



Project: **Fugitive Emission Testing**

Client: **Metso Flow Control Oy, Vantaa, Finland**

Office: **Helsinki**

Client's Order Number: -

Date: **09 February 2017**

Order Status: **Complete**

Inspection Dates

First: **12 December 2016**

Final: **16 December 2016**

This certificate is issued to **Metso Flow Control Oy, Vantaa, Finland**, to certify that the undersigned surveyors did at their request attend their works in Vantaa on the above dates for the purpose of witnessing fugitive emission test of a Neles X-series metal seated ball valve.

Type: XG04DWT AJ2RXYBYY
Rating: ASME 300
Size: 4"
Materials: As stated by manufacturer. See the test report.

The test valve was presented by the manufacturer. The test was conducted in accordance with the ISO 15848-1:2015 standard.

Leakage measurements were witnessed as indicated in the enclosure 5 of the test report. The valve behaviour between the measurements and witness points was verified from the data collected by Metso Flow Control Oy as well as from the test report. Throughout the test the valve performed satisfactorily and met the requirements set in ISO 15848-1:2015 standard as follows:

Endurance class: CO-1 (205 mechanical cycles)
Temperature class: From -29°C to +400°C (Temperature test at +400°C)
Tightness class: BH

Visual examination after the test confirmed that design was in accordance with the manufacturer's drawing and parts list. Metso Flow Control Oy Test Report dated 04.01.17 was reviewed stamped and signed.

This test qualifies also X-series isolating valves as follows:

- Sizes in seat supported full bore 1" - 6" and reduced bore 2" - 8" including trunnion mounted full bore 2" - 8"
- Pressure classes up to and including ASME 300/ PN40
- Valves with live loaded graphite stem packing


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Lasse Salminen for Carl Eric Schalin and self
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