



Marine Design Appraisal Document

Lloyd's Register EMEA
London Design Support Services
71 Fenchurch Street, London EC3M 4BS
Telephone +44 (0)20 7709 9166, Fax +44 (0)20 7488 4796

Date
22 January 2009

Quote this reference on all future communications
LDSS/ENG/PAS/O-96803

COMPONENT APPROVAL
MANUFACTURER: TOMOE TRITEC LTD
DESCRIPTION: TRIPLE OFFSET/DOUBLE FLANGED
BUTTERFLY VALVES

The plans listed in paragraph 1 of the appendix have been examined for compliance with the valve design requirements of Part 5, Chapter 12 and Chapter 13, Section 2.5 of LR's Rules and Regulations for the Classification of Ships and are assigned an appraisal status as indicated, subject to the following comments:-

1. The valves are to be manufactured in accordance with the Rule.
2. Materials for castings and forgings are to be produced at a works approved by LR and in general to be tested in accordance with Part 2.
3. Subject to the valves being identified on piping systems plans submitted for approval they could be accepted for use in ship-side locations providing they are installed in such a way that the section of pipe immediately inboard of the valve can be removed if necessary

Paul Stanney
Principal Specialist
Engineering systems
London Design Support Services
Lloyds Register EMEA
71 Fenchurch Street
London EC3M 4BS

Tel: +44 (0)20 7709 9166 (switchboard)
Tel: +44 (0)20 7423 1917(direct line)
Fax: +44 (0)20 7423 1824
email: engineering@lr.org

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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1. The documents listed below have been examined

Document No.	Rev.	Title	Status	Date
20466	A	24 Inch Nominal Bore Class 150# Double Flanged Valve Short Pattern General Arrangement	A	22-Jan-2009
20466	A	24 Inch Nominal Bore Class 150# Double Flanged Valve Short Pattern Parts List	SI	22-Jan-2009
20373	E	22 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern General Arrangement	A	22-Jan-2009
20373	E	22 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Parts List	SI	22-Jan-2009
20373	E	22 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Serial and Tag Number	SI	22-Jan-2009
20374	E	20 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern General Arrangement	A	22-Jan-2009
20374	E	20 Inch Nominal Bore Class 150# Valve Double Flanged Valve Short Pattern Parts List	SI	22-Jan-2009
20374	E	20 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Serial and Tag Numbers	SI	22-Jan-2009
20467	A	16 Inch Nominal Bore Class 150# Flanged Valve Short Pattern General Arrangement	A	22-Jan-2009
20467	A	16 Inch Nominal Bore Class 150# Double Flanged Valve Short Pattern Parts List	SI	22-Jan-2009
20375	E	14 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern General Arrangement	A	22-Jan-2009
20375	E	14 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Parts List	SI	22-Jan-2009
20375	E	14 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Serial and Tag Numbers	SI	22-Jan-2009
20376	E	12 Inch Nominal Bore Class 150# Valve Double Flanged Valve Short Pattern General Arrangement	A	22-Jan-2009
20376	E	12 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Parts List	SI	22-Jan-2009
20376	E	12 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Serial and Tag Numbers	SI	22-Jan-2009
20372	D	10 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern General Arrangement	A	22-Jan-2009
20372	D	10 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Parts List	SI	22-Jan-2009
20372	D	10 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Serial and Tag Numbers	SI	22-Jan-2009
20468	A	8 Inch Nominal Bore Class 150# Flanged Valve Short Pattern General Arrangement	A	22-Jan-2009

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Appendix

20468	A	8 Inch Nominal Bore Class 150# Double Flanged Valve Short Pattern Parts List	SI	22-Jan-2009
20469	A	6 Inch Nominal Bore Class 150# Flanged Valve Short Pattern General Arrangement	A	22-Jan-2009
20469	A	6 Inch Nominal Bore Class 150# Double Flanged Valve Short Pattern Parts List	SI	22-Jan-2009
20377	E	6 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern General Arrangement	A	22-Jan-2009
20377	E	6 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Parts List	SI	22-Jan-2009
20377	E	6 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Serial and Tag Numbers	SI	22-Jan-2009
20378	C	3 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern General Arrangement	A	22-Jan-2009
20378	C	3 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Parts List	SI	22-Jan-2009
20378	C	3 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Serial and Tag Numbers	SI	22-Jan-2009
20379	F	2 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern General Arrangement	A	22-Jan-2009
20379	F	2 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Parts List	SI	22-Jan-2009
20379	F	2 Inch Nominal Bore Class 150# Valve Double Flanged Short Pattern Serial and Tag Number	SI	22-Jan-2009

2. The documents previously appraised in earlier submissions, now listed in paragraph 1 above, are superseded.

Appraisal Status Key

- A Approved - provided the arrangements are to the surveyor's satisfaction
SI Retained as supporting documentation for information only

All statuses that aren't applicable should be removed from the table above

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