

Water Quality of Automatic Sprinklers

Amended Rules

Rules for the Survey and Construction of Steel Ships Part R

Reason for Amendment

Chapter 8 of the Fire Safety Systems Code (FSS Code) defines requirements for automatic sprinkler systems and their equivalents. The guideline regarding the maintenance and inspection of fire protection systems and appliances was approved as MSC.1/Circ.1432 in 2012.

In recent years, there have been reports of problems such as internal corrosion of sprinklers and clogging or blockage arising from products of corrosion or scale-forming minerals being detected during inspections of automatic sprinkler systems. For this reason, the maintenance and inspection of automatic sprinkler systems were reviewed and MSC.1/Circ.1516 was approved as a revised guideline in 2015. This guideline has already been incorporated into the ClassNK Rules.

Thereafter, at the 96th Maritime Safety Committee (MSC96) held in May 2016, the necessity of paying attention to the water quality of automatic sprinkler systems was discussed, and amendments to Chapter 8 of the FSS Code specifying that special attention is to be paid to the specification of water quality provided by the system manufacturer were adopted as Resolution MSC.403(96).

Accordingly, relevant requirements were amended in accordance with MSC.403(96).

Outline of Amendment

Specified that the special attention is to be paid to the specification of water quality provided by the system manufacturer.

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part R: 28.2.4