



Emerson Automation Solutions
Actuation Technologies- Biffi Italia
Actuation Technologies
Strada Biffi 165
29017 Fiorenzuola d'Arda (PC)
Italy

Shell Global Solutions International B.V.
Grasweg 31
1031 HW Amsterdam (NH)
The Netherlands

Subject: Acceptance of Endurance Testing

Date: 12 April 2024

Security Class: Unrestricted

Dear Emerson – Biffi/Bettis Test Team,

This is to confirm that the actuator product range described in this acceptance document has satisfactorily completed the Endurance Test as described in EN 15714-3 (2009) including the Shell-specific pre- and post-inspections described in clause 7 of DEP 32.36.01.18-Gen (February 2022).

Manufacturer name: Emerson Automation Solutions Actuation Technologies- Biffi Italia

Product: Bettis CBx series and Biffi FCBx series actuators.

The Bettis CBx and Biffi FCBx series actuators are identical in design but branded differently. Models CBB725-SR40, CBB420-SR40, and CBA830-SR80 were tested to qualify the entire Bettis CBx series range.

Reference documents Emerson Automation Solutions Actuation Technologies test report Doc. Nr.: VA-DC-000-2203 (2/27/2024).

Facility where the test is performed: Emerson Crossridge facility in Houston.

Date and period for the test: from April 2023 to March 2024.

Any change to the specification, design or material selection requires revalidation of this acceptance document.

This acceptance does not imply that the actuator is Shell P&T TAMAP approved.

The validity of this acceptance document expires 10 years after its publication date.

Dick Horstman
Senior Automation Engineer – SME Automated Valves

A handwritten signature in blue ink that reads "Dick Horstman".

Certificate of Endurance Testing Emerson - Bettis CBx Series & Biffi FCBx Series Actuators