

The Manor House, Howbery Park, Wallingford OX10 8BA, United Kingdom

# **EC Pressure Equipment Directive** (97/23/EC)

## **Examination Report**

This is to certify that the:

## Pressure Equipment

As described below

Name and Address of Manufacturer (or Authorised Representative)

Ningbo Hrale Plate Heat Exchanger Co., Ltd.

Fenghua Export-oriented Scientific &

Technological Park

Jinshui Road, Xiwu, Fengua

Ningbo City, Zhejiang Province, China

**Equipment Description / Model** 

Plate Type Heat Exchangers B3-52

B3-63

B3-105

Model Pressure

B3-60 45 bar B3-95

30 bar

15 bar

45 bar 30 bar 45 bar 20 bar -196°C to 200°C

**Temperature** 

Category II

Category Report Reference

HPi/2112-008-1

has been assessed and found to be in conformity with the requirements of the European Pressure Equipment Directive Annex III (Module A1). This Certificate is valid in any European Economic Area Member State.

This report has been issued by Human Performance Improvements which is a body notified to the European Commission according to the provisions of the Pressure Equipment Directive (Notified Body Number 1521).

This report is issued following the assessment of a representative example or examples of the Pressure Equipment submitted in accordance with the provisions of the above regulations. The CE Mark may be affixed to the Pressure Equipment in Category I and II once the EC ' declaration of conformity' has been made by the responsible person.

Certificate No: HPi/212-008-01

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Approval Date: 15 Feb 2011

Director

**Technical Director** 

The manufacturer of the equipment to which this report applies must inform HPi of any proposed changes that could affect any of the assessed Essential Safety Requirements. Failure to do this will invalidate the report.

EU Notified Body number 1521

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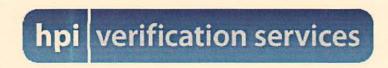
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# PRESSURE EQUIPMENT ASSESSMENT REPORT FORM

### PRESSURE EQUIPMENT DIRECTIVE - 97/23/EC

NAME AND ADDRESS OF MANUFACTURER Ningbo Hrale Plate Heat Exchanger Co., Ltd. Fenghua Export-oriented Scientific & Technological Park Jinshui Road, Xiwu, Fengua Ningbo City, Zhejiang Province, China	LOCATION OF INSPECTION At the works of Ningbo Hrale Plate Heat Exchanger Co., Ltd.	REPORT NO HPi/212-008-1
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#### DESCRIPTION

Plate Type Heat Exchangers

Models B3-52, B3-60, B3-63, B3-95 and B3-105

Maker	Ningbo Hrale Plate Heat Exchanger Co., Ltd.	Category	
Design Code	EN 14276-1	PED Module Applied	A1
Pressure	15 to 45 bar	Test Pressure	According to Des Press
Temperature	-196°C to 200°C	Test Date	

#### REPORT

#### Introduction

These plate type Heat Exchangers manufactured by Ningbo Hrale Plate Heat Exchanger Co., Ltd. fall within the scope of the Pressure equipment Directive and as such must be subject to appropriate conformity assessment procedures during design, manufacture and test if they are to be sold into the European Economic Area. These heat exchangers are up to Category II and therefore module A1 is appropriate.

#### Scope

Undertake a Module A1 assessment of the final inspection and test of the above range of heat exchangers manufactured by Ningbo Hrale Plate Heat Exchanger Co., Ltd. and issue the necessary certification.

### Contents / Results

The final inspection and test as used by Ningbo Hrale Plate Heat Exchanger Co., Ltd. during the manufacture of this range of heat exchangers was assessed and representative tests were witnessed.

All was found to be in compliance with EN 14276-1 and the Pressure Equipment Directive.

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#### Recommendations

All nonconformities having been satisfactorily resolved, Module A1 Examination Report number HPi/212-008-01 has been issued and Ningbo Hrale Plate Heat Exchanger Co., Ltd. are hereby authorised to place the HPi Notified Body number (1521) adjacent to the CE mark on the date plates of the Heat Exchangers in Category I and II covered by that certificate.

Records should be kept of the heat exchangers that have been so marked and these records will be checked as part of the regular surveillance.

This certificate is issued subject to annual surveillance being carried out as required by Annex III of the Pressure Equipment Directive and may be subject to unannounced audits.

Signature

Name

Assessment / Inspection Engineer HPi Verification

Date of Report 15 Feb 2011