



**REPLACEMENT RESIDENTIAL  
AUTOMATIC SPRINKLERS  
MODEL GL3547  
LOW FLOW  
ADJUSTABLE CONCEALED PENDENT**

**DESCRIPTION AND OPERATION**

The Globe Model GL3547 Low Flow Residential Adjustable Concealed Pendent Sprinkler is a low profile yet durable design that utilizes a 3mm frangible glass ampule as the thermosensitive element. It features both economy, aesthetics and low water flow. The combination of the 3mm frangible glass ampule and specially designed deflector make the Model GL3547 Low Flow Residential Adjustable Concealed Pendent Sprinkler the ultimate in life safety and fire control. The Model GL3547 is available with 1/2" of adjustment and a deeper profile cover plate assembly. It has met the strict requirements of Underwriters Laboratories Inc. as described in UL Standard, 1626, for Residential Sprinklers for Fire Protection Service, and should be used accordingly. These sprinklers should also be installed in accordance with the appropriate NFPA Standard 13, 13D or 13R and under the direction of the approving authorities having jurisdiction.

Globe's Residential Adjustable Concealed Pendent Sprinkler consists of our pendent residential type sprinkler concealed from view by a dome shaped ceiling plate. All that is seen at the ceiling is the 3 5/16" diameter ceiling plate color finished to match the specifier's exact requirements. The ceiling plate is soldered to the sprinkler's special upper support assembly in three places. Upon the application of sufficient heat, the plate falls to the floor exposing the residential pendent spray sprinkler. At the glass ampule's rated temperature, the sprinkler opens discharging water onto the floor in its required and approved distribution pattern.

**TECHNICAL DATA**

- See reverse side for Approvals and Specifications.
- Temperature Rating - 155°F (68°C).
- Water Working Pressure Rating - 175 psi (12 Bars).
- Factory tested hydrostatically to 500 psi (34 Bars).
- Maximum low temperature glass bulb rating is -67°F (-55°C).
- Frame - bronze • Deflector - brass • Screw - brass
- Bulb seat - copper • Spring - nickel alloy • Seal - teflon
- Bulb - glass with alcohol based solution, 3mm size.
- Cover Plate - brass
- Upper Escutcheon Assembly - steel



**RESIDENTIAL  
CONCEALED PENDENT**

**• SPRINKLER TEMPERATURE RATING/CLASSIFICATION and COLOR CODING**

| CLASSIFICATION | AVAILABLE SPRINKLER TEMPERATURES |      | BULB COLOR | N.F.P.A. MAXIMUM CEILING TEMPERATURE |      |
|----------------|----------------------------------|------|------------|--------------------------------------|------|
| ORDINARY       | 155°F                            | 68°C | RED        | 100°F                                | 38°C |

# REPLACEMENT RESIDENTIAL AUTOMATIC SPRINKLERS MODELS GL3547 LOW FLOW ADJUSTABLE CONCEALED PENDENT SPECIFICATIONS AND APPROVALS

| SIN MODEL | K FACTOR        | THREAD SIZE | LENGTH          | FINISHES  | 155°F (68°C) SPRINKLER WITH 135°F (57°C) PLATE | cULus |
|-----------|-----------------|-------------|-----------------|---|--|-------|
| GL3547    | 3.5 (49 metric) | 1/2" NPT    | 2 1/2" (6.4 cm) | Bright Chrome<br>White Painted<br>*Satin Chrome<br>*Bright Brass<br>*Other Painted Finishes | X  | X     |

NOTE: METRIC CONVERSIONS ARE APPROXIMATE.

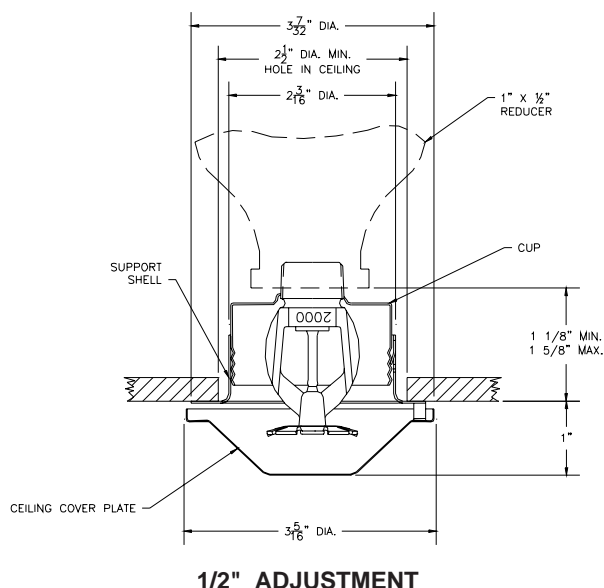
\*FINISHES AVAILABLE ON SPECIAL ORDER.

## INSTALLATION DATA CONCEALED PENDENT SPRINKLER

| MAXIMUM AREA OF COVERAGE | MINIMUM WATER DISCHARGE & PRESSURES NEEDED* |                              |
|--------------------------|---|------------------------------|
|                          | SINGLE SPRINKLER                            | TWO SPRINKLERS               |
| 12' x 12'                | 9 G.P.M. - 7 PSI.                           | 9 G.P.M. - 7 PSI. (EACH)     |
| 14' x 14'                | 12 G.P.M. - 11.7 PSI.                       | 12 G.P.M. - 11.7 PSI. (EACH) |
| 16' x 16'                | 12 G.P.M. - 11.7 PSI.                       | 12 G.P.M. - 11.7 PSI. (EACH) |
| 18' x 18'                | 16 G.P.M. - 20.9 PSI.                       | 13 G.P.M. - 13.8 PSI. (EACH) |
| 20' x 20'                | 16 G.P.M. - 20.9 PSI.                       | 16 G.P.M. - 20.9 PSI. (EACH) |

\*WHEN THESE SPRINKLERS ARE USED IN NFPA 13 SYSTEMS, A 0.1 DESIGN DENSITY MINIMUM SHALL BE UTILIZED.

## CROSS SECTION



## ORDERING INFORMATION SPECIFY

- Quantity • Model Number • Style
- Orifice • Temperature • Finishes desired
- Quantity - Wrenches - P/N 325390
- Quantity - Recessed Wrenches - P/N 325391
- Quantity - Protective Caps - P/N 327119

## GLOBE® PRODUCT WARRANTY

Globe agrees to repair or replace any of its own manufactured products found to be defective in material or workmanship for a period of one year from date of shipment.

For specific details of our warranty please refer to Price List Terms and Conditions of Sale (Our Price List).



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