



Reference:
Project Number:
Class Number:

HH/CH
T1338123
3483116
N/A

CLA-VAL COMPANY
1701 PLACENTIA AVENUE,
COSTA MESA, CA,
United States, 92627

ATTN: David Alexander

April 16 2015

Review Activity:

**Type Approval – Product Design Assessment
Fire Pump Relief Valve**

P/N:

50B-4KG1(Globe)/2050B-4KG1(Angle)

50B-4KG1KOL(Globe)/2050B-4KG1KOL(Angle)

50-49: 50G-49 (Globe)

50A-49 (Angle)

50G-49KX (Globe)

50A-49KX (Angle)

Equipment:

Fire Protection Pressure Relief Valve Size 3", 4", 6", and 8"

Documentation:

As per attachment

We have your application for ABS Type Approval dated March 10 2015 together with the enclosures listed below and are pleased to advise that we have completed the product design assessment phase of the type approval process. Enclosed is your original copy of the **Certificate of Design Assessment (PDA)**. Your details are published on our website at www.typeapproval.org and can also be downloaded there.

The design of the subject equipment has been reviewed and found to be in compliance with the following:

- ABS Rules for Building and Classing Steel Vessels, 2015
- ABS Rules for Building and Classing Mobile Offshore Drilling Units, 2014
- ABS Rules for Building and Classing Facilities on Offshore Installations, 2015

Please be sure that you understand the scope and conditions of the validity of the certificate. In particular we draw your attention to the restrictions on the certificate.

This Product Design Assessment (PDA) is intended for products to be used 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. The use of the product in a non ABS classed vessel, MODU or facility is to be mutual agreement between your company and your client

We recommend that you monitor the ABS Rules and other standards used in the approval. These Rules and standards often change on an annual basis, and you must comply with the new Rules and standards in order for the product to be used on an ABS classed vessel or facility contracted under the new Rules or specifications.

We do caution you that the use of the ABS logo is copyrighted. However, our "Approved Product" logo may be used as long as your PDA remains valid. Our "Product Type Approval" Logo may be used as long as you are conducting regular audits of your manufacturing process. Should you desire to continue with Product Type Approval, please contact the ABS Office at Houston port, Tel: 1-281-877-6344. The office will arrange for the production testing as may be necessary and audit of your quality assurance and control arrangements. To find another office, please use the directory of ABS offices on the ABS Web Site at www.eagle.org. You may also ask the ABS Program staff at Tel. (281) 877-6107, Fax (281) 877-6591, or e-mail absta-programs@eagle.org.

One (1) copy of the drawings appropriately stamped to indicate our reviews are being returned.

Please find enclosed our invoice to cover the cost of the design assessment phase of the type approval process.

AMERICAS DIVISION
16855 Northchase Drive, Houston, TX, 77060, US
TEL: 1-281-877-5800



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T11
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Document List

Engineering Office:	Americas Engineering Admin	
Submitter:	CLA-VAL COMPANY	
Drawing No	Revision No	Drawing Title
-	-	E-50B-4KG1_Bronze, Product Information Sheet
-	-	FM Approval Report 50B-4KG1 for Split Case Fire Pumps, FM Report
-	-	FM Approval Report 50B-4KG1 for Vertical Shaft Split Case Fire Pumps, FM Report
-	-	FM Approval Report for 50B-4KG1 with CRL60 20-200 100-300, FM Report
-	-	FM Test Report for 50B-4KG1 with CRL60 Proof Pressure Results, FM Report
-	-	UL TEST REPORT 50B-4KG 3 to 6in Mar1973, UL Test Report
-	-	UL TEST REPORT 8in 50B-4KG Nov1993, UL Test Report
-	-	E-50B-4KG1KOL, Product Information Sheet,
-	-	FM Approval Report for Water Pressure Relief Valves, Model 50B-4KG1KOL and 2050B-4KG1KOL
-	-	E 50-49 and 50-49KX, Product Information Sheet