



BUREAU
VERITAS

Fugitive emission certificate

Bureau Veritas Italia S.p.A. certifies that the tests performed on valve:

GLOBE CONTROL VALVES **Type CV-8400**

Valve size: *NPS 3 Class 600*

Serial Number: 1201199

Body sealing system: *Graphite with 316L tanged insert*

Stem sealing system: *Braided flexible graphite with Inconel wire reinforcement*

Stem diameter: *18 mm*

Manufactured by: **A.S.T. S.p.A. via Merendi, 40 20010 Cornaredo Italy**

Tested at A.S.T. S.p.A. facility, fulfils the requirements of ISO 15848-1 under the following test conditions:

Method: *Vacuum method for stem, sniffing method for body seal*

Fluid: *Pure Helium*

Pressure: *100/69 bar g*

Temperature: *room / +400°C*

Tightness class: *A*

Endurance class: *CC3 (100.000 cycles)*

Number of thermal cycles: *4*

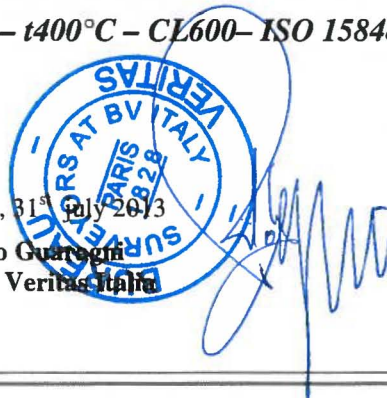
Number of stem seal adjustments: *none*

In accordance with detailed test report N° FET001, the globe control valves type CV-8400 that meets the ISO 15848-1 chapter 8 requirements may be marked as:

ISO FE AH – CC3 – SSA0 – t400°C – CL600– ISO 15848-1

At Milan, 31st July 2013

Paolo Guaragnoli
Bureau Veritas Italia





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Cornaredo 16/09/2013

Subject: Fugitive Emissions test in accordance with ISO 15848-1

Dear Mr. Scotti

we are pleased to inform you that we have successfully completed the fugitive emissions test in accordance with EN ISO 15848-1 on our control valve model CV-8400, equipped with the packing type 2236 manufactured by Teadit.

The test has been performed in our facility and has been witnessed by Bureau Veritas which issued the relevant certificate, here attached for your convenience.

Sincerely

Andrea Consonni
Engineering Manager
A.S.T. s.p.a.