

INTRODUCTION

The FillaMax Bottle Top Dispenser is a dilution control system engineered to be portable and versatile. The FillaMax Dispenser is designed to be an integrated bottle-fill or bucket-fill dispenser. Its portable design allows the user to use it in virtually any environment as long as there is a water source with a spigot and garden hose connection.

BASIC DESCRIPTION AND OPERATION

The FillaMax Dispenser is a reliable low cost portable proportioning/dilution system that is adaptable to a variety of plastic bottles with 38mm bottlenecks. The dispenser is connected and engaged to the bottleneck of the container through an integrated coupling system that is locked together by a simple twist of a 38mm locking nut. The FillaMax Dispenser will dispense cleaners and sanitizers at the proper dilution rate when the trigger is pressed and will stop when the trigger is released. For continuous flow, the trigger can be locked into place by moving a sliding lock forward which then engages the trigger. Drawing the lock backward releases the trigger and shuts off the dispenser.

IMPORTANT NOTES

- The FillaMax Dispenser is supplied without a backflow prevention unit. To prevent possible chemical backup into the water supply, comply with all local plumbing codes and install an appropriate backflow prevention unit.
- Ensure that a pressure regulator with a preset value of 40-50 PSI is inline for optimum performance and safety.
- Do not leave the dispenser unattended with trigger in locked position.
- Turn off water supply after use and disconnect.

SPECIFICATIONS

Operating Range - Temperature

Min 35°F (2°C)
Max 140°F (60°C)

Operating Pressure

Min 30 PSI (2 bar)
Max 80 psi (5.5 bar)



CAUTION: Wear protective clothing and eyewear when dispensing chemicals or other materials. Observe safety handling instructions (MSDS) of chemical mfrs.



CAUTION: When installing any equipment, ensure that all national and local safety, electrical, and plumbing codes are met.

DISPENSER SET UP

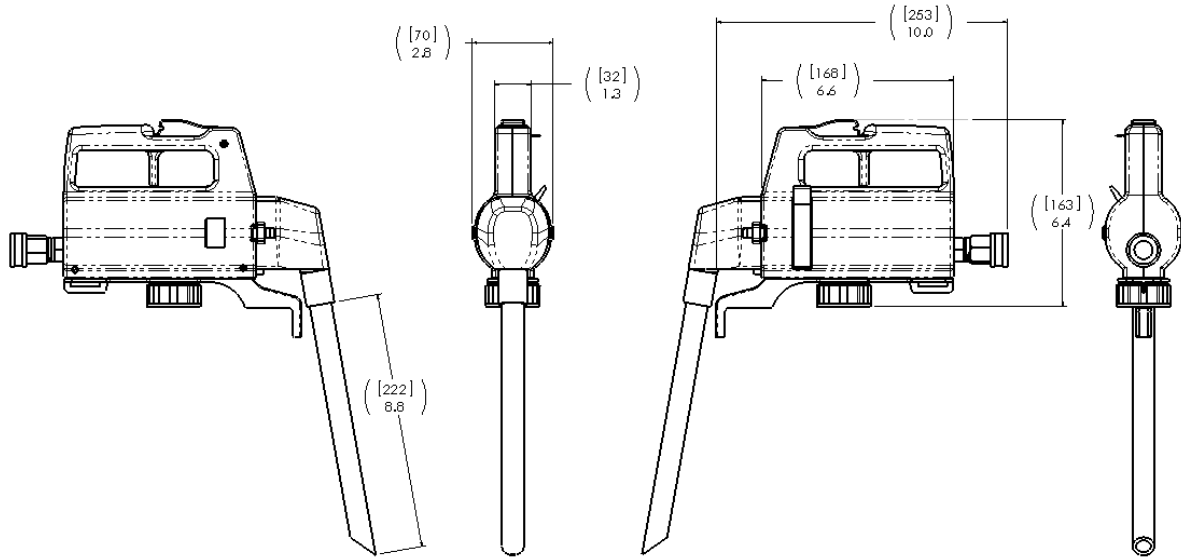
- (1) Set up hose and accessories as required to the spigot at the water source.
- (2) Next, attach the male hose end to the female garden hose coupling end of the Dispenser. Make sure that the coupling and the hose end are securely fastened.
- (3) Turn Dispenser selector to one of the three flow positions. Make sure that the selector is positioned completely to the bottle (1 GPM) position, the bucket (4 GPM) position, or water only position.
- (4) Slowly turn water supply on. Check and correct connections if water leaks occur.
- (5) While holding the handle of the dispenser, press the trigger and check for water flow out of the dispenser nozzle.
- (6) If water flows, the dispenser is ready to use.

DISPENSER OPERATION

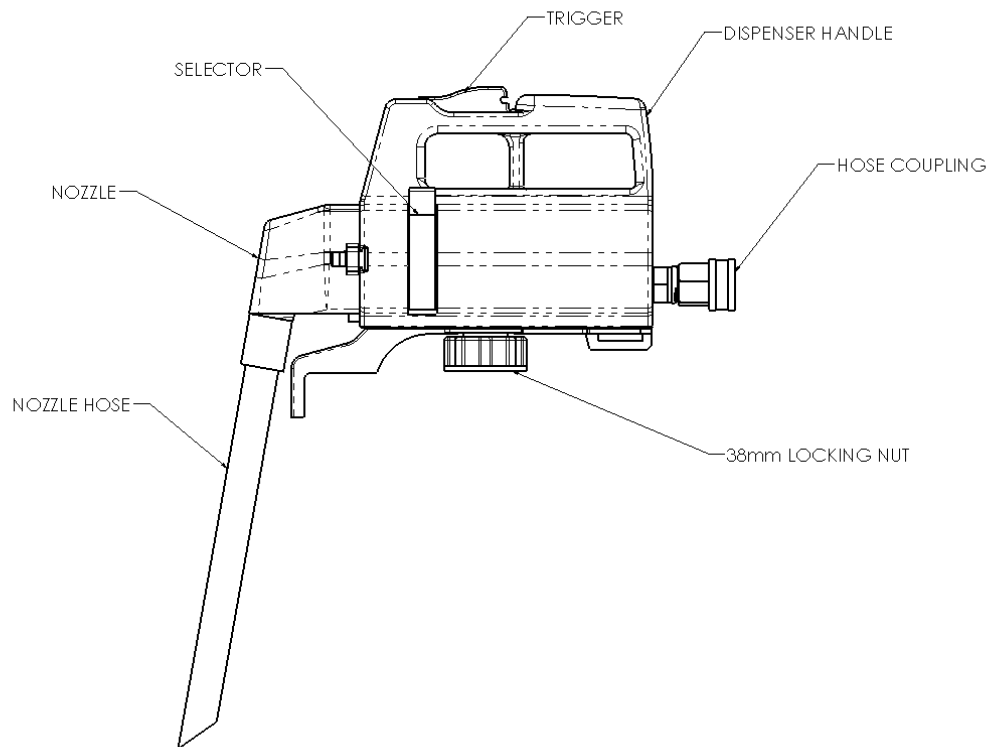
- (1) Select required liquid container for use.
- (2) Hold dispenser with nozzle end forward.
- (3) Next, orient the liquid container with the bottle handle toward the rear side of the dispenser. (Note: Rear side of the dispenser is the hose attachment side.)
- (4) Next, press dispenser down over the container until bottleneck and dispenser locking nut engages.
- (5) While pressing lightly, turn locking nut clockwise approximately 1.5 turns or until lock nut is snug. There is no need to over tighten the locking nut.
- (6) For chemical dispensing, select either the bottle (1 GPM) position or the bucket (4 GPM) position. Make sure the selector is set to the extreme end of movement at either dispensing positions.
 - Bottle dispensing
 - Set selector to bottle filling position
 - Insert nozzle hose of dispenser into the neck of the bottle to be filled. Make sure that the lip of the bottleneck is never sealed so air could escape out of bottle during filling.
 - Press trigger to dispense and fill bottle.
 - Release trigger when bottle is filled
 - Bucket dispensing
 - Set selector to bucket filling position
 - Place dispenser on the side of bucket using the hook to hang the dispenser. Orient dispenser with nozzle facing inside of bucket and the bottle on the out side of bucket.
 - Press trigger to dispense and fill bucket.
 - For continuous flow, push the lock forward while the trigger is press. This will engage and hold the trigger down.
 - To shut off the dispenser, pull back the lock to release the trigger.
- (7) Removing chemical container from dispenser
 - Turn locking nut counter-clockwise approximately 1.5 turns. Pull container away from dispenser.
- (8) Purging residual chemical from dispenser:
 - Remove chemical container, set selector in bottle or bucket fill position, set dispenser over drain, and press trigger to flush water through dispenser.
- (9) Disconnecting the dispenser:
 - Shut off water supply, press trigger to release pressure, and disconnect hose connection where appropriate.

GENERAL DIMENSIONS

[millimeters]
inches



DISPENSER TERMS



TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
No output	<ol style="list-style-type: none"> 1. Water supply is off 2. Blocked hose coupling screen 	<ol style="list-style-type: none"> 1. Turn water supply on 2. Check/clean hose coupling screen
Product is not drawn from container	<ol style="list-style-type: none"> 1. Water inlet blocked 2. Low water pressure 3. No product in container 	<ol style="list-style-type: none"> 1. Check/clean hose coupling screen 2. Must be 30 psi min 3. Change product container
Dispenser leaks at nozzle assembly	<ol style="list-style-type: none"> 1. Bottle neck is blocked 2. Discharge Hose/Nozzle assembly is blocked 	<ol style="list-style-type: none"> 1. Pull back dispenser from bottleneck 2. Remove nozzle assembly, clear, and adjust hose
Excessive foam when dispensing	<ol style="list-style-type: none"> 1. Venturi is not priming 2. Product container is empty 	<ol style="list-style-type: none"> 1. Press trigger lightly to prime 2. Change product container

DISCLAIMER

Knight LLC does not accept responsibility for the mishandling, misuse, or non-performance of the described items when used for purposes other than those specified in the instructions. For hazardous materials information consult label, MSDS, or Knight LLC. Knight products are not for use in potentially explosive environments. Any use of our equipment in such an environment is at the risk of the user, Knight does not accept any liability in such circumstances.

WARRANTY

The Knight Fillamax Dispenser is warranted against defects in material and workmanship for a period of ONE year. Warranty applies only to the replacement or repair of such parts when reported to Knight and found to be defective upon factory authorized inspection. Sealing or rubber and synthetic rubber parts such as "O" rings, diaphragms, squeeze tubing, and gaskets are considered expendable and are not covered under warranty. Warranty does not cover liability resulting from performance of this equipment nor the labor to replace this equipment. Product abuse or misuse voids warranty.

FOOTNOTE

The information and specifications included in this publication were in effect at the time of approval for printing. Knight, LLC reserves the right, however, to discontinue or change specifications or design at any time without notice

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