



# Twist 'n Fill™

## Cleaning Chemical Management System Dispenser

### Technical Data

October 2010

#### 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 help 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 virtually any closet
- Easy to use – just insert bottle, twist and fill
- Integral air gap helps prevent chemical backflow
- Flexible – mounts permanently on walls or may be attached to a cart and used as a portable dispenser
- Accurate dispensing technology helps ensure consistent, effective chemical performance
- Dual flow rates:
  - Approximately one GPM for filling bottles
  - Approximately 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 3M 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 the 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

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

#### Air Gap Backflow Prevention:

The 3M™ Twist 'n Fill™ Dispenser has an integral air gap backflow prevention design that prevents backflow of water and/or chemical into the potable water supply. The air gap backflow preventer incorporated into the dispenser meets the requirements of ASME/ANSI A112.1.2. The 3M™ Twist 'n Fill™ Dispenser has also been tested by a third party and found to meet the requirements of ASSE 1055B (2009).

**Pressure Relief:** 3M Twist 'n Fill™ dispensers have an integrated pressure relief fitting incorporated into the connection hose. The pressure relief fitting is designed to relieve backpressure from the atmospheric vacuum breaker (AVB) on the faucet, and also provides a visual indication and reminder that the water supply is on.

**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 meeting plumbing code, including any changes made to codes after installation.

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