

GW FYRHED WATER CURTAIN 360

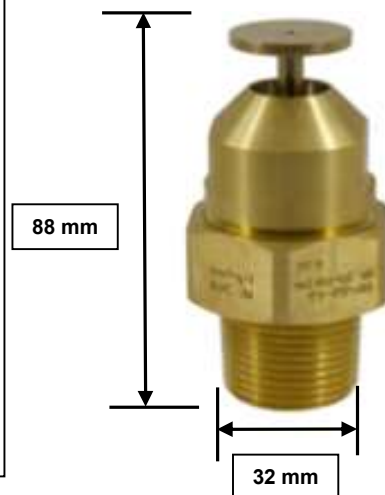
Material	Brass (standard)
Weight (brass)	450g
Alternative materials	SS316, 254SMO, Ni.Al.Brz., Titanium
Thread	1" NPT male (20mm long)
K-factor (metric)	98 ± 5%
K-factor (imperial)	6.8 ± 5%
Working pressure	
minimum	3 bar (43 psi)
maximum	12 bar (175 psi)
Recommended pressure	5 to 7 bar (73 to 102 psi)
Spray angle	360° (full circle) x 15° forward (hollow cone)
Spray type	Flat radial spray – water curtain
Typical mounting pos.	Horizontally (for vertical water curtain)
Coverage vertical up.	3,5 – 4,0m (wind still indoor test)
Coverage horizontal	5 – 6 m (radius) (wind still indoor test)
Spacing	max. 6 m.
Nozzle strainer	Not standard (optional on request)

Application:

The **GW Fyrhed WC360** nozzle is developed to provide a dense full circle flat water spray (curtain) to protect persons or structures from open fire heat radiation. Examples are escape routes, flare / burner areas on oil rigs, etc.

Installation:

The **GW Fyrhed WC360** nozzle is normally installed in the horizontal position directed towards the heat source. It can be operated in the pressure range of 3 to 12 bar – a working pressure of 5 to 7 bar is recommended to obtain optimum droplet size and spray robustness.



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

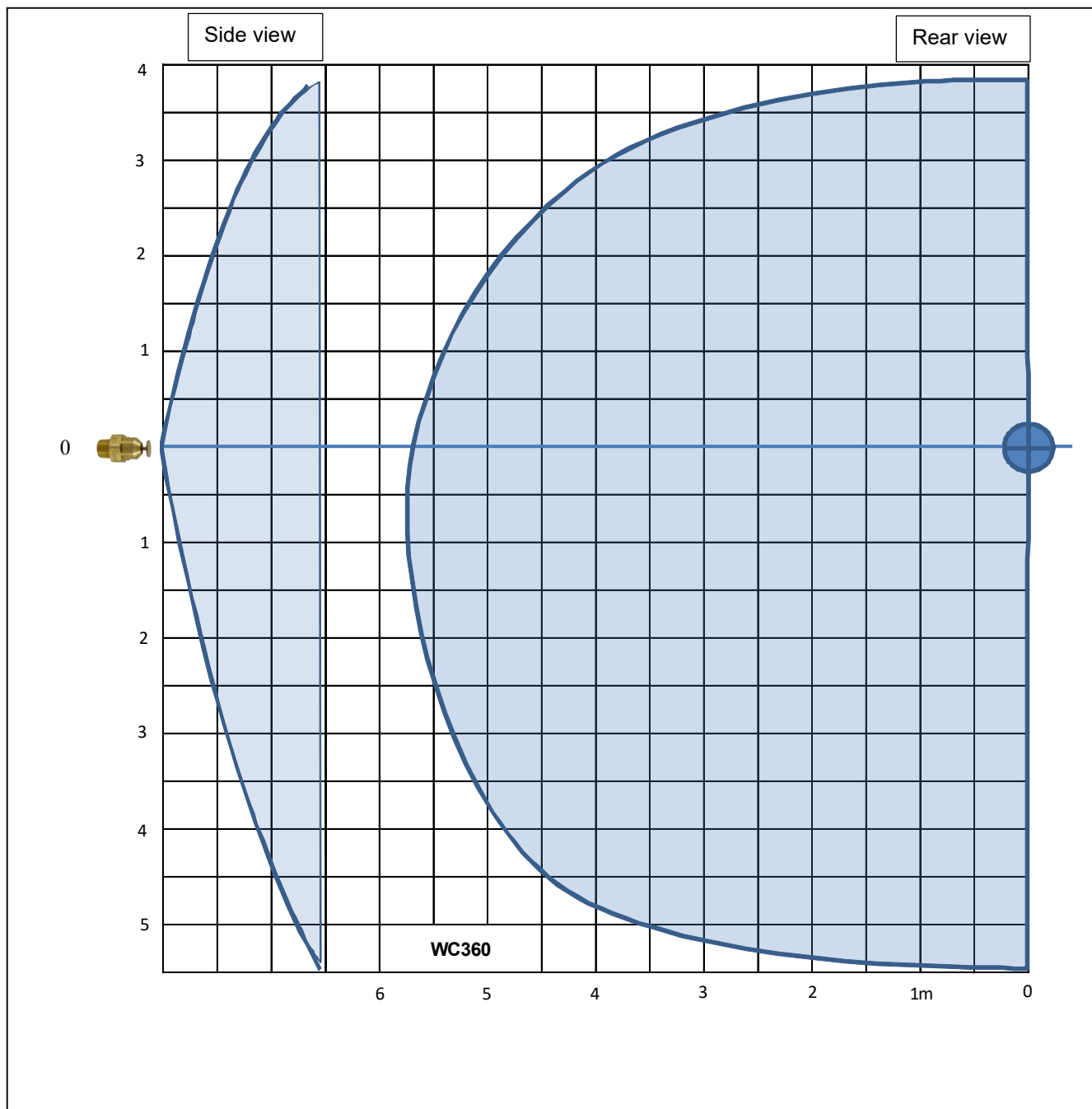
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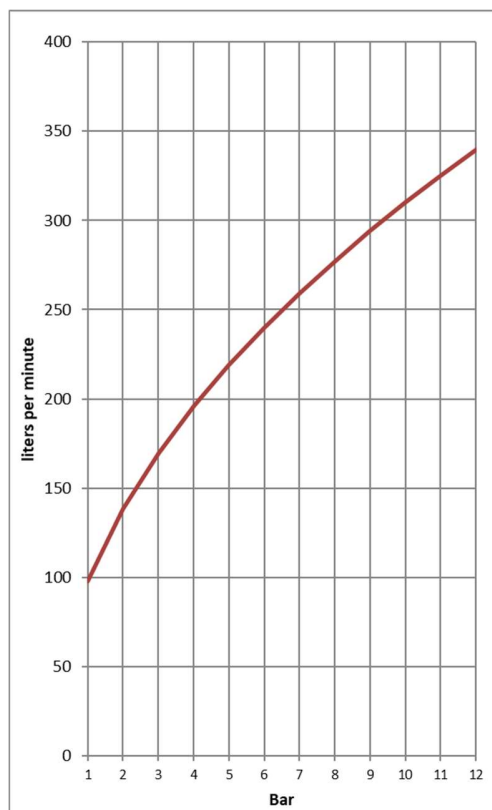
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Pressure / Flow



NFPA 13:

11.3.3 Water Curtains.

11.3.3.1 Sprinklers in a water curtain such as described in 8.15.4 or 8.15.16.2 shall be hydraulically designed to provide a discharge of 3 gpm per lineal foot (37 L/min per lineal meter) of water curtain, with no sprinklers discharging less than 15 gpm (56.8 L/min).

Extract from oil & gas industry design specification:

Water curtains require a flow rate of more than 25 l/min/linear meter (for each row). Water shall be supplied at a minimum pressure of 5 barg. The number of nozzles shall be determined in function of the nozzle flow characteristics, their spraying patterns and the water flow requirement by row and by unit of length.

Where a fire water curtain is intended to provide separation of two fire zones or deluge zones, the minimal flow rate shall be 50 l/min/linear meter.

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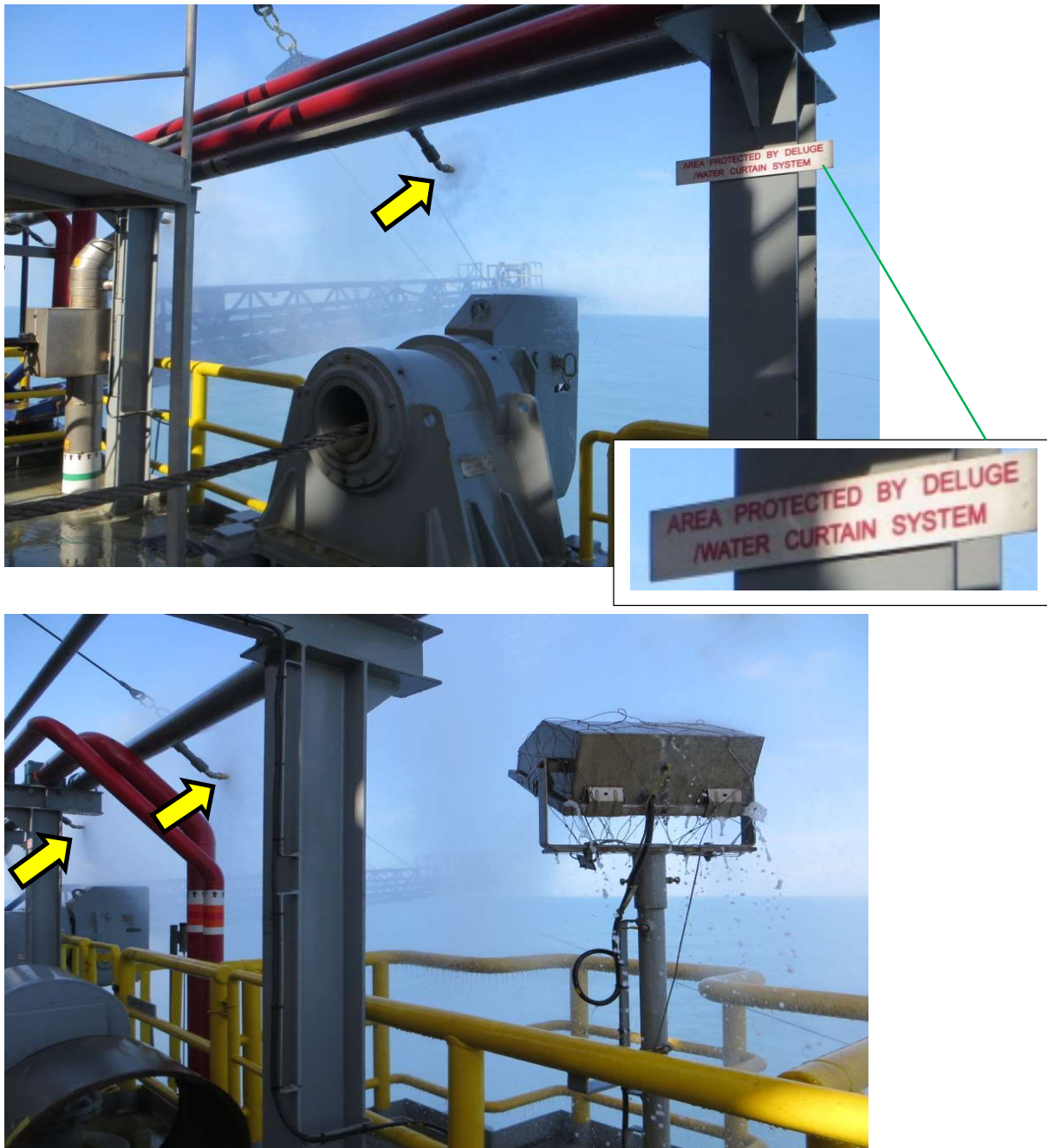
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GW Fyrhed Water Curtain 360 installed on oil rig to protect steel structure against heat radiation from burner / flare.



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