

TARGE Nozzle

OPTIMA's Lloyds Certified TARGE Nozzle is a cost-effective dual flow, high volume, heat suppressing nozzle designed for offshore and onshore Well Testing, Fire Escape, Lifeboat, Wellhead and Personnel protection.

The TARGE Nozzle makes use of atomisation technology for enhanced heat attenuation. Single entry, dual exit nozzle design creates a cup of coarse water spray and a fog of fine water droplets.

The primary discharge forms a strong conical spray maintaining structural integrity in adverse wind conditions as well as preventing the penetration of solid particles.

The secondary discharge water droplets absorb radiated heat resulting in a breathable, high visibility environment behind the nozzle discharge.

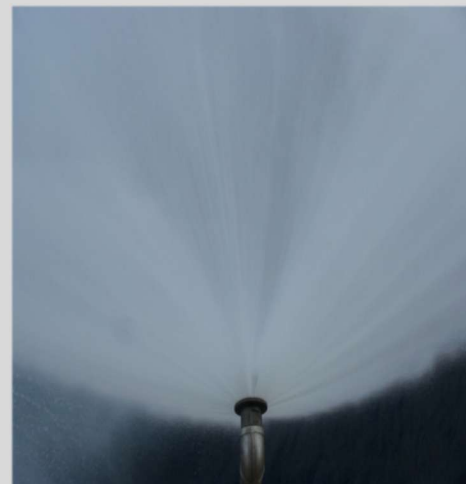
TARGE Nozzles pitched at set distance provide a solid water wall behind which personnel can work safely.

The TARGE Nozzles have been performance tested by Lloyds Register for heat attenuation, wind penetration and discharge geometry. In tests conducted by Fire Officers, a hydrocarbon firewall of 1,150°C was attenuated to 7°C at a distance of 2 metres. All TARGE Nozzles are patented and manufactured under Lloyds Register type approval and design verification.



Contact us to learn more at: www.optimauk.com

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Applications

- Well Test Operations
- Flare Stack Cooling
- Fire Escape Systems
- Lifeboat & Hazardous Area Protection
- Wellhead Protection

Benefits

- Reduces heat radiation during well testing
- Preserves installation integrity
- Personnel safety & compliance with API 521

Features

- Proven heat attenuation water wall & fog barrier with up to 90% efficiency
- Can absorb & attenuate heat flux from 40Kw/m² down to below 3Kw/m²
- Geometrically stable discharge in wind speeds up to 10m/sec
- Supplied by vessel pumps or standalone OPTIMA pumps
- Can deliver up to 210usgpm/per nozzle