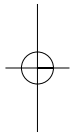


**Part 1A**  
**Subject: Hydraulic/ Pneumatic Systems**  
**Product: Actuator**

Producer/Licence No.	Description of Product				Cert. No.
	Type	Details of Approval	Application	Remarks	
Valve Automation Emerson Process Management 19200 NW Freeway Houston, Texas – 77065 USA  Alternate Place of Production Emerson Process Management Valve Automation (Tianjin) Co.,Ltd. No.15, Xing Wang Road, Wuqing Development Area, Tianjin, 301700 People's Republic of China	CBA315,CBA415, CBA420,CBA520, CBA525 & CBA 725 CBA 730, CBA830, CBA930 , CBA 1030 CBB315, CBB415, CBB420, CBB520, CBB525 & CBB725	Quarter turn, scotch yoke, pneumatic actuators- double acting or spring return Moment Arm (inches): 1.5, 2, 2.5 or 3 Operating pressure (psi) : 48 to 166 psi Torque- double acting (lb.in) 380 to 20846 Torque- spring return (lb.in) 148 to 22055	Fixed or mobile offshore use. To drive quarter turn valves to open or closed position using air in both directions ( double acting) or air in one direction (spring return)	Expires: 5 Feb 2018  Refer to certificate for conditions of approval.	93/60111 (E5)



*Nopal*

