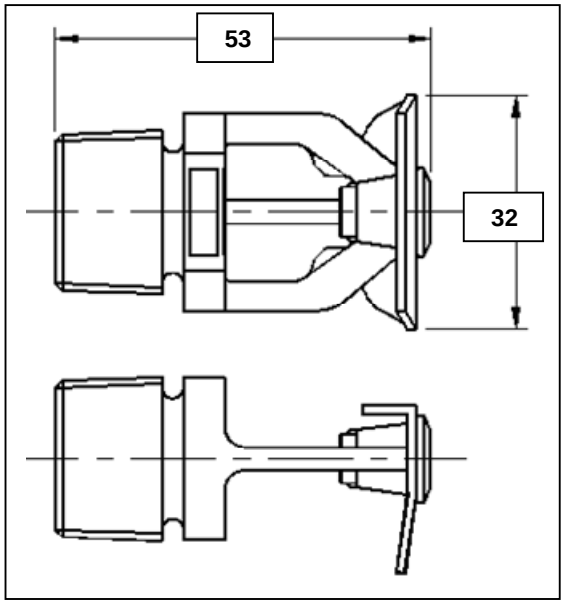
GW
WINDOW DRENCHER (HSW)
SEALED AND OPEN

GW SPRINKLER A/S



TECHNICAL SPECIFICATION	
Threaded connection (male)	½" BSPT
K-factor (metric)	80
Max. working pressure	12,5 bar
Min. working pressure	0,5 bar
Recommended working pressure	1 – 3 bar
Max. recommended spacing	2,5 m
Installation	Horizontal
Spray type	Reverse Action
Spray angle	15°
RTI (sealed version)	~ 100 (std. response)
Bulb diameter (mm)	Ø5
Bulb temperature	57,68,79,93,141,182°C
Weight	~ 77 g
Material	Brass
Finish	Natural – or powder coated in RAL colours

Description
The GW Window Drencher is developed for wetting and cooling of vertical surfaces. It is fitted with a specially developed deflector which provides a vertical down and 15° reverse, wide spray that generates an evenly distributed water run-down on the vertical surface behind it.

Application:
The GW Window Drencher is designed for horizontal installation. It is typically installed as part of an automatic sprinkler system (sealed bulb version), or a deluge system (open nozzle version) to protect a surface or area from heat radiation. The GW Window Drencher is typically used in applications where direct cooling by water run-down is called for – i.e. windows and glazing facades.

Selection:
Nozzles should be selected to provide the required application rate for the hazard/application. It is recommended to consult NFPA 13 and 15 for more guidance on nozzle selection and installation.

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Data sheet no.: **GW WS030 1002 B**

Data sheet: GW Window Drencher Sealed and Open

Date: 4 May 2015

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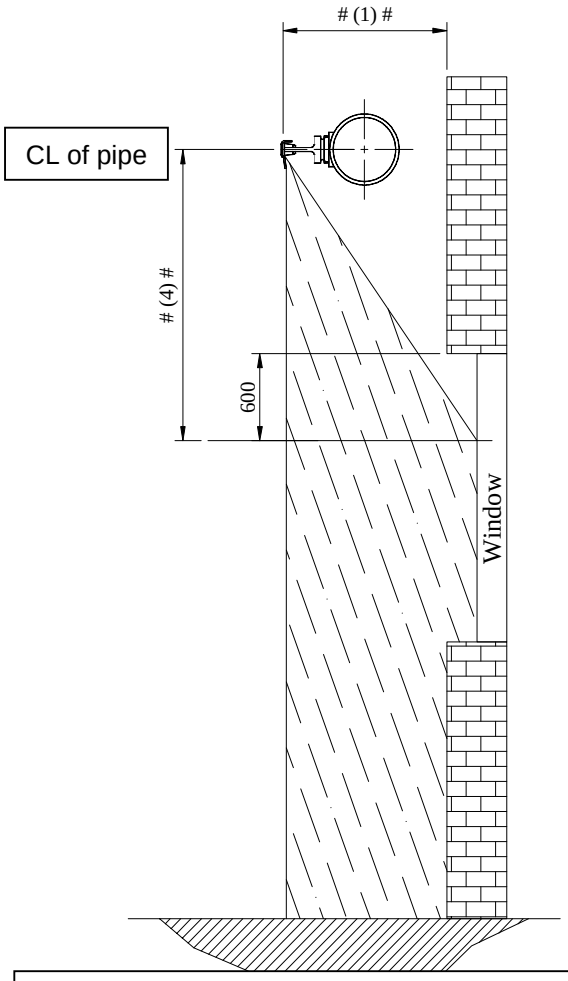
Installation:
The GW Window Drencher is installed in the horizontal position with the deflector pointing away from the surface to be protected – and with the round part of the deflector pointing downwards. The GW Window Drencher is a reverse action sprinkler which means that the water jet is reversed when hitting the deflector – and distributed downwards, backwards and side-wards. The reverse spray angle is ~15° to vertical, giving a 1:4 installation ratio (see schematic).
It is recommended that the GW Window Drencher is installed in such a way that the reverse spray strikes the window ~600 mm from the top/lintel. The horizontal sprinkler spacing should not exceed 2,5 m.

Schematic installation – not to scale!



Note:
For the spray to strike the window 600 mm from the top, the distance from the deflector to wall (stand-off) and CL of pipe to 600 mm below lintel should be in the approximate ratio of 1:4.

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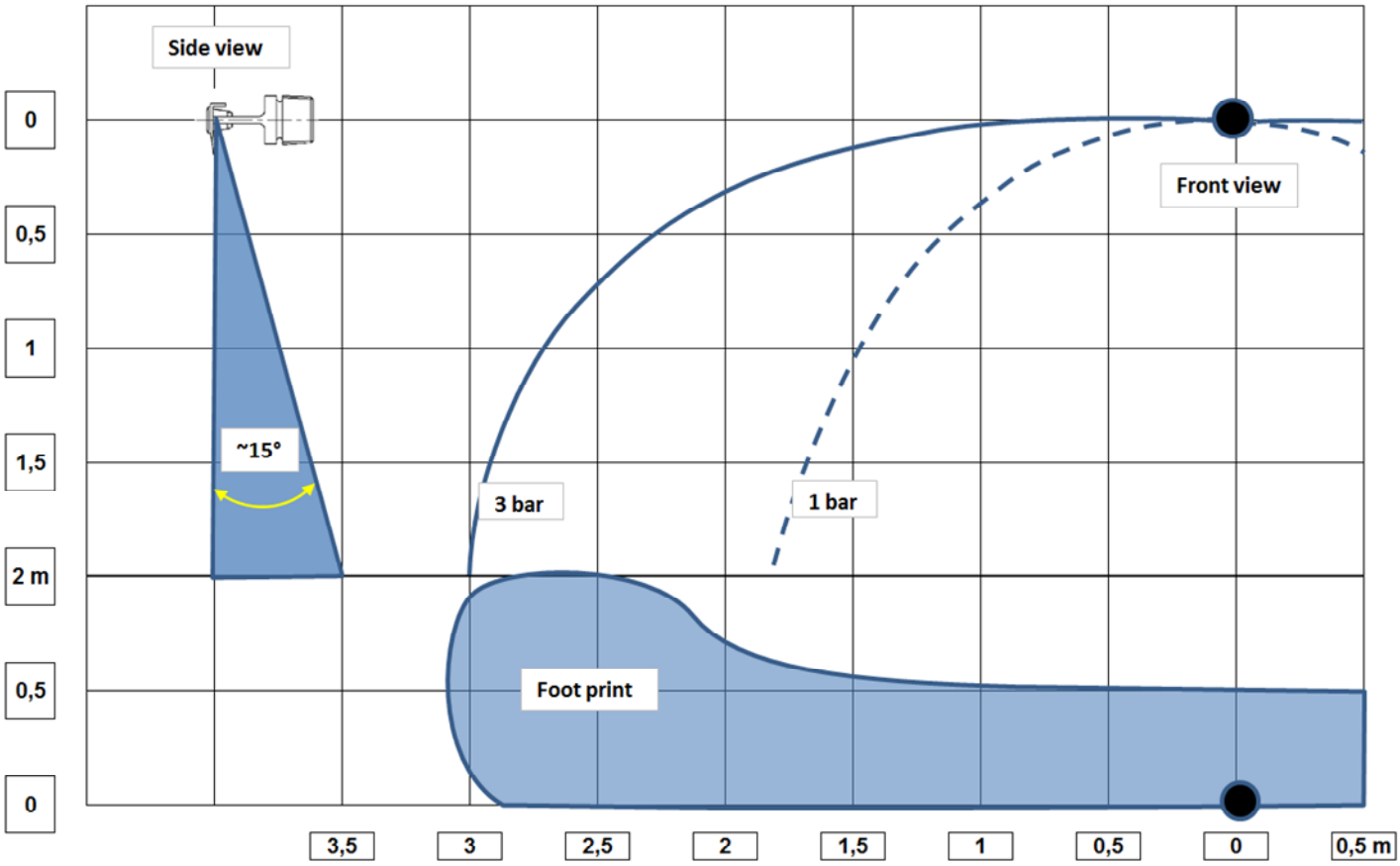

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