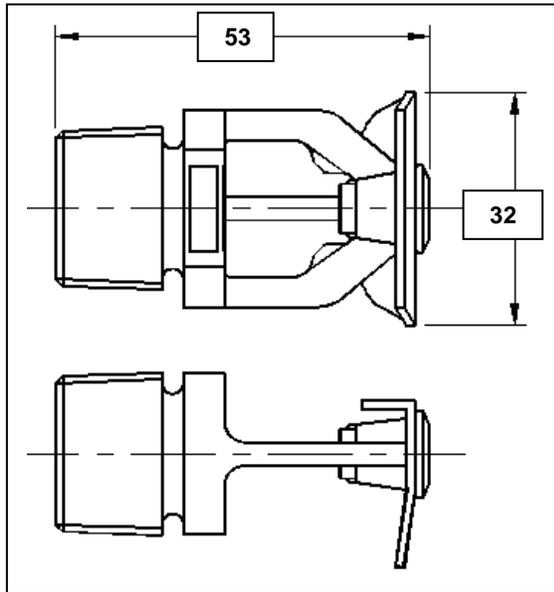


GW WINDOW DRENCHER (HSW) SEALED AND OPEN



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.

GW SPRINKLER A/S

Kastanievej 15, DK-5620 Glamsbjerg, Denmark

Tel: +45 64 72 20 55 Fax: +45 64 72 22 55

E-mail: sales.dep@gwsprinkler.com

Data sheet: GW Window Drencher
Sealed and Open

Page 1 of 3

Data sheet no.: **GW WS030 1001 B**

Date: 4 May 2015

GW WINDOW DRENCHER (HSW) SEALED AND OPEN

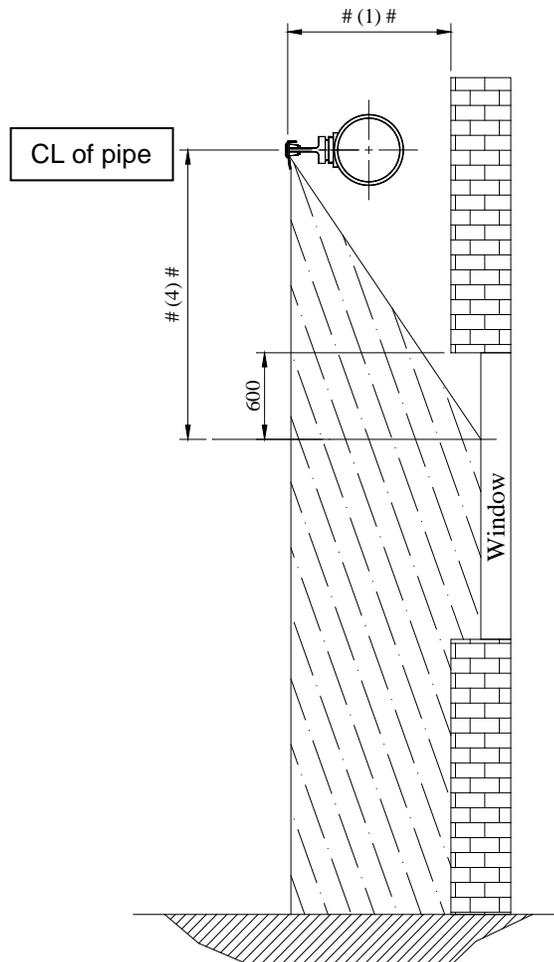


GW SPRINKLER A/S

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 $\sim 15^\circ$ 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.

GW SPRINKLER A/S

Kastanievej 15, DK-5620 Glamsbjerg, Denmark

Tel: +45 64 72 20 55 Fax: +45 64 72 22 55

E-mail: sales.dep@gwsprinkler.com

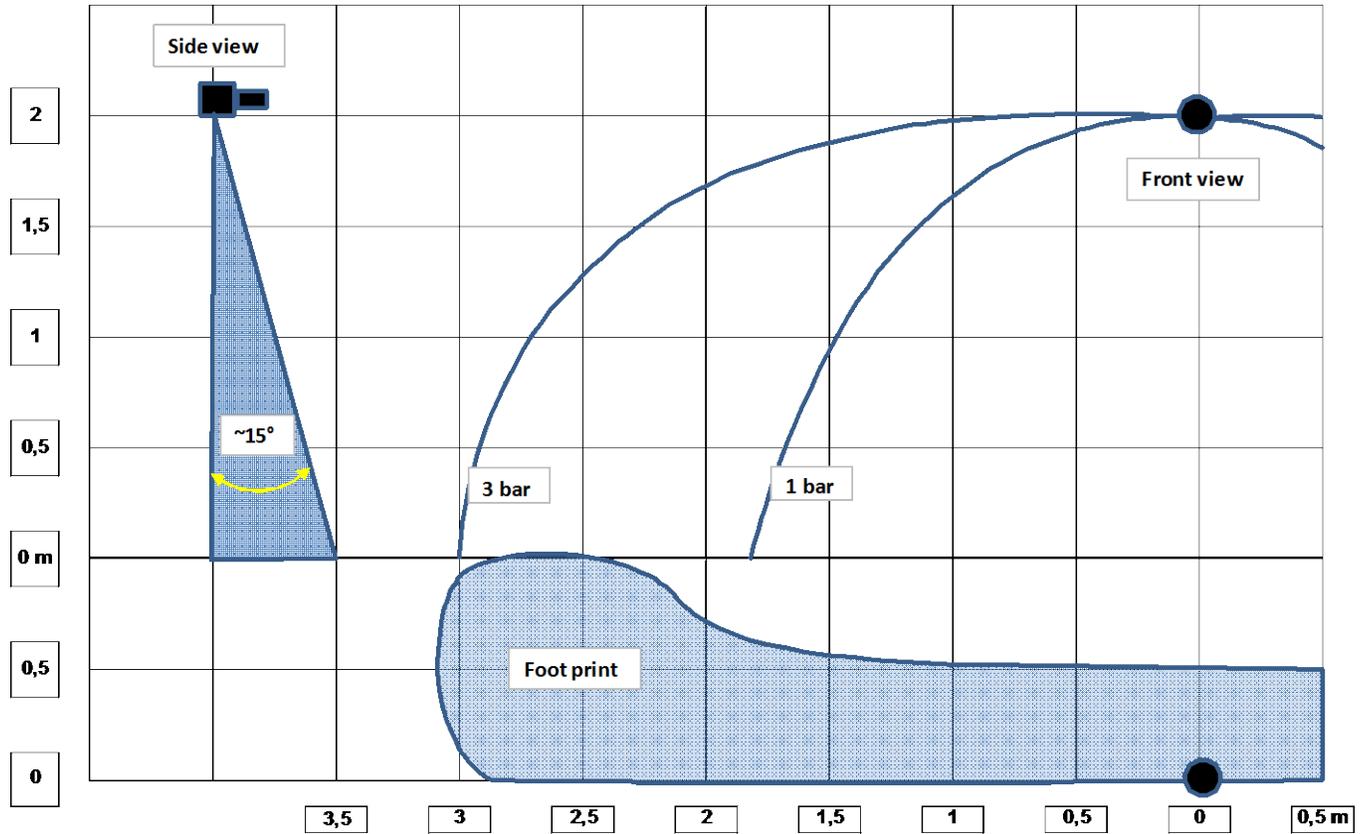
Data sheet no.: **GW WS030 1001 B**

Data sheet: GW Window Drencher
Sealed and Open

Page 2 of 3

Date: 4 May 2015

GW WINDOW DRENCHER (HSW) SEALED AND OPEN



GW SPRINKLER A/S
Kastanievej 15, DK-5620 Glamsbjerg, Denmark
Tel: +45 64 72 20 55 Fax: +45 64 72 22 55
E-mail: sales.dep@gwsprinkler.com

Data sheet no.: **GW WS030 1001 B**

Data sheet: GW Window Drencher
Sealed and Open

Page 3 of 3

Date: 4 May 2015