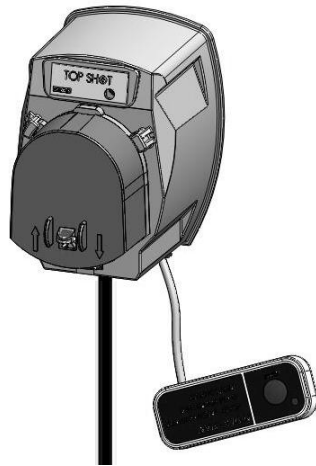


DEMA[®] Top Shot Single Dose Dispenser



Overview

The Top Shot is a single dose, chemical dispenser. Ideal applications include home style laundry machines and single dose dispensing applications. It includes an easy to use remote start switch that is mountable up to 15' away from the dispenser.

The unit can be programmed for the following:

- 0-20 Minute Pump Delay
- Up to 8 Ounce Dose
- 0-60 Minute Lockout

All of these parameters are easily programmed through a 2 button programmer (sold separately).

Warnings



Installation of DEMA products must meet all applicable electrical codes and regulations established by national, city, county, parish, provincial or other agencies. It is possible that electrical codes and regulations require that a certified electrical contractor or engineer perform the electrical installation. For questions, contact a certified electrician.



ALL ELECTRICAL POWER MUST BE TURNED OFF TO THE DISPENSER AND TO THE APPLIED MACHINE.



All installations must conform to local plumbing codes and use approved backflow prevention devices. A pressure indicating tee 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.



ALWAYS WEAR PROTECTIVE CLOTHING AND EYEWEAR WHEN WORKING WITH CHEMICAL PRODUCTS.

Specifications

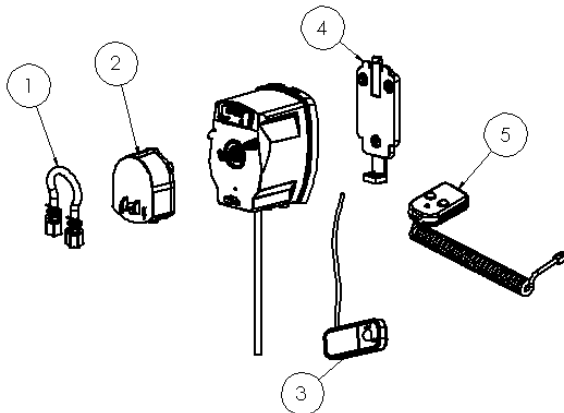
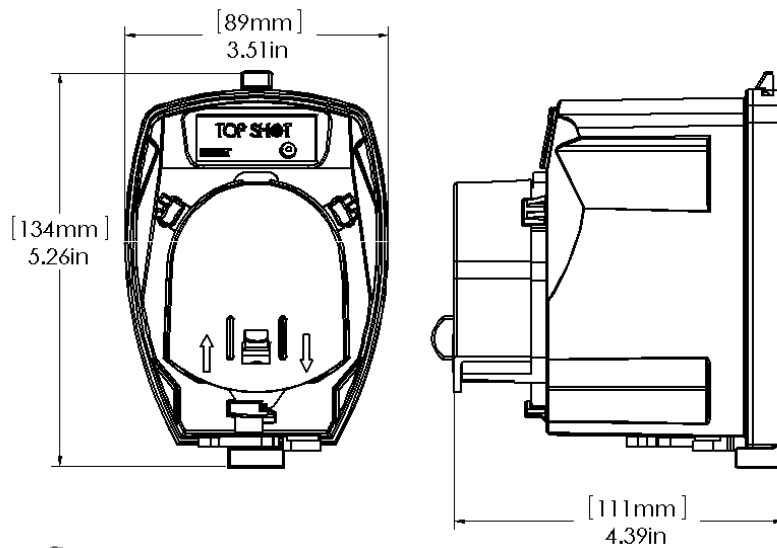
Packing List

	25.20.1 TOP SHOT UNIT W/ REMOTE	83.16.2 VELCRO SQUARE	25.68.20 20' ¼" OD LDPE TUBING	30.41 SCREW AND ANCHOR KIT	81.312.1 TUBE STIFFENER	OPERATING VOLTAGE
8400	1	1	1	1	1	125V
8401	1	1	1	1	1	230V

Operational Requirements

For indoor use only		
Main Power	8400 – 120 VAC 60 Hz 8401 – 230VAC 50/60 Hz	
Enclosure Material	ABS	
Product Weight	1.25 kg	2.76 lbs
The integrity and operational characteristics of this unit are not guaranteed outside the above mentioned parameters. Use of this unit outside of these parameters nullifies warranty.		

Overall Size



NO.	PART NO.	DESCRIPTION
1	81.231.1	SQUEEZE TUBE SINGLE REPLACEMENT KIT
	25.21.5	SQUEEZE TUBE BULK (5) REPLACEMENT KIT
2	81-316-8	DETERGENT PUMP REPLACEMENT KIT
3	84-65-40	1 BUTTON REMOTE W/ 15' CABLE
4	81-223-1	MOUNTING BRACKET
5	81-245-1	2 BUTTON PROGRAMMER – Sold Separately

Installation

Mounting

Mount the unit no higher than 6 feet from the chemical container. Use the included screw and anchor kit to secure the mounting bracket to the wall and then mount the unit on the wall. Cut the tubing to the proper length to reach from the chemical container to the unit and the unit to the laundry machine where the chemical is being dispensed.

Squeeze Tube Installation

Remove the pump cover by depressing the tab on the front of the unit. Place one end of the squeeze tube on the left side of the pump in the slot provided. Wrap the squeeze tube around the rollers of the pump. Place the remaining end of the squeeze tube in the right slot. The tube may need to be stretched to be installed. Replace the cover on the pump.



(1)



(2)



(3)



(4)

Pump Priming

A prime button is located on the bottom of the unit. Press and hold the button to prime the pump.



Clasp Close Pump Heads

The pump heads have an added feature which will help to ensure the pump head is installed properly. When pushing the pump head on be sure to see the clip is fully covering the notch as seen in the first picture. If the tab is not fully engaged, there is a possibility of it popping off the pump head as seen in the second picture.



Operation

Programming

1. Apply power by plugging the system into a wall outlet.
2. Remove the top cover and connect the Two Button Programmer as shown in Figure 1.
Note: The Two Button Programmer is not included when purchasing a 8400 or 8401 unit. The Two Button Programmer must be purchased separately. The part number for this programmer is 81-245-1.
3. Push either button on the programmer to toggle the LED to the desired program mode as shown in Figure 2. See table below for the program mode.
4. Push both buttons, simultaneously, to start programming the time.
5. Push both buttons, simultaneously, to stop programming the time.
6. Unplug the programmer and replace the top cover.



Figure 1.
Programmer
Installation



Figure2.
Program
Mode
Selection

	Program Mode	LED Color	Description	Programming	Factory Default Settings	Max	Min
1	Delay	Yellow	Amount of time to delay the pump run after the remote button is pushed.	Each flash of the LED represents 1 minute of delay time.	0 sec	20 min	0*
2	Pump Run	Green	Amount of time pump will be run.	Push both buttons to start run time and both buttons to stop run time	10 sec	2 min	0
3	Lockout	Red	Amount of time that the system is disabled after the unit stops pumping.	Each flash of the LED represents 5 minutes of lockout time.	5 min	60 min	0*

***NOTE: Delay and Lockout can be set to zero values by following steps 4 & 5. Step 5 must be performed before the first flash of the LED.**

Troubleshooting

Symptom	Probable Cause	Remedy
Pump is not priming like it should be or not holding a prime.	- Hole in the tubing from the chemical container to the pump head. - Hole in the squeeze tube in the pump head. - Pick up tubing is not sealed to the squeeze tube fitting.	- Check the tubing from the chemical container to the pump head for leaks by feeling the tubing for chemical that has leaked out. Replace the tube if necessary. - Replace the squeeze tube after inspecting it for a possible hole or leak. - Tighten the nuts on the squeeze tube fittings.
Pump over feeding (using too much chemical). Pump under feeding (not enough chemical).	The program values entered in the unit were set wrong.	Check the program values to make sure they are set properly.

Warranty

Merchandise Returns

No Merchandise will be Returned for Credit Without DEMA'S Written Permission. Returned Merchandise Authorization Number is Required in Advance of Return.

Product Warranty

DEMA 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 that have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, physical abuse, or misapplication. Rubber and synthetic rubber parts such as "o"-rings, diaphragms, PVC tubing, and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of DEMA products. If products are altered or repaired without prior approval of DEMA, this warranty is 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, F.O.B. factory. DEMA assumes no liability for damages. Return merchandise authorization number must be granted in advance of returned units for repair or replacement (See "Merchandise Returns" above).