SPRINKLER JCR

Skop
A vida mais segura.

PRODUCT DESCRIPTION

Sprinkler model JCR is the latest Skop's launch being the only automatic fire sprinkler in the world to obtain ABNT and FM Global cerification/approval.
Esthetically,it presents sizes similar to those of sprinkler categories designed for commercial and residential use, and a line comprised of 64 combinations: diameters, type of response of the sensitive element,position and finishing.
The sensitive element of the JCR model is of the glass bulb type, developed under the highest German technology. The bulbs are 5 mm for standard response and 3mm for quick response.
The JCR model was developed to be applied in fixed systems of fire pipes, both for dry piping, wet, flood and pre-action systems. For its installation, we recommend the use of Skop's Fixation Switch, developed to be comfortable in the operation of the sprinkler's support, causing no damage to the client's lining/ceiling. In addition, all other accessories of the Skop line, such as escutcheon, can be used in the JCR model. As of the JCR model sprinkler, the Brazilian market has at its disposal a national product, with national and international certification, and the same advantages in service, support and deliver date that Skop has been making available for more than 30 years.

JCR H 15 68 CR

FM
2012

ABNT
SINCE 1982

HOW TO SPECIFY THE JCR MODEL AUTOMATIC FIRE SPRINKLER

The description code of Skop's sprinklers consist of 6 sets of letters and numbers that tells us exactly the model specified in the project and/or by the purchasing sector. Note that all certified sprinklers must have printed on the body of the product all these 6 marks, in addition to the manufacturing date and certifying entity.

From these codes, we will present the technical variations available for your project. See below the example of specification for the JCR model of the standard response type, pendent, ½", 68º C and chrome finishing:

JCR		H	15	68	CR
model	type of response	position	diameter	temperature	finishing

MODEL

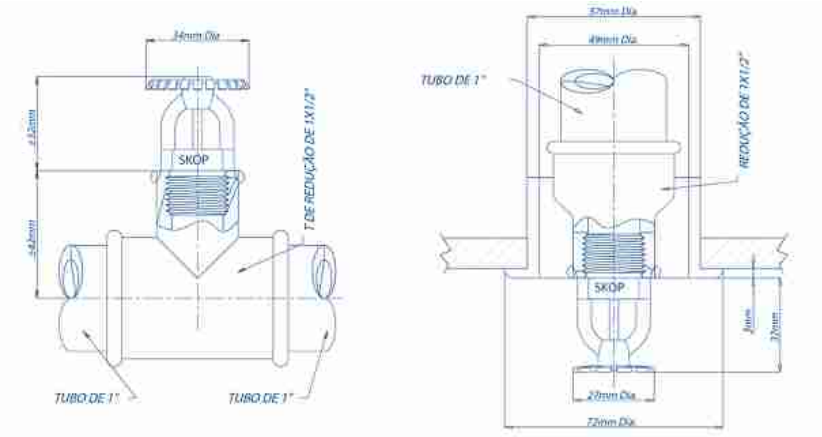
The model to be specified for Skop's sprinklers with ABNT and FM will always be JCR.

TYPE OF RESPONSE

The sensitive elements of the JCR model can be of the Standard Response Type (5 mm bulb) and Quick Response (3mm bulb). The response Type is Standard; do not print any number or letter beside the JCR model and when the response Type is Quick, print letters QR, which is the universal nomenclature for Quick Response.

SPRINKLER POSITION

The model JCR was developed to work in two positions: Pendent and Upright.
In the Brazilian market,it is desirable to use the H code for the Pendent models and to F models.



DIAMETER

The products of the Skop line use two diameters, as per table below

Nominal Orifice	Flange	K Factor
½" (15mm)	½" NPT	5.6 (80)
¾" (20mm)	¾" NPT	8.0 (115)

TEMPERATURE

The triggering temperatures of the sensor (bulb) element for the Skop sprinkler line are described in Table below. Each color of the liquid found inside the bulb indicates the triggering temperature of the same, according to the international sign Standards.

Classification	Temperature °C	°F	Max. Room Temperature (°C/ °F)	Bulb Color	Response STD	QR
Ordinary	68	155	38/100	Red	5 mm	3 mm
Ordinary	79	175	66/150	Yellow	5 mm	3 mm
intermediary	93	200	66/150	Green	5 mm	3 mm
Intermediary	141	286	107/225	Blue	5 mm	3 mm

JCR FR H 15 68 CR | J CR FR F 15 79 CR | JCR FR H 15 93 BR | JCR FR F 15 141 CR | JCR H 15 68 CR | JCR F 15 79 CR | JCR H 15 93 BR | JCR F 15 141 BR

FINISHING

The finishing available for all models of Skop's sprinklers are chrome and brass.

JCR H 20 68 CR | JCR H 20 79 CR | JCR F 20 93 NA | JCR F 20 141 NA

ACCESSORIES

The flat plate escutcheons available for the JCR model follow the color specified for each sprinkler.

MAINTENANCE OF JCR SPRINKLERS

Skop's sprinklers were developed to support a work pressure of 175 psi (12 bar / 1200 KPa); however 100% of the production is tested at 507 psi (35 bar / 3500KPa), according to ABNT's specific procedures, with the objective to warrant total reliability of the product.
The JCR sprinklers must be inspected periodically and the hydraulic system must be in accordance with the installation Standards and work pressure limits of the sprinklers.
Do not clean the sprinklers with soap and water, ammonia or any other cleaning fluid. Just remove the dust by using a soft brush or a smooth aspiration. Change the sprinklers which, by chance, have signs of paint different from the original, from the factory and/or present signs or torsion, breakage or any other mechanical effort. Maintenance of a minimum stock of sprinklers is recommended for eventual replacements in the installation. Skop provides specific cabinets for this purpose. See illustration below.

CERTIFICATIONS

Associação de Brasileira de Normas Técnicas (ABNT) since 1982
Factory Mutual Approvals (FM) since 2012
ISO 9001/2008