, or accessories is limited to repair or replacement or return of purchase price, FOB BWT Sales Office in Clemmons, North Carolina, USA, which is agreed to be buyer’s sole and exclusive remedy.

All BWT valves, floats, and gaskets are warranted to be free of defects in workmanship and materials for a period of five (5) years from date of shipment. If BWT valves, floats or gaskets are determined to be the cause of a battery cell failure, BWT will repair or replace the damaged battery or cell within the warranty period at the discretion of BWT. Warranty date will be determined by valve date and/or invoice date. If defects in workmanship or materials are found within that period, the valve, float, and gasket will be replaced.

Buyer acknowledges that the limitations and disclaimers herein described are conditions of sale and that they constitute the entire agreement between the parties regarding warranty or any other liability.

All BWT items other than valves, floats, and gaskets are warranted to be free of defects in workmanship and materials for a period of one (1) year from date of shipment. If defects in workmanship or materials are found within that period, the BWT items will be repaired or replaced.

No warranty whatsoever will apply if and when our operating and maintenance instructions are not complied with or a change is made to the system or parts are exchanged or consumables are used which are not in compliance with our original specifications or recommendations.

The customer must notify us in writing of any defect without delay, but no later than within one (1) week from receipt of the supplied item. The customer is obligated to take random samples of each delivery. Defects that cannot be ascertained within such period of one (1) week through careful inspection and despite the random tests must be notified to us in writing immediately after discovery thereof.

Any defective products will be repaired or exchanged by us at no cost during the warranty period or we will issue a respective credit note to you. The customer will, however, be entitled to claim rescission of the contract or reduction of the purchase price if and to the extent that repair or replacement fail.

In the event of notification of a product defect by the customer, the product complained about must be sent to us for inspection. The preceding paragraphs contain our warranty for our deliveries in a final manner and exclude any other warranty claims of any kind whatsoever.

These warranties are subject to the following terms and conditions:

1. Copy of original sales invoice to user is required.
2. Defective part to be returned to BWT to determine the true warranty cause.
3. Proper operating pressure and installation and maintenance instructions must be followed.
4. BWT products must be installed by an authorized Representative of BWT who has been trained in the proper installation and filling techniques.
5. BWT products must be used with compatible BWT filling device(s) or used within proper pressure ranges as stated in BWT’s operating instructions.
6. Labor rate charge on warranty claims will be $50 per hour.

Battery Watering Technologies Return Policy:

There is a restocking fee of 20% ($25 minimum) for all returned items. If you wish to return parts that are older than 60 days, they will be accepted at the discretion of Battery Watering Technologies management.

Please call 1.877.522.5431 to receive authorization for returns.
By Battery Watering Technologies, a division of FourShare, LLC

Available at…

Solar Taos, LLC
P.O.Box 159
Carson, NM 87517
www.Solar-Catalog.com/battery_filling.com
(575) 751-0620

MADE IN THE U.S.A.