



1-BUTTON DISPENSER INSTALLATION INSTRUCTIONS

Model: #91162-00

The Green Earth® II 1-button dispenser allows you to dispense one product for mop buckets and automatic scrubbers. The modular design lets you easily couple together any number of stations to create a system that meets your specific needs.

1. PARTS:

ITEM	DESCRIPTION	QTY
A.	Dispenser Assembly	1
B.	1/4" I.D. X 8' Long Vinyl Supply Tubing	1
C.	7' EVA Chemical Resistant Tubing	1
D.	1 Twist Lock Assembly	1
E.	1/2" I.D. X 6' Long Vinyl Outlet Tubing	1
F.	#10 Screws & Anchor Kit Set ((2) #10 Screws & (2) #10 Anchors	1
G.	Water Inlet Hose	1
H.	Product Label Sticker Sheet	1
I.	Metering Tip Kit	1

2. INSTALLATION:

Note: All installations must conform to local plumbing codes and use the approved backflow preventers. Pressure indicating tee (sold separately) is to be installed with existing faucets according to local plumbing codes in the state of Wisconsin and any other state that requires the use of a pressure indicating tee.

WARNING: Water supply should not exceed 125 PSI, and water temperature must not exceed 150°F.

A. Mounting & Water Supply:

Remove the two cover retainer screws and the cover from the dispenser assembly. Any number of Green Earth® II 1-Button Dispensers can be coupled together by first removing the pipe plugs in all but the last unit, then connecting the male hose thread of one unit to the female inlet hose adapter of the next unit. Mount the unit(s) in position on the wall and locate the position for the mounting screws. Only two screws are necessary to mount up to four units coupled together. Drill all of the holes into the drywall using a 1/4" diameter bit for use with the included #10 screw and anchor set. (If mounting the dispenser to wood and you do not plan to use the included anchors, drill 1/8" diameter holes.) Insert the anchors into drilled holes and hammer them into the wall until they are flush with face of wall. Mount the unit(s) to the wall and replace the covers and screws.

The water inlet is equipped with a female garden hose fitting (with strainer washer) for attaching a water supply hose. The unit is designed so water can be supplied to either side by interchanging the pipe plug and the female hose fitting. **Note: Apply pipe dope, hand-tighten, and then turn 1-1/2 times with a wrench. DO NOT OVER-TIGHTEN.**

WARNING: Do not use Teflon® tape to seal internal plastic threads as the extra thickness of the tape may cause the plastic to crack. Use a non-welding liquid sealant instead.

B. Chemical Supply:

Place the chemical containers in a convenient location not more than 6 feet below the dispenser. (Greater lifts will reduce injection capacities.) Turn the Twist Lock assembly onto the Green Earth® II Box. Cut the vinyl tubing to any convenient length that will allow the chemical supply tubing to extend from the Green Earth® II box to the proportioner inlet barb. (See Figure 1). Install the tubing by pushing the tubing over the barb located on the proportioner. Sticker labels are provided for labeling chemicals.

C. Outlet Tubing:

Attach the 1/2" outlet tubing to the proportioner outlet barb. NOTE: DO NOT force outlet tubing onto the larger barbs on the proportioner.

D. Chemical Injection Adjustment:

WARNING: USE CARE WHEN HANDLING HAZARDOUS CHEMICALS.

Chemical feed rates are controlled by metering tips screwed into the proportioner barbs. Select a tip using the following tip chart.

Item #	Product Name/Description	DILUTION	Tip Color - 1 GPM Bottle Fill	Tip Color - 4 GPM Bucket Fill
17837-00	pH7 ULTRA Neutral Cleaner	1:256	Lime	Pink
33137-00	AF79 CONCENTRATE Acid Free Bathroom Cleaner	1:16	Yellow	Purple
		1:64	Pink	Green
35037-00	QUAT-STAT™ Disinfectant-Cleaner-Virucide	1:64	Pink	Green
34037-00	QUAT-STAT™ SC Disinfectant-Cleaner Virucide	1:256	Lime	Pink
16737-00	CITRUS CHISEL® Cleaner-Degreaser	1:20	Blue	Purple
		1:100	Turquoise	Red
		1:12	Black	Gray
23137-00	BEST SCENT Odor Counteractant	1:64	Pink	Green
15037-00	TOP FLITE™ High Performance Detergent	1:64	Lt. Blue	Yellow
18137-00	DEEP BLUE Glass and Surface Cleaner	1:64	Pink	Green
31637-00	pH7Q Neutral pH Disinfectant-Detergent	1:64	Pink	Green
32437-00	SURE BET™ Foam Shower Restroom Clnr.	1:20	Blue	Purple
19937-00	CLEAR IMAGE Glass and Surface Cleaner	1:64	Pink	Green
32537-00	pH7Q ULTRA Neutral pH Disinfectant-Detergent	1:256	Lime	Pink
31537-00	AF/315 Neutral pH Disinfectant-Detergent	1:26	Green	Black
30637-00	BETCO® 256 Disinfectant-Cleaner	1:256	Lime	Pink
19437-00	EXTREME™ ULTRA Floor Stripper	1:20	Blue	Purple
		1:64	Pink	Green
61837-00	BETCO EXPRESS® ONE STEP Cleaner-Restorer	1:128	Orange	Brown
32037-00	TB PLUS Phenolic Cleaner-Disinfectant	1:128	Orange	Brown
40237-00	FiberPRO™ ES-STEAM Extaction Cleaner	1:128	Orange	Brown
19737-00	VELOCITY™ Nonbutyl Degreaser	1:15	Yellow	Gray
67037-00	BEST SCRUB Top Scrub Floor Cleaner	1:15	Yellow	Gray
19837-00	*GREEN EARTH APC All Purpose Cleaner	1:64	Pink	Green
53637-00	*GREEN EARTH DAILY FLOOR CLEANER	1:256	Lime	Pink
53537-00	*GREEN EARTH GLASS CLEANER	1:64	Pink	Green

* Environmentally Preferable Product

3. **OPERATION:**

The dispenser is now ready for use. Depressing a push button opens the valve, allowing water to flow through the chemical proportioner that mixes chemical at the desired rate. The buttons are spring loaded to prevent accidental overflow if unattended, but may be converted to locking buttons by cutting off the tab at the notch (See Figure 2). Pushing the button and turning it a 1/4 turn clockwise at the end of its travel allows the valve to lock on. This makes it unnecessary for the attendant to hold the button in while filling large containers. Turning the button in a counterclockwise direction will release it, allowing the valve to shut off.

4. **SERVICING:**

CAUTION: TURN OFF WATER SUPPLY BEFORE SERVICING.

A. Proportioner fails to draw chemical:

1. Pinch outlet tube to create back pressure, which will cause unit to prime.
2. Insufficient water supply pressure. 20 PSI is the minimum allowable.

B. Proportioner stops drawing chemical:

1. Proportioner metering tip clogged with dried chemical. Remove tip and try injecting in hot water. If there is no suction, remove proportioner and soak in hot water to clear interior passages.
2. Inspect proportioner to ensure that there are no mineral deposit build-ups on the nozzle. If so, soak proportioner body in deliming solution. (Remove all parts attached to proportioner before soaking in deliming solution.) **Note: Use care when handling hazardous chemicals.**

C. Proportioner continues to draw chemical after water valve closes:

Chemical supply is higher than bottom of discharge tube creating a natural siphon. Lower the supply vessel or hang up outlet tube after use.

D. Valve Malfunction:

Check that the button moves freely up & down and that a "click" can be heard when the button is pushed and released, indicating that the magnet is activating the plunger properly. Remove cover to inspect internal parts, unscrew magnet housing and carefully pull off the enclosing tube so as not to drop the plunger, kick-off spring and spacer. Check for dirt or damage impeding plunger and kick-off spring movement. Inspect the diaphragm, making sure the two small pinholes (bleed holes) in the diaphragm convolution are clear to allow the valve to close.

CAUTION: When servicing unit, be sure that replacement parts have been installed according to the drawing.

RETURNS:

NO MERCHANDISE MAY BE RETURNED FOR CREDIT WITHOUT BETCO'S WRITTEN PERMISSION. RETURN GOODS AUTHORIZATION NUMBER REQUIRED IN ADVANCE OF RETURN.

WARRANTY:

BETCO products are warranted against defective material and workmanship under normal use and service for one year from the date of manufacture. This limited warranty does not apply to any products, which have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, improper voltage supply, physical abuse, or misapplication. Rubber and synthetic rubber parts such as o-rings, diaphragms, squeeze tubing and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of BETCO products. If products are altered or repaired without prior approval of BETCO, this warranty will be void.

Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge, BETCO assumes no liability for damages. Return goods authorization number, to return units for repair or replacement, must be granted in advance of return.

FIGURE 1

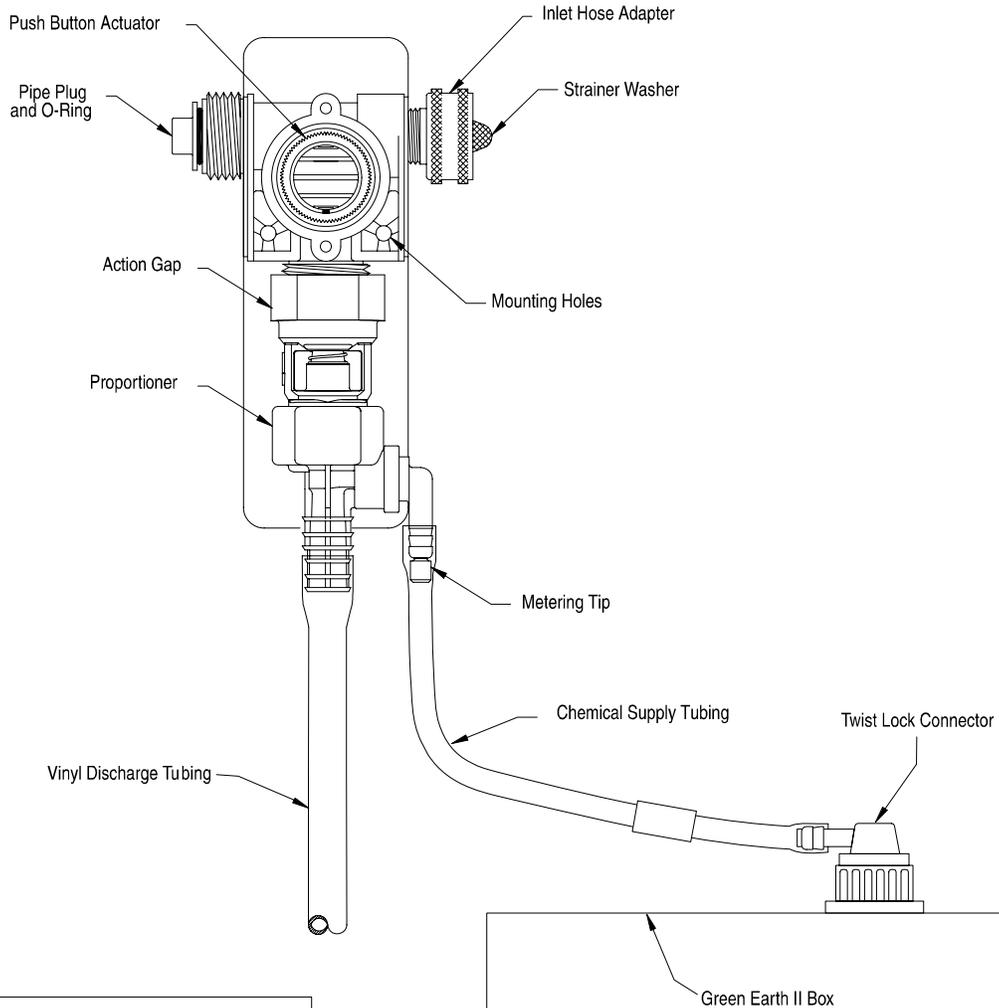


FIGURE 2

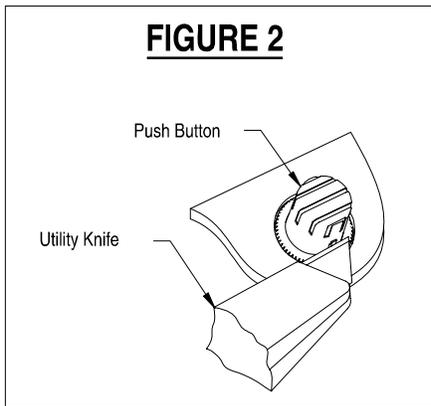
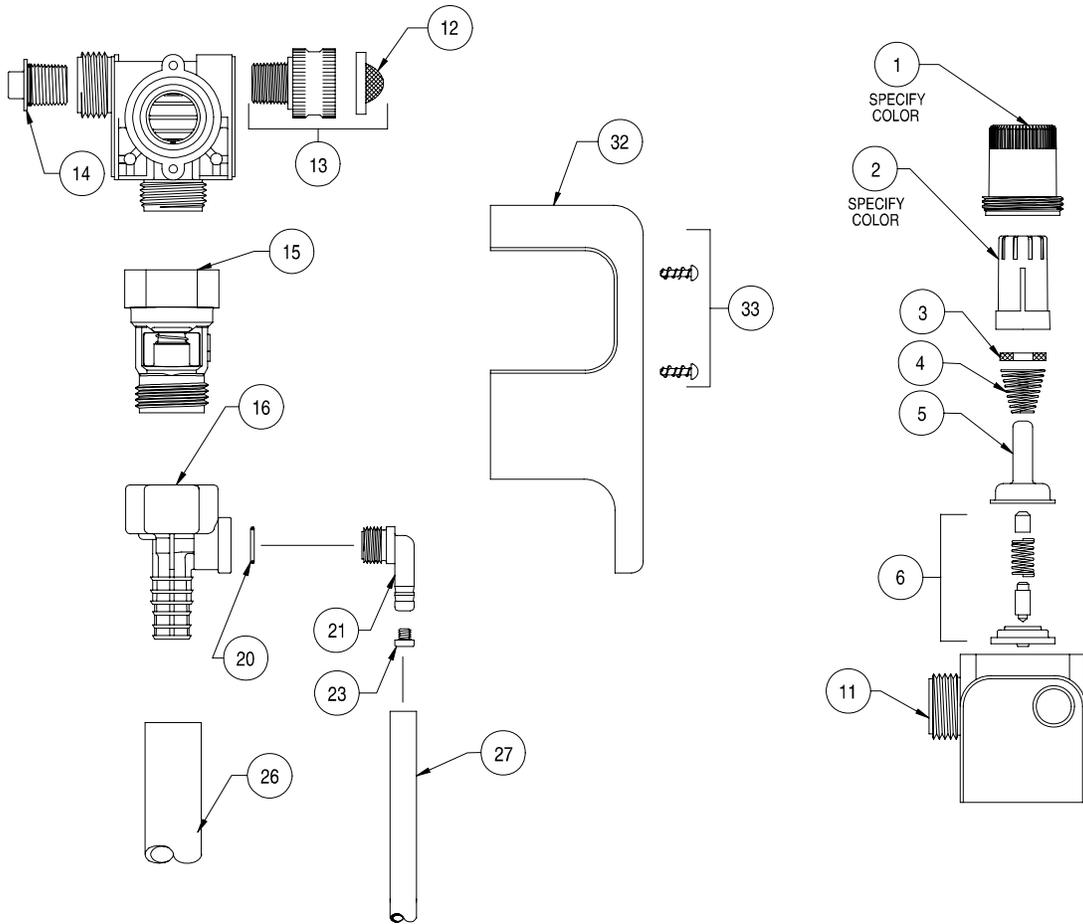


FIGURE 3



QTY.	PART NO.	DESCRIPTION
1	66-139	Magnet Housing (Specify Color)
2	66-140	Push Button (Specify Color)
3	63-35	Magnet
4	63-36	Spring
5	41-7-25	Enclosing Tube
6	63-87	Valve Repair Kit
11	63-39	Valve Body
12	100-38	Strainer Washer
13	93-44	Swivel Adapter w/ Strainer Washer
14	66-153	Pipe Plug & O-Ring Assy.
15	16-30	Action Gap Assembly
16	61-22GAP-2	4 GPM (1/4" Barb) Proportioner (Gray)

QTY.	PART NO.	DESCRIPTION
20	63-78	O-Ring
21	63-79	Inlet Barb (1/4" Barb)
23	100-15K-BETCO1	Metering Tip Kit (14 Sizes) (1/4" Barb)
26	61-21	1/2" ID X 6' Lg. Vinly Outlet Tube (4 GPM Only)
27	100-12	1/4" ID X 8' Lg. Vinyl Supply Tubing
32	63-45	Cover
33	63-46	Screws (2 Req'd)