



Product Alert

July 27, 2012

Type of Notification: Counterfeit

FM Approvals has been made aware of an automatic fire sprinkler bearing a counterfeit FM Approvals mark. FM Approvals has neither tested nor certified this product.

Product Identity: The sprinkler bears the marking "TY3151" on the deflector, the marking "JOB F5" on the frangible bulb and the marking "GLOBE" on the wrench boss

Description: The product appears to be a nominal K5.6, ½" NPT standard spray upright automatic sprinkler

FM Approval status: Not FM Approved, never tested

Hazard involved: There is no evidence these products have ever been tested to the rigorous requirements of any testing and certification organization, including FM Approvals. As such, these automatic sprinklers cannot be relied upon to react to or control a fire. Failure by any of the following mechanisms is possible: failure of the thermal element, orifice leakage, early operation, late operation, bulb strutting (incomplete fracture), deflector blow off, inadequate or excessive discharge rate, corrosive attack, failure to operate, failure to produce an adequate discharge pattern, etc. Of further note is the observed use of an o-ring type orifice seal, which historically have been proven to be unreliable and possibly dangerous. Some o-ring type sprinklers have been subject to recall per the Consumer Product Safety Commission.

The sprinkler was not produced by Globe Fire Sprinkler or Tyco Fire Products.

If you suspect you are in possession of a counterfeit Globe/TY3151 sprinkler bearing the FM Approvals certification marking, please bring that to the attention of:

Thomas G. McCarty
FM Approvals, Quality Department
Norwood, MA, USA
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Email: Thomas.mccarty@fmapprovals.com

Figure 1 below shows the deflector of the counterfeit sample. The counterfeit FM Approvals marking appears in the lower right portion of the photograph and the counterfeit sprinkler identification marking (SIN) is shown at upper left.

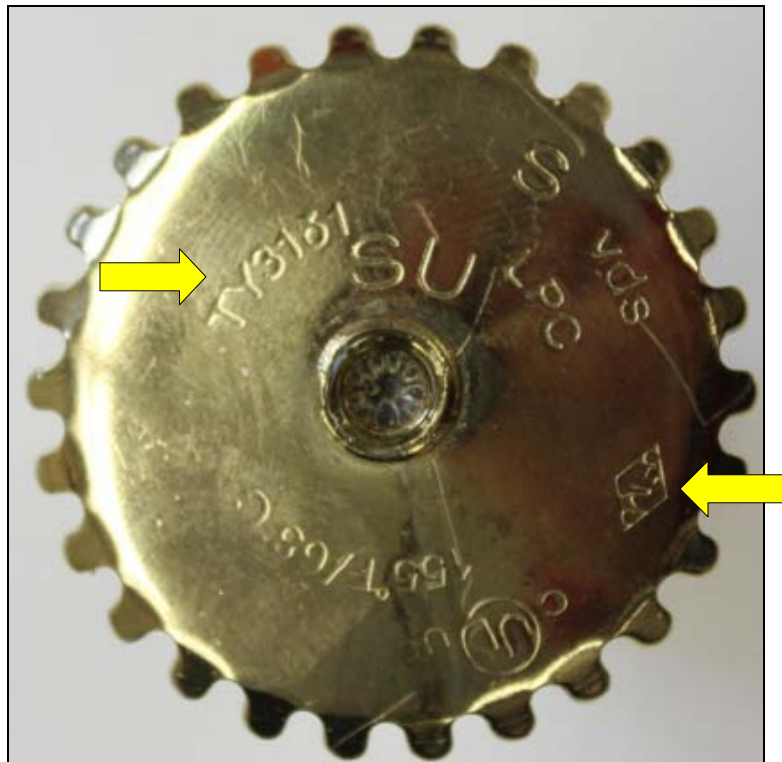


Figure 1 – Deflector markings of the counterfeit sprinkler

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Figure 2 below shows a profile view of the counterfeit sprinkler, bearing the “GLOBE” casting mark on the wrench boss.



Figure 2 – Profile of the counterfeit sprinkler

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Figure 3 below shows the counterfeit bulb in more detail. The ink marking on the bulb “Job F5” bears strong resemblance to authentic Job bulbs, however this bulb was not produced or marked by JOB GmbH. Also of note, there are not any currently FM Approved sprinklers that utilize authentic Job model F5 frangible bulbs.



Figure 3 – Detail of the counterfeit frangible bulb