

SHREWSBURY, MA

To: File
From: Ken Sundberg
Subject: API-624 1ST Edition Fugitive Emissions Certificate for ½" – 6" Series AB, AM, AU, GB, GM, GU and GW, Pressure Classes 150, 300 and 600

Memo: FEC-2001
Date: May 19, 2020
Revision: 0

This is to certify the fugitive emissions test on the following Neles® brand valve and to extend certification of valves listed below to API-624, *Type Testing of Rising Stem Valves Equipped with Graphite Packing for Fugitive Emissions*.

API-624 Performance Classification

Maximum Allowable Stem Seal Leakage: 100 ppmv Methane
Number of Mechanical Cycles 310
Pressure: 600 psig (41.4 barg)
Temperature: 500°F (260°C)

Particulars of Tested Valve:

Product Code: GB04FWAJ2BP1XBCS1R1XEFGSAXAEFC
Type: Globe Valve
Series: Series GB
Size: 4 NPS
Stem Motion: Rising Stem
Pressure Class: ASME B16.34 Class 600
Body Cold Working Pressure: 1480 psig (102.1 barg)
Valve Operating Device: Linear Pneumatic Actuator

Materials of Tested Valve:

Body Material: ASTM A216, Grade WCB
Stem Seals/Stem Packing: James Walker Supagraf Premier
Body Seal: Spiral wound 316L+Graphite
Live Loaded Disc Springs: AISI 304
Stem Seal Configuration: Live Loaded Low Emissions Double Packed

Testing:

The manufacturer selected the test valve.

The testing completed meets the requirements of **API-624, 1ST Edition, dated February 2014**.

Testing was completed at Yarmouth Research and Technology, LLC on Certificate Number 219474A, dated March 10, 2020.

Throughout the test the valve performed satisfactorily and met all the requirements of the above standard.

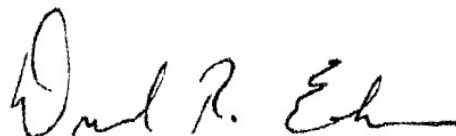
Visual examination after the test confirmed that the design was in accordance with the manufacturer's drawings and parts list.

This testing was is referenced under work request WR20201167.

The ½" – 6" Series AB, AM, AU, GB, GM, GU and GW, Pressure Classes 150, 300 and 600 valves use the identical packing components, and therefore Class 150 is also included in this certification.

Valves Qualified by this Test:

<u>Size</u>	<u>Series</u>	<u>Packing Construction Code</u>	<u>Packing Material Code</u>	<u>Model</u>	<u>Pressure Class</u>
½" – 6"	AB AM AU	GB GM GU GW	E	F	B CL150 CL300 CL600



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