



CERTIFICATE NUMBER

DATE

04-HS407482A/1-PDA

02 June 2009

ABS TECHNICAL OFFICE

Houston SED - Ship Equipment

## CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**EMERSON PROCESS MANAGEMENT-VALVE AUTOMATION  
- HOUSTON**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT: **Pneumatic Actuator**

MODEL: **CBA Series**

This Design Assessment Certificate number 04-HS407482A/1-PDA, dated 02/Jun/2009 will expire on 01/Jun/2014 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2010, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

AMERICAN BUREAU OF SHIPPING

Hans P. Haendler

Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

## EMERSON PROCESS MANAGEMENT-VALVE AUTOMATION

19200 NW FRWY  
HOUSTON  
TX 77065  
United States  
Telephone: 1-281-477-4100  
Fax: 281-477-2800  
Email: kenneth.chin@emerson.com  
Web: www.emerson.com

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**Product:** Pneumatic Actuator

**Model:** CBA Series

**Intended Service:**

Valve Operation

**Description:**

CBA315, CBA315-SR40 -SR60 -SR80 -SR100  
CBA415-SR40 -SR60 -SR80 -SR100  
CBA420, CBA420-SR40 -SR60 -SR80 -SR100  
CBA520, CBA520-SR40 -SR60 -SR80 -SR100  
CBA525, CBA525-SR40 -SR60 -SR80 -SR100  
CBA725, CBA725-SR40 -SR60 -SR80 -SR100

**Ratings:**

CBA315 & CBA315-SRXX = MAWP: 200 PSIG  
CBA415-SRXX = MAWP: 160 PSIG  
CBA420 & CBA420-SRXX = MAWP: 200 PSIG  
CBA520 & CBA520-SRXX = MAWP: 160 PSIG  
CBA525 & CBA525-SRXX = MAWP: 200 PSIG  
CBA725 & CBA725-SRXX = MAWP: 160 PSIG

Note: SR (Spring Return) is standard  
DA (Double -Action) is optional

**Service Restrictions:**

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

For use in Class III piping systems only.  
Not for use in propulsion and steering applications.

**Comments:**

None

**Notes / Drawings / Documentation:**

This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

**Term of Validity:**

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**STANDARDS**

## **EMERSON PROCESS MANAGEMENT-VALVE AUTOMATION**

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### **ABS Rules:**

2009 Steel Vessels Rules 1-1-4/7.7, 1-1-A3/5.1.1 & 4-6-7/3.5.5(a)

### **National:**

NA

### **International:**

NA

### **Government Authority:**

NA

### **EUMED:**

NA

### **Others:**

Bettis Engineering Design Operational Procedural Guidelines (EDOP)