



# FlameGuard™ CPVC Fire Sprinkler Piping Products

## SPEARS® Patented SR Design Sprinkler Head Adapters



SPEARS® Patented Special Reinforced (SR) plastic female thread design is one of the most significant advancements in the use of CPVC Fire Sprinkler System threaded fittings. Not just an added ring, this unique precompression design compensates for expansion forces generated from tapered pipe thread joint make-up. Radial stress is no longer a problem in normal installations and easily managed in severe over-tightening situations.

### Contains and Compensates for Radial Stress...

Radial stress, generated by tightening of tapered pipe threads, exerts tremendous expansion force on female plastic thread fittings. When subjected to over-tightening - even accidentally - these forces can literally split the fitting. Spears® patented SR Adapter design not only alleviates this problem by containing expansion forces with its special reinforced collar, but additionally compensates for expansion stress through thermoplastic material compression. Stresses are equalized at normal joint make-up.



## FlameGuard™ TorqueSafe™ GASKET SEALED HEAD ADAPTER

The CPVC Fire Sprinkler Head Adapter You've Been Waiting For...

- Eliminates Radial Stress
- Requires NO Thread Sealants
- Eliminates Sealant Incompatibility
- Prevents Over Tightening
- Provides Easy Frame Alignment
- UL® Listed, FM Approved

*Compatible with all Brands of Approved CPVC Fire Sprinkler Products*

Spears® TorqueSafe™ revolutionary design features a special molded-in-place Brass Thread Insert fitted with an elastomer gasket seal at the base of the threads. The gasket seal allows a modified thread design that eliminates radial stress and associated problems typical with tapered thread joint make up. The insert is designed to rotate during head installation for easy sprinkler frame alignment without over tightening!

**Training Requirements:** Due to the unique advantages of this product, Spears® requires and will provide contractor training free of charge prior to sale and use of the TorqueSafe™ product. Contact your nearest Spears® Regional Distribution Center for details.

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company