



**TYPE APPROVAL CERTIFICATE**  
**No. ELE097417XG/001**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Oil mist detector for Diesel engine crankcase</b>
<i>Type</i>	<b>VISATRON VN 115/93 VISATRON VN 116/93 VISATRON VN 215/93</b>
<i>Applicant</i>	<b>SCHALLER AUTOMATION INDUSTRIELLE AUTOMATIONSTECHNIK GMBH &amp; CO. KG Industriering 14 D_66440 Blieskastel GERMANY</b>
<i>Manufacturer</i> <i>Place of manufacture</i>	<b>SCHALLER AUTOMATION INDUSTRIELLE AUTOMATIONSTECHNIK GMBH &amp; CO. KG Industriering 14 D_66440 Blieskastel GERMANY</b>
<i>Reference standards</i>	<b>RINA Rules for classification of ships, Part C, Machinery systems and fire protection, Ch.3, Sect.6, table 1; IACS UR M67</b>

*Issued in* **HAMBURG** on **May 4, 2017**. *This Certificate is valid until* **May 3, 2022**

**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure





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VISATRON VN 115/93

VISATRON VN 116/93

VISATRON VN 215/93

### Product Description:

The VISATRON VN 115/93, VN 116/93 and VN215/93 series are oil mist detection systems for crankcase compartments and other engine locations uses a wear-free suction system for continuously extraction of the atmosphere.

### Main characteristics:

Power supply: 24V DC, max. 3 A

Outputs: Relay 2x Alarm, 1x Ready, 1x Pre-Alarm (max. 60V DC/AC, 60W, 125VA, 2A)

Communication: RS485, galvanic separated to monitoring device

System components:

- VISATRON series VN93 oil mist detector
- Protection cover
- Suction system including pressure regulator
- Monitoring device

### Variants:

VN115/93: is able to detect an oil mist alarm, without identifying the location of the oil mist source inside the engine.

VN116/93: is able to detect an oil mist alarm, indicating in the valve box window the left or right side of the detector with the highest oil mist concentration.

VN215/93: is able to detect an oil mist alarm, indicating in the valve box window the compartment with the highest oil mist concentration.

### Documents:

- Operating Instruction 10980 dated 11/2015

### Test Reports:

CETECOM GmbH: - 7.5.1-022b/94 dated 05/94; 7.5.1-022a/94 dated 04/94; 4.0178/99-2-1 dated 12/99;

- 4-0178/99\_1\_1 dated 12/99; 4-1055-1-1/03,

DMT: - 13412-94-016,

DEUTSCHE AEROSPACE AG: - 03479.103.94 dated 09/94

GHMT: - 330/97 SCAUE 067 dated 05/97; 515/99 SCAUE 019 dated 11/98; 356/97 SCAUE0 77 dated 07/97;

- 514/99 dated 01/99,

ESW: - 03509.023.95 dated 03/95

GSSO: - report according to IACS UR M67 dated 04/04/2007

Schaller: - IACS UR M67 Rev. 2 dated 16 Mar. 2017

### Remarks:

- The products fulfill EC-Code: EC33.

- This certificate replace the certificate no.: ELE046812XG.

HAMBURG May 04, 2017

