



EC TYPE EXAMINATION CERTIFICATE

This is to certify that Lloyd's Register Verification, a Notified Body under the terms of:
The Pressure Equipment Directive 97/23/EC;
The Pressure Equipment Regulations 1999, UK Statutory Instrument 1999 No. 2001 and SI 2002 No. 1267
did (in accordance with Module B of the Directive) undertake an EC Type Examination on the stated
pressure equipment to ensure its conformity with the requirements of the Directive which apply to it. The
equipment identified below was shown to comply.

This certificate is issued to:

APPLICANT: Emerson Process Management
Valve Automation Inc.
2500 Park Ave West, Mansfield, OH 44906 USA

AUTHORISED REPRESENTATIVE: Emerson Process Management
Valve Automation Inc.
El-O-Matic BV, Asveldweg 11, Hengelo, 7556 BR Netherlands

PRODUCT DESCRIPTION: Bettis™ Gate Valve Operator (GVO) Series
Linear Hydraulic / Pneumatic Actuator – Low and High Pressure
Model Type: (DA) Double Acting
(SR) Fail Safe Spring Return Retract
(FS) Fail Safe Spring Return Extend

PRODUCT TYPE: Pressure Vessel

DESIGN STANDARD: Bettis™ Canada Engineering Standard
ASME Section VIII Division 1; 2010 Edition 2011 Addenda

The attached Schedule details the content of the Technical Documentation and Specified Standards and shall form part of this certificate.

"This Certificate is not valid for pressure equipment, the design, ratings or operational parameters of which have been varied from the specimen tested. The manufacturer shall notify LRV of any modification or changes to the equipment in order to maintain a valid certificate."

"This certificate is valid for ten years from the date of issue."

Certificate No: 0038/PED/HOU/NAO1201054/1

Original Approval: 19 April 2013

Current Certificate: 19 April 2013

Certificate Expiry: 18 April 2023

LRV Notified Body Number 0038

Robert Armstrong on behalf of Lloyd's Register Verification

Lloyd's Register Verification Limited, 71 Fenchurch Street London EC3M 4BS UK



**EC TYPE EXAMINATION (MODULE B)
EMERSON PROCESS MANAGEMENT
Bettis™ GATE VALVE OPERATOR (GVO) SERIES
CERTIFICATE NO: 0038/PED/HOU/NAO1201054/1 SCHEDULE**

EQUIPMENT DATA

Type:	Pressure Vessel
Maximum Working Pressure:	Low Pressure (LP) – 150 Psig High Pressure (HP) – 3000 psig max (20" Cylinder) 2000 psig max (22" And 24" Cylinder)
Size:	4" to 48" (LP) 4" to 24" (HP)

The undermentioned documents have been reviewed for compliance with the Pressure Equipment Directive 97/23/EC and following Design Code(s):

Bettis™ Canada Engineering Standard
ASME Section VIII Division 1; 2010 Edition 2011 Addenda

TECHNICAL FILE CONTENTS

Title	Document Number	Revision
Technical Construction File Content <ul style="list-style-type: none">- Introduction- General Equipment Description- Applicable Constructions Code and materials- Conformity Assessment Tables- Final Product Testing- Bill of Material, Drawings, Analysis- Essential Safety Requirement Checklist- Risk Assessment- Particular Material Appraisal- Declaration of Conformity- Installation Manual	DF-GVO	A

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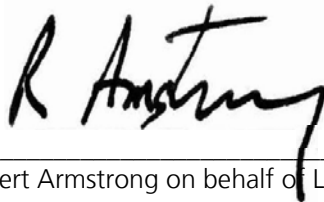
LRV REPORTS

Title	Document Number	Date
Design Appraisal Document	NAO 1201054/001/SMR Issue 0	26 December 2012
Certificate of Inspection and Test	NAO1201054/VG/01	01 April 2013

Schedule Issue: 01

Date of Schedule Issue: 19 April 2013

LRV Notified Body Number 0038



Robert Armstrong on behalf of Lloyd's Register Verification