Lloyd's Register

EC TYPE EXAMINATION CERTIFICATE

This is to certify that Lloyd's Register, a Notified Body under the terms of:
The Pressure Equipment Directive 97/23/EC;
The Pressure Equipment Regulations 1999, UK Statutory Instrument 1999 No. 2001,
did (in accordance with Module B of the Directive) undertake an EC Type Examination on the stated pressure equipment to ensure its conformity with the requirements of the Directive which apply to it. The equipment identified below was shown to comply.

This certificate is issued to:

APPLICANT:	**Barton Firtop Engineering Co. Ltd.** **Stoke Heath Works** **Hanbury Road** **Bromesgrove** **Worcestershire B60 4LT** **United Kingdom**
PRODUCT DESCRIPTION:	**Quick Release Mono-in-Line Strainers**
PRODUCT TYPE:	**Quick Release Mono-in-Line Strainers**
DESIGN STANDARD:	**ASME VIII, Division 1**

The attached Schedule No. BHM 0140027/01 details the content of the Technical Documentation and Specified Standards and shall form a part of this certificate.

"This Certificate is not valid for pressure equipment, the design, ratings or operational parameters of which have been varied from the specimen tested. The manufacturer shall notify LR of any modification or changes to the equipment in order to maintain a valid certificate."

"This certificate is valid for ten years from the date of issue."

Certificate No:	*BHM 0140027/01*
Date of Issue:	*30th May 2002*

LR Identification Number 0038

C. C. Webb on behalf of Lloyd's Register

FORM 7005 (03/2000)

Lloyd's Register

EC TYPE EXAMINATION (MODULE B)
BARTON FIRTOP ENGINEERING CO. LTD.
QUICK RELEASE MONO-IN-LINE STRAINERS
CERTIFICATE NO. BHM 0140027/01 SCHEDULE

EQUIPMENT DATA

Type:	**Quick Release Mono-in-Line Strainers**
Maximum Pressure Rating:	**ASME B16.5 Class 150 lb Pressure/Temperature Rating** **ASME B16.5 Class 300 lb Pressure/Temperature Rating**
Nominal Size:	**1" - 12" NB**

The undermentioned documents have been reviewed for compliance with the Pressure Equipment Directive 97/23/EC and following Design Code(s):

ASME VIII, Division 1: 1998, up to and including 2000 Addenda

TECHNICAL FILE CONTENTS

PED Type Test Verification Documentation: TTV/MQR/OO1: Rev. 03

Risk Assessments
Particular Material Appraisals
Hydrostatic Test Procedure: J09/BFS/001 Rev. 01
Installation and Maintenance Manual: IOM/MQR/001 Rev. 03
Quality Inspection and Test Plan: Q02/MQR/001 Rev. 01

Manufacturing Drawings:	F5923/000 Rev. 03	F5930/000 Rev. 03
	F5924/000 Rev. 03	F5931/000 Rev. 03
	F5925/000 Rev. 03	F5932/000 Rev. 03
	F5926/000 Rev. 03	F5933/000 Rev. 03
	F5927/000 Rev. 03	F5934/000 Rev. 03
	F5928/000 Rev. 03	F9071/000 Rev. 02
	F5929/000 Rev. 03	F9072/000 Rev. 02

Design Calculations: PED/MQR/IV/001: Rev.02
Pressure Test Certificates

LR REPORTS

LR Design Appraisal Document	BHM 0140027/CCW, Issue 1	01/10/2001

Issue: *01*

Date of Issue: *30th May 2002*

LR Identification Number 0038

C. C. Webb on behalf of Lloyd's Register

Lloyd's Register of Shipping, registered office: 71 Fenchurch Street, London EC3M 4BS www.lr.org