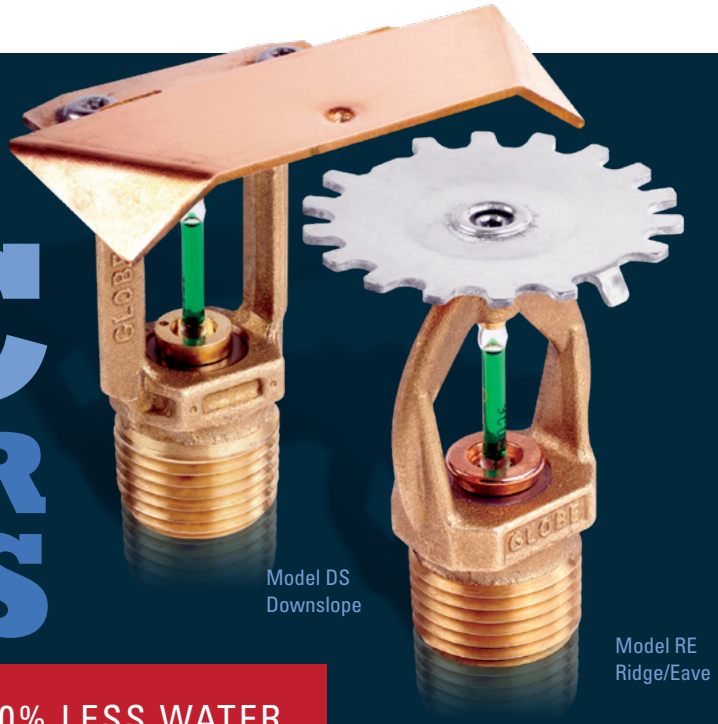
GLOBE

MULTIPLE PATENTS PENDING

ATTIC SPRINKLER SYSTEMS



Model DS
Downslope

Model RE
Ridge/Eave

PROTECT YOUR ATTIC USING UP TO 70% LESS WATER

Attic system demands can drive the size of system risers, underground and feed mains for an entire project — which also drives up project costs.

Globe's revolutionary new attic system design provides a wet or dry attic sprinkler system that can substantially reduce your system demand — and lower the total installed project cost.

THE NEWEST PROTECTION FOR ATTIC SPACES

- Innovative sprinkler system design for attic protection
- Less water used
- Smaller pipe diameter
- Smaller dry valves
- Potential pump savings
- Substantial reductions in total system cost

System Type	TRADITIONAL Per NFPA 13* (Standard Spray Sprinklers)	BACK TO BACK Specific Application Attic Sprinklers	GLOBE'S NEW Specific Application DS/RE
Dry System	300 – 500+ gpm**	340 – 400 gpm	120 – 140+ gpm
Wet System	150 – 250 gpm	250 – 300 gpm	100 – 120+ gpm

Anticipated system demands consider non-maximum sprinkler spacing due to construction and estimated over-discharge of piping system.

*NFPA 13 is the National Fire Protection Association's Standard for the Installation of Sprinkler Systems (nfpa.org).
**gpm = gallons per minute

A SMARTER DESIGN

Because of the calculation requirements of NFPA 13, traditional attic sprinkler systems have large total system demands. To comply with the Section 1.2 rule, for example, eight or more sprinklers may be required along a branch line.

Traditional attic system design guidelines are typically silent about sprinkler placement in the attic structure. This can result in a larger design area. Also, sprinklers may be vertically aligned with the slope of the attic, which can delay sprinkler activation and asset protection.

In our example of a traditional system (Figure 1), the total system demand is approximately 375 gallons per minute (gpm). However, it is not unusual for total system demands to exceed 600 gpm, due to the NFPA 13 design guidelines and the complicated build environment of attic structures.

Now Globe has created a smarter solution that can improve performance and decrease your material and labor costs. We start with our new, specially designed sprinklers: the Globe Model RE Ridge/Eave and the Globe Model DS Downslope. By strategically locating these sprinklers, you can optimize sprinkler activation and dramatically reduce the total number of sprinklers required. This also allows for optimum sprinkler sequencing, resulting in a lower total system demand.

The Globe attic protection design typically requires approximately 130 gpm for dry systems (Figure 1) and 100 gpm for wet systems. You can see that the Globe system's demand is drastically reduced from the traditional sprinkler system.

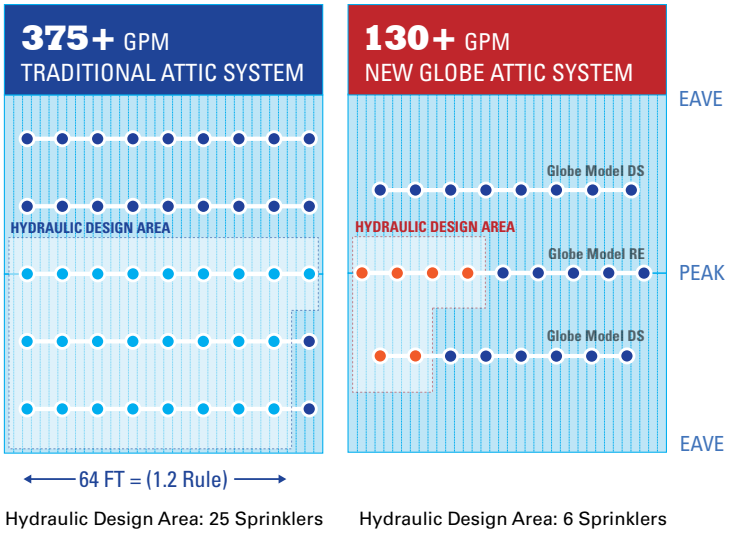
This reduced total sprinkler demand means less water required, smaller pipe diameter, smaller dry valves and other savings — all of which can substantially reduce your total system cost.

TECHNICAL SPECIFICATIONS

Globe Model RE Ridge/Eave and Model DS Downslope

- Response Type: Quick Response
- Approvals: cULus Listed
- K-Factor: 5.6
- Temperature: 200°F/93.3°C
- Maximum Working Pressure: 175 psi/12 bar
- Minimum Low Temperature: -67°F/-55°C
- Minimum Operating Pressure: 12.8 psi/0.88 bar

Figure 1: Traditional System Versus Globe's New Attic Sprinkler System



Hydraulic Design Area: 25 Sprinklers

Hydraulic Design Area: 6 Sprinklers

JOIN THE REVOLUTION!

The new Globe attic sprinkler system revolutionizes the protection of attic spaces. Find out how this system can save your resources. To learn more, contact your local Globe territory manager, contact our customer service team at **+1 989-846-4583**, or visit **globesprinkler.com/attic**.

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