

**Certification about construction pattern test at shut off valves according to EN 14432**

Customer: EBRO ARMATUREN, Karlstr. 8, 58135 Hagen

Order: Test pattern EN 14432, Commission-No. 142142, from 02.02.2011,  
Commission-No. 146517, from 12.04.2011

1. **Testing object:** checked, in total:  
16 shut off valves, type Z 011-A , DN 25/50/80 /125 /200, PN 10  
of it: 100 % test contact according to EN 14432, chapter 7:  
10 shut off valves, Z 011-A , DN 25/50/80 /125 /200, PN 10  
Drawing-No.: DZ5W-025-0000-30  
DZ5W-050-0000-30  
DZ5W-080-0001-30  
DZ5W-125-0002-30  
DZ5W-200-0002-30

2. **Testing regulations:** EN 14432  
DIN 12266;  
Support in EN 736-1  
TRT002/024

3. **Realized checks:** Each of the 10 exemplarily chosen armatures mentioned above are provided with the necessary documents and were presented by EBRO ARMATUREN (including drawings, certificates of material and test proof). The papers are given to the expert. Based on EN 14432, Chapter 7, construction pattern test, the valves were checked according to a test-flat, coordinated with the expert. In addition to this the marking of the checked valves was done according to chapter 9 of EN 14432. This is reported in the test-flat. The single testing results are taken down and marked with the symbol of the authorized expert.

4. **Testing results:**

**We certify hereby that there was nothing to complain with reference to the realized checks, done in the company EBRO ARMATUREN, Hagen, Germany, according to EN 14432 on the 02.02.2011 (Commission-No. 142142) and 06.04.2011 (Commission-No. 146517). This certificate can be used as a prove of standard check based on construction pattern test according to EN 14432.**

**According to opinion from the expert it is necessary to consider the separate detailed certificate from TÜV Rheinland for the application and the use of the armatures to tanks for the transportation of dangerous goods for the proofed valves based on the presented proves given by EBRO ARMATUREN.**

Cologne, 08.04.2011  
975 Re-Ebro 10531839

The expert



Dipl.-Ing. H. Retterath  
(mechanical engineer)

