



Twist 'n Fill Dispenser

Technical Data

September 2005

Description:

The 3M™ Twist 'n Fill™ Cleaning Chemical Management System features a compact, versatile dispenser that is designed to accurately mix and dispense a wide variety of cleaning chemicals. The system uses unique, tamper-resistant bottles to make mixing safer and easier.

Special Features:

- A single dispenser can deliver 30+ different ready-to-use cleaning products
- Select only the products required to minimize storage
- Very compact – fits in any closet
- Easy to use – just insert bottle, twist and fill
- Integral air gap prevents chemical backflow
- Flexible – mounts permanently on walls or may be attached to a cart and used as a portable dispenser
- Accurate dispensing technology ensures consistent, effective chemical performance
- Dual flow rates:
 - One GPM for filling bottles
 - Three GPM for buckets
- Rinse water accessible without disconnecting the dispenser
- Quick-connect hardware provided with each dispenser
- Wall mount application chart provided to help the employee identify which products are used for each cleaning project

Package Includes:

- 3M™ Twist 'n Fill™ Dispenser
- Brass quick-connect hardware
- Low-flow dispense hose
- High-flow dispense hose
- Application chart
- Installation & operation instructions
- MSDS book (including concentrate & ready-to-use MSDSs)

General Use Directions:

Note: Use instructions are illustrated on the front of each Twist 'n Fill™ dispenser.

1. Connect and turn cold water faucet on fully
2. Attach appropriate dispense hose
3. Select product from shelf
4. Insert concentrate bottle into dispenser
5. Turn bottle clock-wise to start flow (no need to hold bottle)
6. When container is full, turn bottle counter-clockwise to stop flow
7. Remove concentrate bottle and place on shelf
8. Turn water supply off and activate rinse lever to relieve water supply pressure if not using pressure relief fitting

The action of turning the bottle activates both water and chemical flow to produce accurately diluted chemicals. The unique funnel design forms a rinsing effect of a tornado-like column of rinse water with chemical concentrate flowing in the center. This provides for effective rinsing of Twist 'n Fill™ dispenser.

Plumbing Requirements:

For proper operation, the dispenser must be installed in a location that has the following water requirements:

- Water pressure of 25psi to 100 psi (pounds/square inch)
- Minimum water flow of 4gpm (gallons per minute)
- Water temperatures <140° F (gray dispenser)
- Water temperatures <180° F (black dispenser)

Note: If water hotter than 140°F is used with the gray dispenser, the inlet hose may soften & fittings may loosen & potentially leak.

Air Gap Backflow Prevention:

The Twist 'n Fill™ dispenser has an integral air gap backflow prevention design that complies with the requirements as defined by the Uniform Plumbing Code, Air gap Specification, Section 102 (F), Effective Opening, Section 106 (A), and Flood Level rim, section 107 (F). This design also is in accordance with the Cross Connection Control requirements of Uniform Plumbing code Section 1003. The air gap design prevents backflow of water and/or chemical into the potable water supply. The air gap backflow preventer complies with ASME/ANSI A112.1.2.

Pressure Relief:

Twist 'n Fill™ dispensers are available with pressure relief fittings where required. The fitting is designed to relieve backpressure from atmospheric vacuum breaker (AVB) on the faucet. Pressure relief fitting complies with ASSE 1055.

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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Important:

The information provided in this report is believed to be reliable; however, due to the wide variety of intervening factors, 3M does not warrant that the results will necessarily be obtained. All details concerning product specifications and terms of sale are available from 3M.

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