



## Model CG Counter Grilles STANDARD SPECIFICATIONS

### PART 1 GENERAL

#### 1.01 SUMMARY

- A. Model CG Counter Grilles shall be manufactured Commercial Doors

#### 1.02 SYSTEM DESCRIPTION

- A. Grilles shall be designed for 10,000 cycles usage.  
B. Grilles shall be for use on openings up to 20'-0" wide, 8'-0" high, 100 sq. ft. for typical service counter and small entry applications.

#### 1.03 WARRANTY

- A. Grilles shall be warranted against defects in workmanship and materials for one year from date of shipment, provided designed cycle life is not exceeded. Factory finishes are excluded from warranty.

### PART 2 PRODUCTS

#### 2.01 MATERIALS

- A. **Curtain** shall be a compact straight link CL9 pattern, assembled from horizontal 5/16" diameter aluminum [stainless steel] rods on 2" vertical centers, passing through flexibly connected 5/8" wide vertical aluminum [stainless steel] 2-hole links on 9" horizontal centers. Vertical links shall be 1/8" thick single links assembled with grommets to form vertical chains. Curtain alignment shall be maintained by aluminum [stainless steel] spacer tubes placed between all links on every 6<sup>th</sup> rod. Ends of rods shall be fitted with retainer rings.
- B. **Bottom bar** shall be a rectangular aluminum extrusion attached to bottom of curtain to limit vertical and lateral deflection. Bottom bar shall be self-leveling to accommodate slopes up to 1/2". A bottom cover plate 2" wide shall be provided.
- C. **Guides** shall be aluminum extrusions fitted with polyester pile wear strips, sized to retain curtain and support door. Guides shall be assembled with 1/4" minimum bolts no more than 24" on center and attached to wall with 3/8" minimum bolts no more than 24" on center. Guides shall incorporate an integral system to allow for field adjustment of lock bar heights. Removable curtain stops shall be provided.
- D. **Barrel** shall be 4 1/2" minimum diameter steel pipe, sized to contain counterbalance assembly and support curtain with a maximum deflection of 0.03" per ft. of width. Counterbalance assembly shall consist of torsion spring(s) and fittings mounted to a continuous cold finished steel shaft. Grease packed sealed bearings shall be used to support each end of counterbalance assembly. Spring tension shall be adjustable by adjusting wheel outside bracket.
- E. **Brackets** shall be 1/8" minimum steel plates bolted to guides. Plates shall be sized to support curtain and barrel and provided with 1/8" flanges for hood attachment. Bracket on operator side shall be fitted with a grease packed sealed bearing.
- F. **Hood** shall be formed from 20 gauge (.032") aluminum [24 gauge stainless steel] sheet with top and bottom reinforcements to reduce deflection. Intermediate support shall be provided when necessary.
- G. **Operation** of grilles shall be as follows:  
PUSH-UP operated to 14'-0" wide [10'-0" wide with stainless steel curtain]  
AWNING CRANK operated with removable handle on larger grilles [option on push-up operated grilles].  
MOTOR operated with UL Listed inline gear drive assembly, mounted horizontally in front of and parallel to grille coil, and not requiring additional clearance above top of coil [option on all grilles].  
*NOTE: For ease of operation, awning crank or motor operator is recommended on grilles over 7'-0" high (or top of opening is more than 7'-0" above the floor) and operated regularly, or when grilles are operated over a deep counter or other obstruction making push-up operation difficult.*
- H. **Locking** shall be by a double throw-bolt enclosed in bottom bar that engages steel lock bars into bottom of each guide. Locking shall be activated by a single lever and secured by a guarded mortise thumb turn [mortise cylinder] on coil side or on opposite coil side.  
*NOTE: Motor operators provide self-locking gear reduction – if cylinder locks are required on motor operated grilles, a motor operator with internal lock sensor, or guide mounted electrical interlocks, are required to prevent opening grille with locks engaged.*

#### 2.02 FINISHES

- A. Aluminum curtain shall be mill finish [clear anodized] [bronze anodized] [color anodized]. Aluminum bottom bar, guides and hood shall be clear [bronze] [color] anodized. Steel brackets shall be shop painted with a black [silver] color rust-inhibiting primer. Stainless steel curtain links and spacer tubes shall have a 2B finish with mill finish rods. Stainless steel hood shall have a brushed finish.

### PART 3 EXECUTION

#### 3.01 INSTALLATION

- A. Grilles shall be installed in accordance with Commercial Doors Direct Installation Instructions



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## Model CG Counter Grilles AVAILABLE OPTIONS

<b>Usage</b>	Designs for 25,000 cycles usage
<b>Mounting</b>	Between-jamb mounting (includes filler shapes) Under lintel mounting (includes fascia)
<b>Curtain</b>	Compact straight link CL4 pattern with vertical links on 4 1/2" horizontal centers Compact straight link patterns with other vertical link spacings Stainless steel grille curtain
<b>Bottom Bar</b>	Vinyl bottom seal Sensing edge to reverse closing of a motor operated grille upon contact with an obstruction
<b>Barrel</b>	Internal tension wheel (inside the bracket) on aluminum grilles to 14' wide, 10' high, 120 sq. ft.
<b>Hood &amp; Covers</b>	Fascia to close area behind brackets when no wall is present End caps to enclose operating or tension brackets (recommended on grilles mounted to the exterior of a building or when operating device is less than 8 feet above the floor) Motor cover (recommended on motor operators less than 8 feet above the floor or on the exterior of a building) Stainless steel hood, fascia, end caps and motor cover
<b>Operation</b>	Through-wall operations (operable from opposite side of wall to which grille is mounted)
<b>Locking</b>	Mortise cylinder or thumb-turn on coil side <u>and</u> on opposite coil side Master keying or special brand cylinders
<b>Finishes</b>	Clear, bronze, black, or other color anodized aluminum curtain, bottom bar, guides and hood Powder coated bottom bar, guides and hood 2B finish on stainless steel curtain (as-rolled finish on rods), brushed finish stainless steel hood



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