

# 4000 Series Crane Revolving Doors



Crane SS4000-M  
The Plaza at PNC Tower, Pittsburgh, PA  
Architect: Gensler

**The Crane 4000 Series is the original all glass revolving door.**

- Every Crane 4000 Series revolving door is a work of art—each unit as unique as the building it is a part of.
- Virtually every component of the door—push bars, canopies, glass panels, and more—can be customized to complement the building's exterior and interior design.
- Every revolving door is designed, engineered, and fabricated by union craftsmen in our Chicago factory.

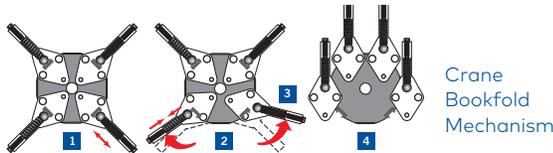
## 4000-M Series All Glass Manual Revolving Door

All glass entrances allow maximum natural light along with the ability for the interior and exterior to be in harmony with one other. The original all glass revolving door, the Crane 4000 offers graceful design and sleek lines for a striking entrance for high end store fronts and building entrances. The 4000 Series door is fully customizable, including push bars and attachment options to the store front, and the connection between the enclosure wall and exposed ceiling glass.

Standard 4000-M features include the industry's most reliable manual speed control; a heavy-duty bookfold mechanism; a smooth-surface canopy without pie wedges or visible supports; and a rubber and felt weather sweep that provides a superior air seal.

### Speed Control

All Crane manual revolving doors use the same 100:1 gear ratio manual speed control. The Crane manual speed control is a steel cast, precision machined, sealed unit mounted in the canopy. The centrifugal force brake slowly engages as the door reaches the maximum allowable RPM set by code. The brake shoes can be easily adjusted or replaced. Crane's proven speed control design allows us to provide the industry's best 10 Year Warranty, another dormakaba first.



### Bookfold Mechanism

The heavy-duty Crane bookfold mechanism is constructed from a high grade chilled bronze casting. This heavy-duty hardware complies with all state and federal requirements for providing emergency egress. The pressure required to engage the bookfold mechanism is adjustable to meet local elements such as stack conditions, negative pressure, and wind conditions.

### Air Infiltration

Crane revolving doors provide the most sustainable entrance possible, allowing continuous traffic flow while at the same time creating a barrier to prevent air infiltration. All our revolving doors are furnished with Crane factory-made door seals, which are essential for the barrier blocking inside from outside environments. The resulting air infiltration block enhances comfort for everyone inside and ensures the owner's return on investment.

Crane doors are tested to meet the ASTM E283 standard, as well as to the even more stringent ASTM E783. ASTM E283 defines air infiltration requirements in a lab setting, which does not replicate real world conditions. So dormakaba takes the extra step of testing Crane doors to ASTM E783, which requires testing in an actual building.

#### NOTE

Contact us or visit our web site for information about other Crane products.

DORMA USA, Inc.  
 Dorma Drive,  
 Drawer AC  
 Reamstown, PA 17567  
 844-SPECNOW  
 (844-773-2669)  
[www.dormakaba.com](http://www.dormakaba.com)

### Additional Option—Welded Floor Grilles

Floor grilles can be integrated into the revolving door design to ensure a working system and proper aesthetics. Fabricated from concentrically rolled bars of stainless steel, the grilles are curved to the radius of the revolving door, which allows the door to spin properly and minimizes damage to the bottom door sweep. The heavy-duty floor grilles are welded and formed from 304 or 316 solid stainless steel, 1/4" x 1" solid bars polished to a #4 satin finish. The recessed grille pan is welded from 12 gauge stainless steel and can have a drainage fitting added. Tolerances for the grilles aligning concentrically are to a 1/64" variance. **NOTE:** Floor grilles are not included in air infiltration testing.

### Self-Positioning Closer "Return to Quarter-Point"

An add-on feature that automatically resets the revolving door to its home (X) position after every use and provides an optimal weather seal while the door is idle. The Self-Positioning Closer requires a minimum 6-1/2" canopy, uses 110VAC, and does not require any additional safety sensors. This feature is compliant with ANSI 156.27. The closer works in conjunction with the Manual Speed Control and spins the door in a counter-clockwise direction. The Self-Positioning Closer functions independently from the Manual Speed Control, assuring the revolving door's safe and compliant operation at all times even if the closer is turned off or removed.

### Access Control Options

- **S1 Security**—For manually operated doors.
- **S2 Security**—With anti-tailgating.
- **S3 Security**—With anti-piggybacking.

### Customizable Options

- Push bars
- Ceiling lights
- Finishes
- Dimensions and sizes
- Canopy
- Glass

### Service and Maintenance

Servicing and maintaining your 4000-M Series door is vital to ensuring your entrance is fully functional and secure at all times. dormakaba offers a variety of service plans to meet your needs. To find out more, visit:

[go.dormakaba.com/ServiceAMER](http://go.dormakaba.com/ServiceAMER)