

**APPROVAL CERTIFICATE**

The Working Group Production, Storage and Transport Safety (GEST) of Euro Chlor, after examination of the documents listed in Appendix 1, declared that the valves manufactured by

**Phönix Armaturen-Werke - Bregel GmbH - Am Stadtbruch 6 - 34471 Volkmarsen  
Postfach 1140, 34467 Volkmarsen (Germany)**

As described hereafter :

- Are in accordance with the specification GEST 06/318, 2<sup>nd</sup> edition - June 2012
- And are approved for use with liquid and dry gaseous chlorine.

This Approval Certificate is given for the bellow sealed globe valves model(s) (Phönix references):

**350 manual valves types EC.4 and EC.5**

- Manufactured with dimension DN25 mm to DN150 mm/1 inch to 6 inches,
- According to PN40 and ANSI 300 Lbs,
- And in accordance with the documents listed in Appendix 1, an original of which being filed by Euro Chlor.

Euro Chlor keeps the right to cancel this approval certificate in case of infringement of the prescription of the GEST specification 06/318.

Phönix Armaturen-Werke

Euro Chlor


Working Group Production,  
Storage and Transport Safety  
(GEST)



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Mr Matthias Schubert  
Managing Director



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Mr Alistair Steel  
Executive Director



.....  
Mr Ton Manders  
Chairman

Location:  
Volkmarsen/Germany

Location : Brussels/Belgium

Location : Amersfoort/The  
Netherlands

Date : 22 / 02 / 2013

Date : 23/01/2013

Date : 28/01/2013

LIST OF DOCUMENTS

1. Catalogue sheets type 350 EC.4 - 350 EC.5
2. Drawings type 350 EC.4 - 350 EC.5
3. Drawings for hand wheel options
4. Detailed sketches for the arrangement of lower stern/coupling/upper stern
5. TÜV test report: Experienced evidence of the fulfilment of the requirements of TEST 06/318 Draft of June 2012
6. Crash test report for valve type 350 DN 25, 50 and 100, PN 40 - May 1992
7. Quality assurance manual Vol.3 Part 1, 40 pages, March 1993, Rev 01  
Part 3, 11 pages, March 1993
8. Letter dated April 28, 1997 of Bayer, Uerdingen
9. TÜV conformity certificate November 28, 2012
10. Mail Phönix (G. Wodara) of December 27, 2012 : “AW: your e-mail dated 13.01.12-12039E - New guideline on chlorine valves”