



Inspection Certificate

Project: --

Client: **Ebro-Armaturen Gebr. Bröer GmbH**
Hagen / Germany

Office: **Dortmund**

Client's Order Number: **HP 314-Serie**

Date: **10 May 2012**

Order Status: **incomplete**

Inspection Dates

First: **27 March 2012**

Final: **24 April 2012**

This certificate is issued to the above client to certify that a surveyor to Lloyd's Register did, at their request, attend the testing laboratory of Dr.-Ing. T. Bäumer - Ingenieurbüro -, Herford / Germany for the purpose of inspecting the product listed below.

Description: Flame resistant test of -1- Butterfly Valve

Type: HP 300
Nominal bore: DN 80
Pressure rating: Class 300
Manufacturer's drawing: DPH-080-0059-30

Materials:

| | |
|------------------------|----------|
| Body/ bonnet material: | 1.4408 |
| Stem material: | 1.4122 |
| Stem seal material: | Graphite |
| Seat material: | 1.4542 |
| Disc material: | 1.4408 |

Test requirements: DIN EN ISO 10497, 2010 and API 607 6th Edition
Qualified sizes: DN 80, DN 100, DN 125, DN 150, 3", 4", 5", 6"
Qualified pressure ratings: Class 300, Class 400, Class 600/ PN 40, PN 63, PN 100

The flame resistance tests have been carried out at the independent laboratories of Dr.-Ing. T. Bäumer.

Conclusion: All test results, witnessed by the Lloyd's Register Surveyor, were found to be satisfactory and fulfil the requirements of DIN EN ISO 10497 2010 and API 607 6th Edition in every respect.
For details please refer to the attached signed and stamped test report no. IBB-854 (6 pages).

Remarks:

The test valve is an asymmetric butterfly valve. Because it is intended for one-directional installation, the tests were carried out only for one flow direction.

G. Milke
Surveyor to Lloyd's Register EMEA

EN/Jbe

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