

Project: **Fire-safe test**

Client: **Metso Automation Oy Helsinki, Finland**

Office: **Helsinki**

Client's Order Number: -

Date: **18 January 2010**

Order Status: **Complete**

Inspection Dates

First: **17 December 2009**

Final: **17 December 2009**

This certificate is issued to **Metso Automation Oy** to certify that undersigned surveyor attended their works in Helsinki on the above date for purpose of witnessing fire tests of one (1) metal seated full bore ball valve manufactured by **Metso Automation Oy Helsinki, Finland**.

Particulars of valve

Type: **T2HY04DAH03**

Rating: **ASME Class 900**

Size: **NPS 4"**

Materials (as stated by the Manufacturer): See Appendix No. 2 of the test report.

Testing

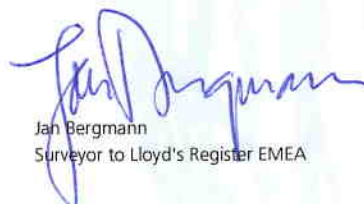
The test valve was selected and presented by the manufacturer. The test was conducted in accordance with the standard ISO 10497- 5: 2004 - identical with API 607, Fifth Edition, June 2005. Throughout the test the valve performed satisfactorily and met all the requirements of the above standard. Visual examination after testing confirmed that the design was in accordance with the manufacturer's drawing and parts list. A copy of the test report has been endorsed.

Before commencing the tests the testing apparatus was examined and found to be in accordance with the above standard.

This fire test also qualifies the following valve types:

T2G 04, 05, 06 and 08 (ANSI 900)

T2H 04, 05, 06 and 08 (ANSI 1500)



Jan Bergmann
Surveyor to Lloyd's Register EMEA

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