

## Type Approval Certificate Extension

This is to certify that Certificate No. 05/20016 (E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Göpfert AG Industriestraße 25795 Weddingstedt Germany
<b>DESCRIPTION</b>	Quick closing valves and Quick opening valves with pneumatic-hydraulic cylinder and wire operating device with and without bellow, Straight or angle types
<b>TYPES</b>	Quick closing valves, Quick opening valves
<b>APPLICATION</b>	As quick closing valves or quick opening valves in marine and offshore installation classified by Lloyd's Register
<b>STANDARD</b>	Lloyd's Register Rules and Regulation for the Classification of Ships, 2009 DIN 86251
<b>RATINGS</b>	Quick closing valves: DN 15 - DN 150 / PN 16, DN 200 / PN 10 Quick opening valves: DN 15 - DN 125 / PN 16 Design temperature: max. 140°C / with bellow max. 350°C Material designation: Body: GGG-40.3; G-CuSn5ZnPb Disk: X14CrMo 17; 1.4301 Gland-seal of spindle: graphite and FKM O-ring / with 1.4571 bellow Release cylinder: Stainless steel, brass
<b>Certificate No.</b>	05/20016 (E2)
<b>Issue Date</b>	07 April 2010
<b>Expiry Date</b>	14 March 2015
<b>Sheet</b>	1 of 2

*Torsten Schröder*

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*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No. HMD 14679-05, Issue No. 2, dated 07.04.2010 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 05/20016 (E1) to which this extension should be attached.

Certificate No.	05/20016 (E2)
Issue Date	07 April 2010
Expiry Date	14 March 2015
Sheet	2 of 2

  
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