



## Technical Data

# 3M™ Bleach Dispensing System P11

### Description

The 3M™ Bleach Dispensing System P11 features a compact, easy-to-use dispenser that is designed to accurately mix and dispense a 1:10\* diluted bleach solution from an off-the-shelf bottle of bleach concentrate (5.0-6.15% available chlorine). The system is an accessory for use only with the 3M™ Twist 'n Fill™ Cleaning Chemical Management System.

### Special Features

- Incorporates 3M™ Twist 'n Fill™ technology for accurate dilution, no manual mixing
- Simple to use
- Connects to most off-the-shelf bleach products
- Can dispense a 1:10\* dilution ratio to help address *C. difficile* in health care settings
- Adjustable rack – can be installed near to floor, if needed, to prevent splashing
- Rack holds most off-the-shelf bleach concentrate bottles up to 1.5 gallons
- Single flow rate of 2 GPM appropriate for filling both bottles and buckets
- Easily connects to the 3M™ Twist 'n Fill™ Dispensing System

### Packaging Includes:

- 3M™ Bleach Dispenser
- 5-1/2 foot hose
- Backflow preventer
- Connection Kit
- Rack Assembly
- 2 Dip Tubes

### Operation Instructions

1. See the 3M™ Bleach Dispenser Installation and Operating Instructions contained in the P11 Kit for proper installation.
2. Refer to the bleach chemical supplier MSDS or label for information on chemical contents, handling and disposal, or other questions related to the chemical being used.
3. Use appropriate Personal Protective Equipment (PPE). Refer to the MSDS of the bleach chemical being used for PPE recommendations.
4. Attach the bleach bottle to the dispenser by putting the neck of the bottle up through the dip tube. Once the bleach bottle handle clears the "L" bracket, pivot it so the "L" bracket supports the handle of the bottle. Tighten the collar of the dispenser to the neck of the bottle and adjust the "L" bracket to hold the bottle just underneath the handle.  
NOTE: The bleach bottle must have a 38 mm thread connection to mate up with the dispenser collar.
5. To remove a bleach bottle from the dispenser, hold the bottle at the handle with one hand and disconnect the dispenser collar with the other. Pivot the bottle off of the "L" bracket, making sure you have a good grip on the bottle as you remove it.

### Dispenser Operation

1. Attach bleach bottle to the dispenser as described above.
2. Turn the cold water faucet on full. (A steady stream of water will flow to drain from the hose/faucet connection. This feature relieves pressure to the backflow preventer at the faucet.)

3. Hold appropriate collection container, such as a spray bottle, underneath the dispenser tube.
4. Press the trigger on the bleach dispenser to begin dispensing. Upon initial use or when switching bottles, depress the trigger for a few seconds to prime the dispenser and pour solution into a sink before filling the container for use. To lock the trigger in the "on" position, slide the lock switch forward. To unlock the trigger, slide the lock switch backward. Do not leave dispenser unattended while in use.
5. Release the trigger to stop dispensing. Turn water off when not in use.
6. To help ensure adequate water flow for proper dilution, do NOT dispense from the 3M™ Twist 'n Fill™ Dispenser and the 3M™ Bleach Dispenser at the same time. Use of the bleach dispenser will not result in mixing of chemicals from the two dispensers.

NOTE: Bleach (chlorine) concentration in the diluted solution can be checked using commercially available test strips. The 3M™ Bleach Dispenser is designed to provide accurate dilution when used as instructed. If measurement of the concentration in the diluted solution is not as expected, and it has been verified that the bleach dispenser is properly installed and operated, then the concentration of bleach (chlorine) in the original bottle may have degraded. See the Disinfection with Bleach Tech Talk. for more information.

\*Target dilution is 1:9 to help ensure the sporicidal concentration (5000 ppm) of bleach is dispensed as initial concentration can vary and degradation can occur with storage.

## Dispenser Plumbing Specifications

For proper operation, the dispenser must be installed in a location that meets the following plumbing specifications:

- Water pressure of 25 psi to 80 psi (pounds/square inch)
- Minimum water flow of 4 gpm (gallons per minute)
- Water temperatures 40 - 140°F (cold water only is recommended)
- Backflow prevention device provided must be used on each faucet

**NOTE:** If water hotter than 140°F is used with the dispenser, the inlet hose may soften and fittings may loosen and potentially leak.

**NOTE:** Dispenser installation must be made in accordance with local plumbing codes. Local or state plumbing codes may require special backflow prevention devices or unique methods of installation. Check local plumbing codes before installation. User shall be responsible for plumbing code compliance, including compliance with any changes made to codes after installation.

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