



Energy - Downstream, Power and Manufacturing Design Appraisal Document

Lloyd's Register Asia
Mumbai Plan Appraisal
Unit 63 & 64, 6th Floor, Kalpataru Square
Kondivita Lane, Off Andheri-Kurla Road
Andheri (East), Mumbai 400 059.
Email: mumbai-plan-appraisal@lr.org

Date
04 June 2013
Quote this reference on all future communications
BPA1302313

Manufacturer : PT. TOMOE VALVE BATAM, BLOCK F-2, LATRADE INDUSTRIAL PARK,
JALAN SEI BINTI, TANJUNG UNCANG – BATAM, INDONESIA 29422.
Subject : TT2 (TRIPLE OFFSET BUTTERFLY VALVE).
Design Code : DIN 3840: 1982.
Pressure :

	150# Rating	300# Rating
Carbon steel valves	19.6 bar	51 bar
Stainless steel (CF8M grade) valves	19 bar	49.6 bar

Size : DN 80 to DN 600
Category : III (max)
Module : B.

The design technical file(s) listed below have been sampled from a batch of subject pressure equipment and examined to the requirements of the above Code in support of the **Essential Safety Requirements of the Pressure Equipment Directive (97/23/EC)**, for the design conditions specified in the documentation. The design technical files are considered to comply with the requirements of the Code(s) subject to the following:-

- (A) Construction and testing should be carried out to the requirements of the Code and to the satisfaction of the Surveyors.
- (B) The drawing showing "Document Status" as "BQ" should be revised or the comments contained in the paragraphs to follow should otherwise be resolved.
- (C) The drawings marked # have been received with the present submission.
- (D) Reference document(s):
 1. Hazard Checklist (Doc No: QA011227 – 3A, Rev.1)
 2. Particular Material Appraisal (List No. TVB-PMA-001, Rev. --)
 3. Operating Instructions (Doc No: --)
 4. Handling Precaution (Doc No: --)
 5. Clarifications vide emails dated 14.05.2013 and 31.05.2013

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COMMENTS:

1. We conclude that valves to SEP will not be CE marked.

The following points are advised for information:

In respect of Module B of Directive 97/23/EC, this appraisal is limited to:

- i) Examination of technical documentation listed below,
- ii) Identify parts designed in accordance with relevant standards,
- iii) Assessment of materials in accordance with Particular Material Appraisal requirements of the Directive.

The following are outside the scope of this appraisal but should be complied with:-

- I Checking integration of other equipments, components etc.,
- II Checking suitability from process considerations.
- III Checking requirements of other applicable Directives, namely ATEX, Machinery etc.

Shyam, G
Mumbai Plan-Appraisal
Lloyd's Register Asia
+ 91 22 42603146

List of Drawings:

	Model No	Drawing No.	Revision	Status	Date
#	TT2AFR/TT2AGR – 150#	GIC – 020 – 0	2	B	04.06.2013
#	TT2AWR/TT2ALR – 150#	GIC – 018 – 0	4	B	04.06.2013
#	TT2BFR/TT2BGR – 300#	GIC – 021 – 0	1	B	04.06.2013
#	TT2BWR/TT2BLR – 300#	GIC – 019 – 0	3	B	04.06.2013

Appraisal Status Key:

- B Examined
- BM Examined and amended in red
- BQ Examined subject to matters identified within the Design Appraisal Document which require resolution
- BQP Details to be submitted by the client to Mumbai Plan Appraisal Office.
- BQS Details to be submitted by the client to the local surveyor's office responsible for the building and the arrangements verified in accordance with the Code requirements by the attending surveyor
- R Rejected, Not acceptable
- RI Used for information only

Distribution:

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