

## 94B Series — Automatic Backwash Controls

**94B-4 | 94B-4L | 94B-8L | 94B-12L**

The Everfilt line of automatic backwash controllers offers the filter system operator the advantages of fully automated filter system backwashing. Filter system automation will quickly pay for itself by providing substantial savings of labor and by also insuring optimum filter performance.

### Features

Display — LCD (Optional 4-Station)

Voltage Input — 120 VAC/12 VDC  
(220 VAC Optional)

Voltage Output — 12 VDC

Quick Release Panel

Seamless, Gasketed Lockable  
Enclosure with External  
Mounting Flange

Resettable Circuit Breaker

Adjustable P.D. Switch

Solar Power Capability

### Other Applications

**Nurseries** — Cooling, Humidifying

**Municipal, Industrial** — Batch Cycle  
Filtration Process

**Irrigation** — Field Valve Rotation



94B-12L Backwash Control System

Differential Pressure Gauge  
(Proprietary to Everfilt PN:1090)



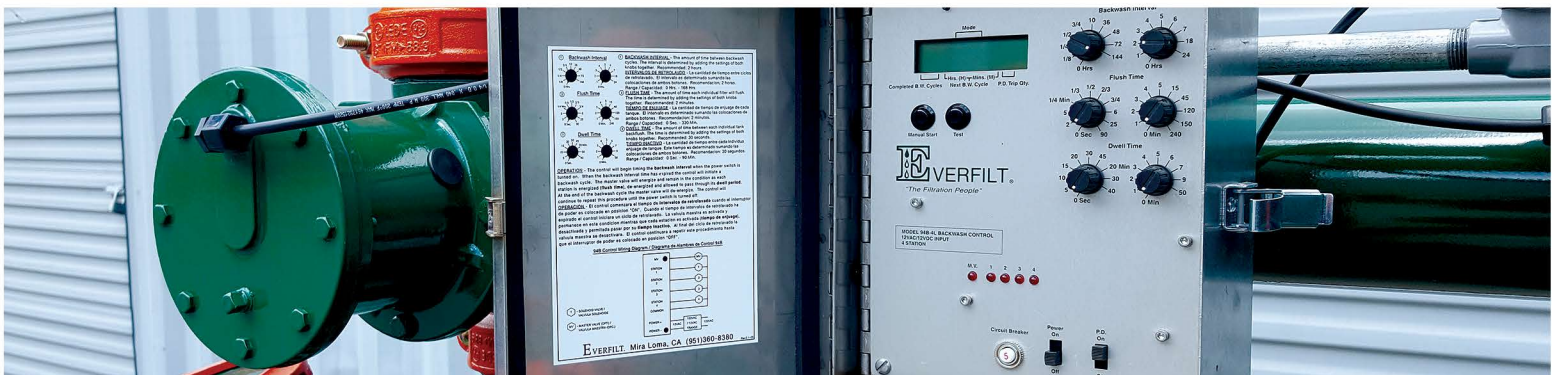


## 94B Series — Automatic Backwash Controls

The 94B series backwash controllers are solid state filter backwash controls capable of operating one master valve and up to twelve backwash valves. The control will initiate a backwash cycle after reaching a predetermined time or by receiving a signal from the pressure differential switch, indicating a dirty filter condition.

The 94B-4L, 94B-8L, and 94B-12L controls are equipped with an LCD Display to monitor total number of backwashes, time remaining until the next backwash cycle and the number of backwash cycles that have been initiated by the pressure differential switch.

Optional slave cable allows connectivity for up to 24 stations.



### Controls

<b>SEQUENCE LAMP</b>	The lamp lights during the sequencing operation.
<b>168 HOUR TIMER</b>	Min. 1/8 hour. Starts sequencing operation at pre-selected time.
<b>TEST</b>	For testing control operation and output stations.
<b>2 SEC. to 330 MIN. FLUSH TIME</b>	Controls backwash time per filter.
<b>0 SEC. to 90 MIN. DWELL TIME</b>	Controls time between backwash of each filter.
<b>POWER SWITCH</b>	Disconnects power to control.
<b>MANUAL START</b>	Initiates new cycle whenever it is pressed.
<b>P.D. POWER SWITCH</b>	Disconnects pressure differential sensor from control.
<b>CIRCUIT BREAKER</b>	Overload protection for control.
<b>PROGRAMMABLE P.D. DELAY</b>	0 to 360 sec.

### Enclosure

<b>ENCLOSURE MATERIAL</b>	304 Stainless Steel — (Explosion Proof Enclosures Optional).
<b>ENCLOSURE MOUNTING</b>	Equipped with Mounting Flange, Top and Bottom.
<b>ENCLOSURE SEALING</b>	Seamless Construction with Gasketed Door, Lockable.
<b>CONTROL WEIGHT</b>	11.0 Lbs.

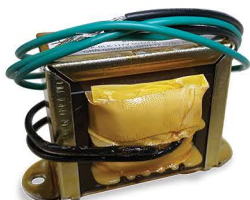
### Features

**Remote Backwash Start:**  
A remote switch closure (from a manual start switch, turbid meter, etc.) will initiate a backwash cycle.

**External Run Input:**  
Remote switch closure will allow control to begin timing function; opening switch will stop timing function. This feature is useful for batch systems or intermittent pumping applications.

**Master Slave Capability:**  
94B-4 — 94B-12L controls can be used as master controls to input any other 94B controls. This feature allows for system expansion up to 24 stations by linking master and slave controls together.

**Nema 4X Enclosures:**  
(contact product specialist to learn more).



Power Transformer  
(Proprietary to Everfilt  
PN: 1187)



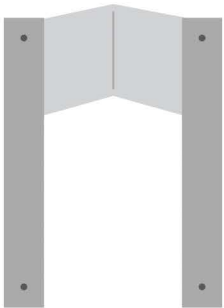
**Protect productivity and profits with an Everfilt® filtration system.**

Everfilt offers complete systems, and individual components to meet your demands. Providing solutions that deliver cost-effective alternatives, along with custom replacement options!

## 94B Series — Solar Panel Configuration

Everfilt understands that not all sites have the required power requirements that your filtration system may need to operate correctly and effectively. With these challenges, comes the **Everfilt Solar Panel Kit**, designed with durability in mind, even in the most extreme conditions. This system provides a turnkey solution, regardless of its location.

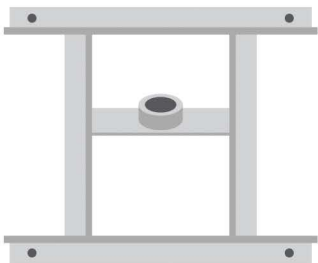
Solar Panel Mount  
1 Ea. Req. — 11.5" (H)



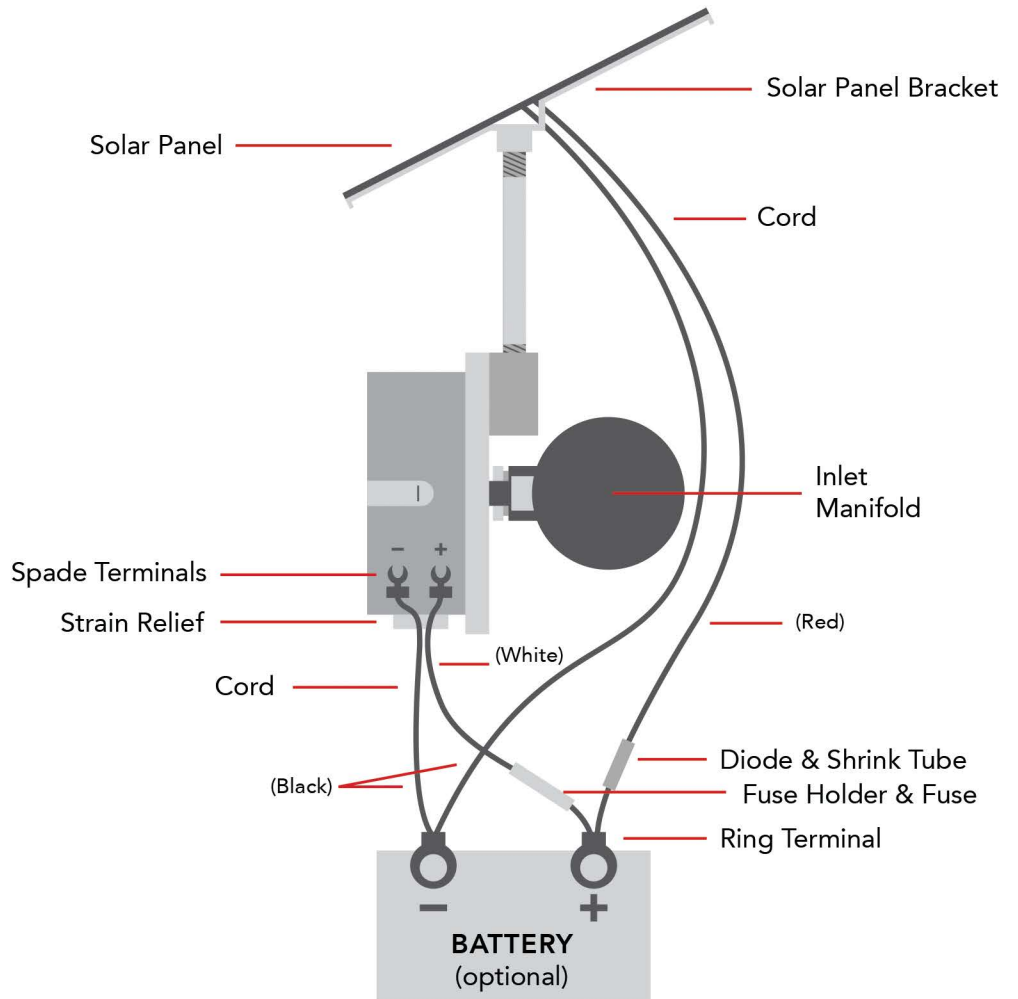
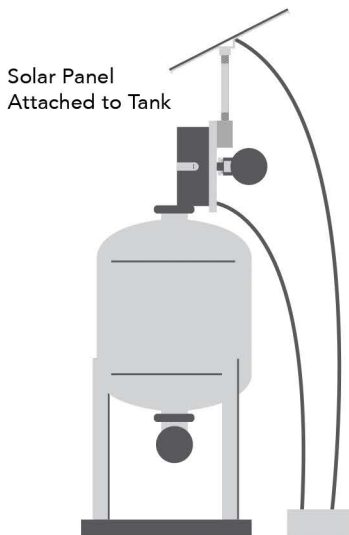
Galv Nipple  
1"x12" (H)



Solar Panel Bracket  
1 Ea. Req.



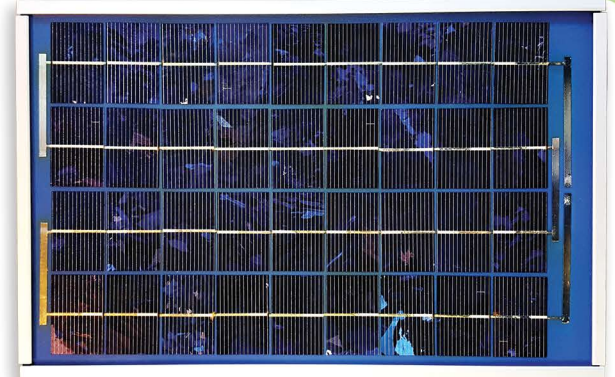
### Solar Power Wiring Instructions:





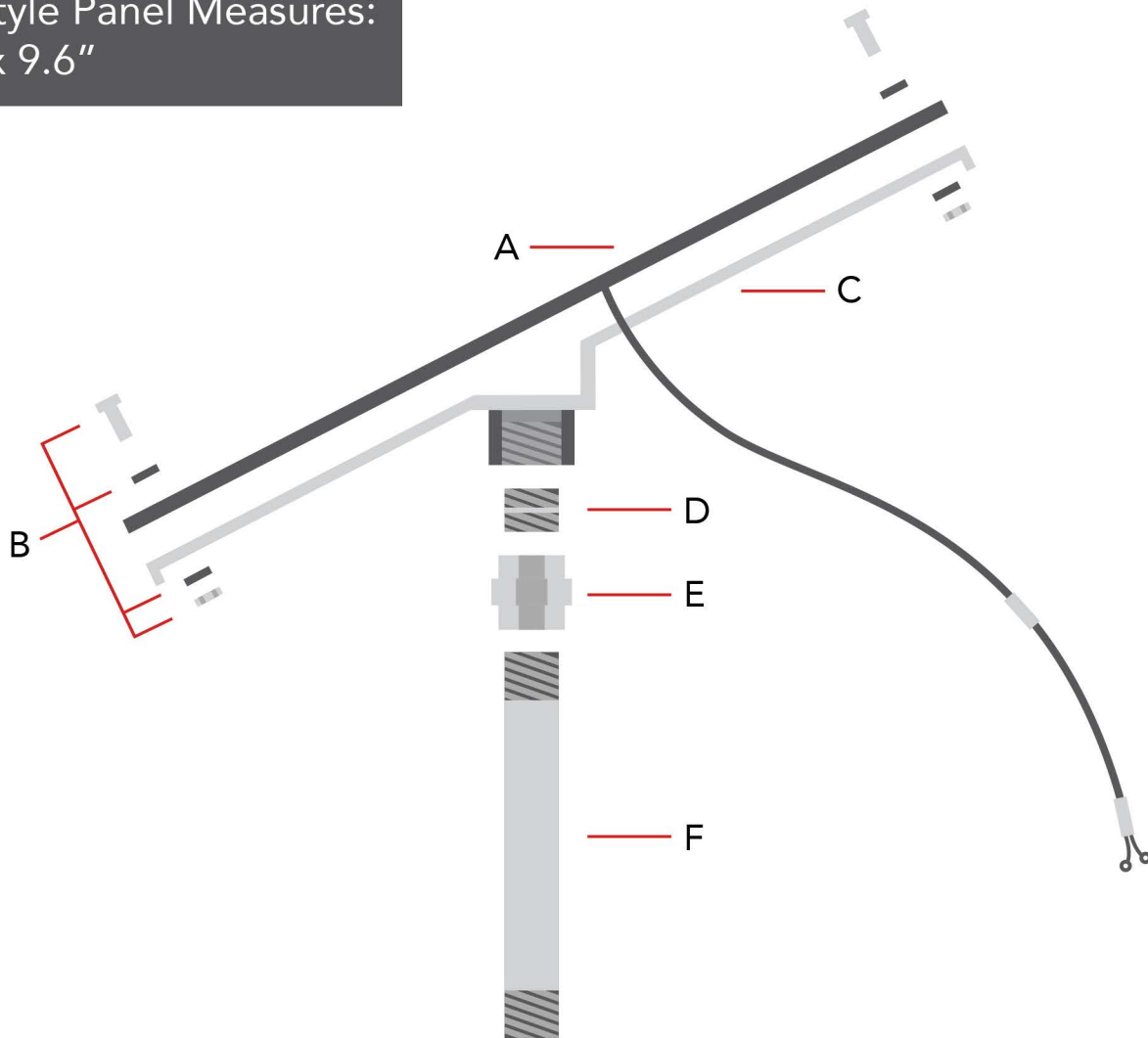
## 94B Series — Solar Panel Configuration

Item	Description	Qty.
A	Solar Panel Assy W/QK Disconnect.	1
B	1/4 - 20x 1 Bolt Set.	4
C	Solar Panel Mt.	1
D	1" Close Nipple, Galv.	1
E	1" Union Galv.	1
F	1"x 12" Nipple, Galv.	1



94B Series - Solar Panel

New Style Panel Measures:  
16.5" x 9.6"



## 94B Series — Solar Panel Configuration

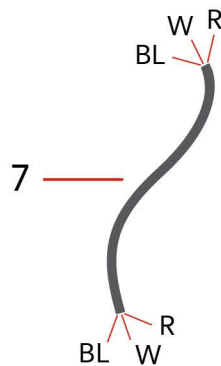
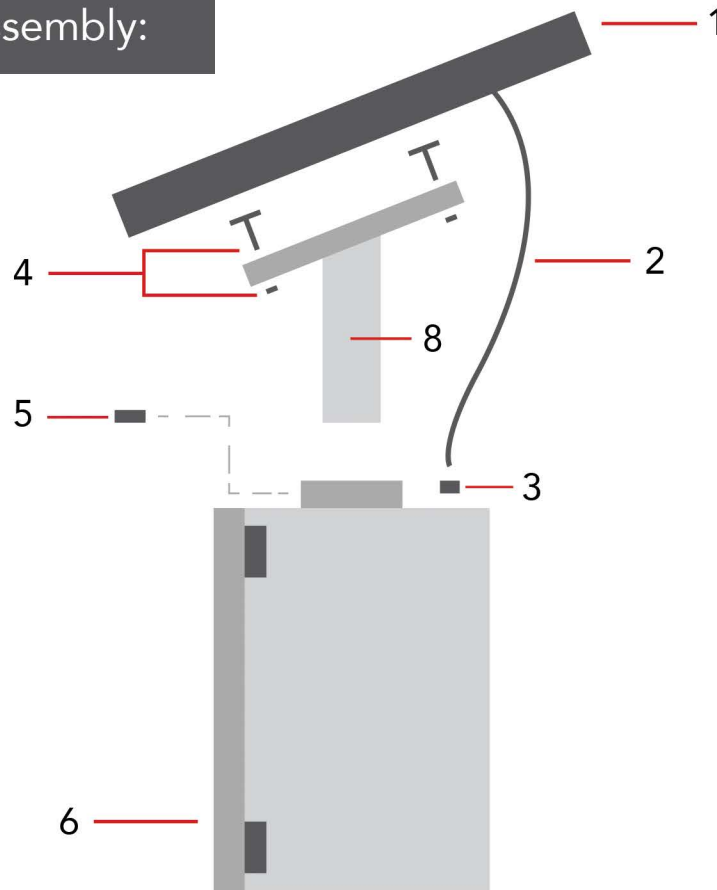
### Components

1.	Solar Panel W/Bracket.
2.	Solar Panel Lead.
3.	Grommet.
4.	1/4 - 20 x 314 MTB Bolt W/Nut (TYP).
5.	Set Screw.
6.	Enclosure.
7.	Wiring Harness (3ft.).
8.	Solar Panel Pedestal



### Solar Battery Kit Assembly:

Side View



### Color Guide

**BL** = Black

**W** = White

**R** = Red



## 94B Series — Solar Panel Components

When designing the **Everfilt Solar Panel Kit**, our goal was a package that provided long-term reliability, all while being exposed to some of the most extreme elements, from below freezing, to temps in excess of 100 degrees fahrenheit. Having a unique, segmented design approach, allows for individual replacement parts as needed.

