

PRODUCT TECHNICAL SPECIFICATION

SPRINKLER

SCOPE

Sprinkler systems installed in pipe systems connected to a certain water or air source are automatically activated due to the effect of the heat generated by a fire. The system includes technical details for the production of sprinkler products that allow water to be discharged onto flammable material in the form of sprinkling.

K Factor:	K5.6, K8.0, K 11.2, K 14.0
Thread Dimension:	½" NPT (15 mm), ¾" NPT (20 mm)
Response:	Standard response / Quick response
Finishes:	Brass, Chrome, Paint Coated
Temperature Rating :	57°C(135°F), 68°C(155°F), 79°C(175°F), 93°C(200°F), 141°C(286°F)
Pressure Grading:	175 Psi / 12 Bar
Minimum Operating Temperature:	-20 °C

A. MATERIALS

Body	CuZn40Pb2 (Short designation) / CW617N (Number) should be used as the body material. The body material should contain a composition conforming to the TS EN 12420 Copper and Copper alloys - Forgings standard.
Bulb Housing	CuZn40Pb2 (Short designation) / CW617N (Number) should be used as the body material. The body material should contain a composition conforming to the TS EN 12420 Copper and Copper alloys - Forgings standard.
Deflector	304-Grade Stainless Steel
Setscrew	304-Grade Stainless Steel
Glass / Bulb	It should be tested under appropriate operating temperatures and conditions containing Glycerin and Alcohol liquid.
Sealing Components	Sealing component compressed via pre-tensioning under the bulb housing

F. MARKING

Nominal diameter 1/2" or 3/4" on the body
DUYAR brand logo on the body

Year of Manufacture on the Deflector;

Product Code on the Deflector;

Nominal Temperature on the Deflector;

Approval logos received by the Product on the Deflector

Product Type Short Code on the Deflector

Flowrate value on the Deflector

→ Sample: 2017

→ Sample: DY-3323

→ Sample: 155°F/68 °C

→ Sample: LPCB, CE, 

→ Sample: SSU

→ Sample: K 5.6,

H. TEST

Mass Production tests

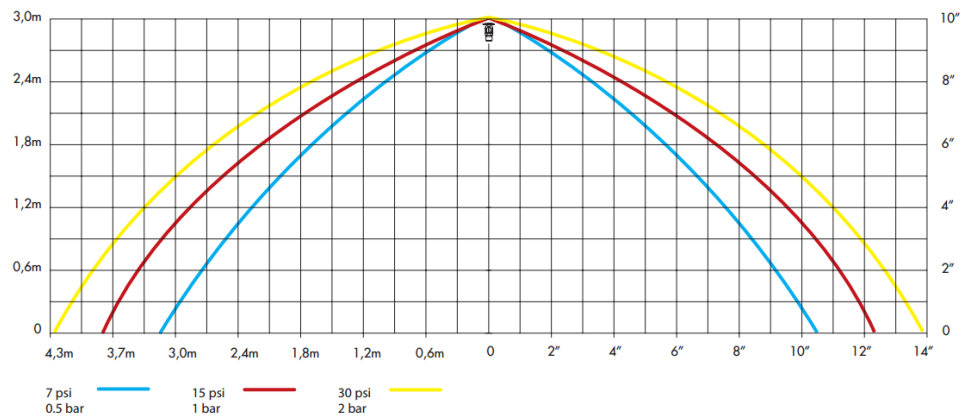
are carried out to meet EN 12259-1, TSE, CE, FM and UL Standards.

Each sprinkler shall be delivered to the customer after 35 bar sealing and strength testing.

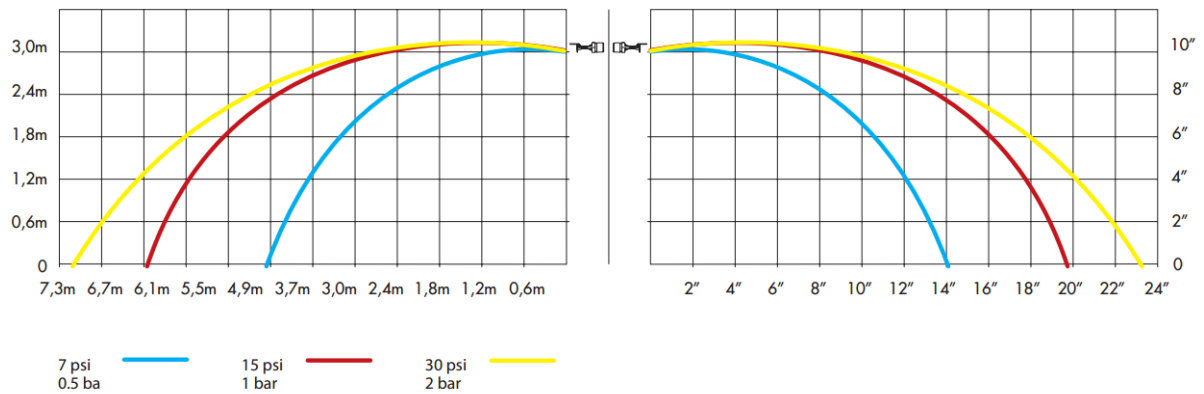
PENDENT K 5.6 SPRINKLER DY-3327/ DY-3337 DY-3427/ DY-3437



UPRIGHT K 5.6 SPRINKLER DY-3323 / DY-3333 DY-3423 / DY-3433



SIDEWALL K 5.6 SPRINKLER DY-3329/ DY-3339 / DY-3429 / DY-3439



I. WARRANTY

2-year warranty against workmanship and material defects

J. PACKAGING AND SHIPMENT

Sprinkler products shall be shipped to the customer in boxes of 100, separated by separators, with the Orange housing cover attached.