

# TYPE APPROVAL CERTIFICATE

DNV·GL

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No. **94 970 - 10 HH**

Company **SIKA**  
**Dr. Siebert & Kühn GmbH & Co. KG**  
**Struthweg 7-9**  
**34260 Kaufungen, GERMANY**

Product Description **Flow Switch**

Type **VH500RI / VH500RM**

Environmental Category **D, H**

Technical Data /  
Range of Application **Water / oil flow detector / switch**  
**Pipe sizes:** **DN 25** **DN 32** **DN 40** **DN 50**  
**Paddle segment (mm):** **25x30** **25x30** **25x30** **25x30**  
--- **25x38** **25x38** **25x38**  
--- **25x46** **25x46**  
--- **25x58**

**Setpoint ranges: 1400 I/h up to 9350 I/h (in water)**  
**Setpoint adjustable, tolerance +/- 15%**

**Max. pressure rating: 10bar**

**Connection: Direct mounting into pipe, M33x2 (VH 500 RM)**  
**G1 (VH 500 RI)**

**Micro switch - Change over contact:**

**DC switching capacity:**

**24V 5 A (resistive load), 4 A (inductive load)**

**60V 1 A (resistive load), 0.5 A (inductive load)**

**AC switching capacity:**

**250V 10 A (resistive load),**

**10 A (inductive load, pf 0.75)**

**Environmental Category "H": Vibration test curve 2 (2g only at dry test)**

Test Standard **GL Guidelines for the Performance of Type Approvals, Chapter 2- Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2003**

Documents **Test reports: SIKA no. 2010-05-06\_VH500.doc (dated 21.05.2010), TÜV no. 211159991\_001 (dated 05.10.2004); Drawing VH5179 (dated 27.05.2010)**

Remarks **This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.**

Valid until **2020-06-28**

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File No. **I.D.12**

**Hamburg, 2015-08-05**

Type Approval Symbol



*[Signature]*  
Arne Schaarmann

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Klaus-Peter Schröder

**DNV GL**