

**CERTIFICATE NO FS/71/220/14/0066**

ZERTIFIKAT NR.:

**PAGE 1/1**

SEITE(N)

**LICENCE HOLDER**

GENEHMIGUNGSINHABER

PK Valve Co., Ltd.  
642-370, 80 Gondan-Ro, Seongsan-gu,  
Changwon-si,  
Gyeonsangnam-Do, Korea

**MANUFACTURING PLANT**

FERTIGUNGSSTÄTTE

PK Valve Co., Ltd.  
642-370, 80 Gondan-Ro, Seongsan-gu,  
Changwon-si,  
Gyeonsangnam-Do, Korea

**PROJECT NO/-ID**

PROJEKT-NR/-ID

H1GS

**LICENSED TEST MARK**

GENEHMIGTES PRÜFZEICHEN



**CERT. REPORT NO.**

ZERTIFIKATSBERICHT NR.

H1GS0001

**Tested according to**

Geprüft nach

IEC 61508:2010 Ed.2

**Certified product(s)**

Zertifizierte(s) Produkt(e)

Gate Valves

**Model(s)**

Modell(e)

ANSI Class 150, 300, 600, 900, 1500, 2500  
(details refer to H1GS0001)

**Technical Data and Parameter**

Technische Daten und Parameter

The products fulfill the requirements of functional safety acc. to IEC 61508. The products can be used with a hardware fault tolerance HFT = 0, e.g. in a 1oo1- architecture up to SIL 2 and with HFT ≥ 1, e.g. in an 1oo2 architecture up to SIL 3.

**Specific Requirements**

Spezifische Anforderungen

This certificate confirms the achievement of the requirements of functional safety based on the following proofs:

- Proof of systematic safety integrity for defined phases of the life cycle
- Proof of the required safety-related parameters (failure rate, PFD and SFF by means of FMEA)
- Proofs that processes and methods are established at the manufacturer guaranteeing that unexceptionable processes in terms of risk analysis, design, production, validation, change management and quality management comply with the safety-related standard (see H1GS0001).

**Certification Body  
for Functional Safety  
SGS-TÜV Saar GmbH**

Zertifizierungsstelle für Funktionale Sicherheit

Munich, 2014-12-05

  
Robert Sammer

The test mark regulation is an integral part of this certificate.  
Die Prüf- und Zertifizierungsordnung ist integraler Bestandteil des Zertifikates.

SGS-TÜV Saar GmbH, Im Maisel 14, 65232 Taunusstein

Website [www.sgs-tuv-saar.com](http://www.sgs-tuv-saar.com) E-mail [fs@sgs.com](mailto:fs@sgs.com)

