

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Spray protection system**

with type designation(s)

Spray control-spray shield

Issued to

**BETEK Sicherheitstechnik GmbH
Groß-Zimmern, Germany**

is found to comply with

SOLAS 74 as amended, Regulation II-2/4-2.2.5.3**Application :****Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.****Max. working press.: PN 40**Issued at **Hamburg** on **2020-10-27**for **DNV GL**This Certificate is valid until **2025-10-26**.DNV GL local station: **Augsburg**Approval Engineer: **Ana Cristina Do Carmo Insfran****Olaf Drews
Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Flange spray shield is constructed of stainless-steel ASTM 316 (DIN 1.4404), inside steel NET (meshed size) and adjustable quick fastening clasp.

Thickness - Outside steel ring: 0,5 [mm]

Size: DN 10 to DN 300

Pressure: PN 6 to PN 40

Flange forms: round, oval and square

Flange standards: DIN, ANSI, JIS, SAE

Application/Limitation

The Spray Control®-spray shield is approved for screening of flanges as required by SOLAS II-2, Reg. 4 – 2.2.5.3 – Oil fuel lines shall not be located immediately above or near units of high temperature, including boilers, steam pipelines, exhaust manifolds, silencers or other equipment required to be insulated by paragraph 2.2.6. As far as practicable, oil fuel lines shall be arranged far apart from hot surfaces, electrical installations or other sources of ignition and shall be screened or otherwise suitably protected to avoid oil spray or oil leakage onto the sources of ignition. The number of joints in such piping system shall be kept to a minimum.

For application of the Spray Control®-spray shields the instructions of the manufacturer are to be observed.

Type Approval documentation

Type Approval Application dated on 2020-08-10
Type Approval Assessment Report dated on 2020-10-06
Catalogue BETEK Sicherheitstechnik GmbH

Marking of product

For traceability to this type approval each spray control systems are to be marked with:

Scope	Example
Manufacturer name or trademark	BETEK SRAY CONTROL
Product name	Spray Control
Size	DN xx
Pressure	PN xx-xx
Serial Number	xxx-xx

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment as per DNVGL-CP-0338, Sec.4 to verify that the conditions for the Type Approval are complied with.

To check the validity of this certificate, please look it up in <https://approvalfinder.dnvgl.com>