GW–S Automatic Sprinkler
SSP (Pendent)
15mm, K-57, Quick Response

GW SPRINKLER A/S

DESCRIPTION
The GW-S sprinkler series offers high quality, European manufactured, modern compact design, that meet the rigid test requirements set out by the world leading approval authorities. The unique GW PTFE / double groove seal in combination with high end heat responsive frangible glass bulbs guarantee durable operation and reliable performance. The use of precisely CNC-machined hot forged frames eliminates the risk of porosity.
All manufacturing and testing processes are performed strictly in compliance with our quality management system, certified to ISO 9001.

APPLICATION
GW-S SSP quick response sprinklers are used in fixed fire protection systems. Care must be exercised that RTI, orifice size, temperature rating, deflector style and sprinkler type is in accordance with the latest published sprinkler installation standards i.e. EN12845, CEA4001 or NFPA13.
The SSP (pendent) type sprinkler will pass 100% of the water in the flow direction with a 140° spray angle - generating a full cone spray.

TECHNICAL SPECIFICATION

STYLE	SSP (pendent)
RTI-VALUE	RTI < 50, Quick Response
GLASS BULB DIAMETER	Ø 3 mm
TEMPERATURE RATING	57, 68, 79, 93, 141°C
ORIFICE:	Ø 9,5 mm
K-FACTOR:	57 lpm / bar$^{1/2}$
NOMINAL THREAD:	15 mm (1/2" BSPT), length: 14mm
MAX. WORKING PRESSURE	12 bar
SYSTEM TEST PRESSURE	20 bar
FACTORY TEST PRESSURE	35 bar
WEIGHT	69 grams
OVERALL LENGTH	52 mm
DEFLECTOR DIAMETER	Ø 32
FINISHES	Natural (Brass), chrome plated, polyester powder coated (RAL)

APPROVALS

		LPCB		
		LPCB (UK)		

NOTE:
Not all bulb temperatures and material options are approved by all authorities.
Please consult GW for specific information.

OPTIONS
For improved corrosion resistance the GW-S series can be supplied (on request) in superior materials, such as: stainless steel SS316 or 254SMO, Nickel Aluminium Bronze and even in Titanium. Also available with ENP plating (electroless nickel plating).

Consult GW Sprinkler for further options.

GW Sprinkler A/S
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Data Sheet No.: **GW SH015 1005 C**
Date: 25.02.2022

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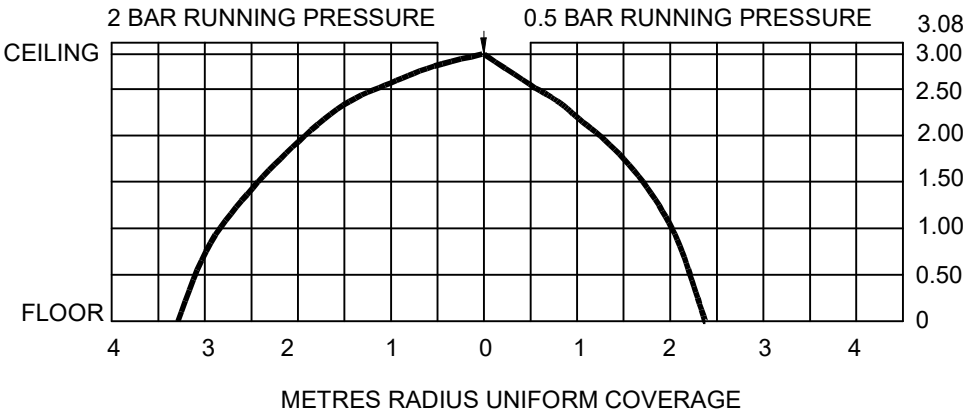
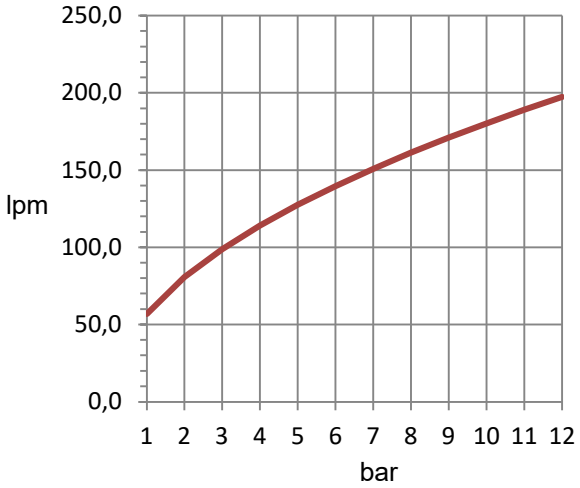
INSTALLATION
Install SSP type sprinklers in the pendent position in accordance with the latest published sprinkler installation standards i.e. EN12845, CEA4001 or NFPA13.
Modern sprinklers incorporate highly sensitive and fragile glass bulbs and the utmost care must be taken during handling and installation not to damage the glass bulb in any way! Never install sprinklers that have been dropped, damaged or fully or partly lacks glass bulb fluid. Install only sprinklers in pipework that is in its final place to prevent mechanical damage of the sprinklers.
Use only GW sprinkler wrench or box-spanner. Recommended torque to obtain leak tight joint: 10 – 20 Nm.
Brass sprinklers should only be installed in non-corrosive environments and environments free of ammonia, chloride vapors and cleaning solutions.

MAINTENANCE
The sprinkler system should be inspected and maintained according to e.g. NFPA 25.
Sprinkler heads should be inspected on an annular basis. Ensure that the sprinklers are not used for hanging any objects, and do not show signs of leakage or corrosion. Sprinklers found to be painted, coated or otherwise altered after leaving the factory must be replaced. Also replace any sprinkler that has a cracked bulb or has lost liquid from its bulb.
Dusty sprinklers can be gently cleaned using a feather duster – or similar gentle method/tool.
Automatic sprinklers are recommended to be inspected, tested and maintained by a qualified Inspection Service in accordance with local requirements and/or national codes.
GW-S sprinklers are supplied in special purpose built Styrofoam boxes for maximum protection – and spare sprinklers should always be stored / kept in the original packaging until installation.

WATER DISTRIBUTION & FLOW GRAPH





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