



DNV

# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. P-11423

This Certificate consists of 3 pages

*This is to certify that the*  
**Miscellaneous Fittings for Pressurised Equipment**

*with type designation*  
**NoSpray Protection System (IM 2002)**

*Manufactured by*  
**NoSpray Protection Systems Ltd.**  
Delta, BC V3M 5R4, Canada

*is found to comply with*  
Det Norske Veritas' Rules for Classification of Ships  
SOLAS II-2-15

*Application*  
Screening of pipe joints and fittings in accordance with SOLAS Consolidated Edition,  
2001, Chapter II-2/ Regulation 15.2.11

Temperature range: Max. 150 degr.C (300 degr.F) Fluid Temp.  
Design pressure: For use with piping of maximum 20 barg (300 psi) internal pressure.  
Operating media: For use with pipe flanges and fittings in systems for fuel oil, lube oil  
and other flammable oils.

*Place and date*  
Høvik, 2003-03-13  
for DET NORSKE VERITAS AS

*This Certificate is valid until*  
2007-06-30

Kåre Klokk  
Head of Section

*Local Office*  
DNV Vancouver



Tom Bjørn Hansen  
Principal Surveyor

Notice: 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.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



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File No.: 746.90

### Product description

Reference is also made to IMO FTP Code – IMO Resolution A.653 (16).

#### Place of Production;

861 Derwent Way, Delta, B.C., V3M 5R4, Canada

### Product description

NoSpray Protection System - Tape & Sheet;

35mm width x 10 m length  
50mm width x 10 m length  
140mm width x 10 m length  
250mm width x 10 m length  
500mm width x 10 m length  
1000mm width x 10 m length

Total thickness 9.5 mil for all sizes.

NoSpray Protection System is an aluminium/ glass cloth jacketing system which is coated one side with a silicon adhesive for installation.

### Application/Limitation

The extent of use is limited to spray shielding applications on oil pressure pipes located above the floor plates and which have no insulation in way of the joints. Use is also restricted to readily accessible positions where the integrity of the application may be inspected regularly and new covering will be applied after removal for maintenance purposes.

The installation of NoSpray Protection System is to be carried out in accordance with the Manufacturer's instructions.

The NoSpray Protection System cannot be used for pipes insulation, or as replacement for pipe gaskets and sealings.





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### **Type Approval documentation**

-Product Description, Specifications and Application Instructions for NoSpray Protection System.

### **Tests carried out**

- DNV Survey Report No. 410-1-5166-GDR1, dated 23 January, 2003, Surface Flammability Tests of "NoSpray Protection System Metallic Tape".
- Southwest Research Institute, Test Report dated January 2003; Fire Performance of "NoSpray Protection System" in accordance with IMO Resolution A.653(16).
- Chemsultants; Test Report: Project 03-117, dated January 27 2003; Peel Adhesion, Release, Tensile and Elongation, and Total Caliper.
- DNV Report – File No. CMC02/032, dated 25 February 2003; Witness Leakage Test for NoSpray Sheet or Tape (IM 2002).

### **Marking of product**

- Manufacturer's Name & Product Type.
- DNV T.A. No. P-11423

### **Certificate retention survey**

For retention of the Type Approval, DNV Surveyor shall perform a survey every second year, to verify that the conditions for the type approval are complied with and to witness testing on samples of tape/ sheet taken at random from stock.

END OF CERTIFICATE

