

# ABS GROUP LIMITED THE PRESSURE EQUIPMENT DIRECTIVE EC TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NUMBER:

0528-2002-005-PED-T

OFFICE:

LONDON

This is to certify that ABS Group Ltd, a Notified Body appointed under the requirements of the Pressure Equipment Directive 97/23/EC and The Pressure Equipment Regulations 1999 of the United Kingdom, did undertake an EC Type Examination of the subject equipment in accordance with the requirements of the said Directive and Regulations. The equipment was found to be in compliance.

This certificate is issued to:

Circle Seals Controls, Inc.

Address:

2301 Wardlow Circle

Corona CA 92880 United States

Description of the equipment:

R5200 Series Relief Valves

Type:

Safety Relief Valves

Standard:

ASME/ANSI B31.1

Maximum allowable pressure:

5000 psi (344.74 bar)

Maximum allowable temperature:

400°F (204.44°C) (Stainless Steel)

100.4°F (38°C) (Brass)

Minimum allowable temperature:

-65°F (-54°C)

Capacity / Nominal Diameter:

R5200-2, R5200-3 & R5200-4

Category under the Regulations:

IV

Prototype Examined:

Equipment:

Relief Valve

Type:

R5200 Series PEDR5252B-2MP-1

Serial Number:

3

ABS Group Ltd. report numbers:

2002-6260-H

ESZ-105-01-P01

Attachment B - Rev 0

Page 1 of 1

This certificate is granted subject to the condition that it is understood and agreed that nothing herein contained shall be deemed to relieve any designer, manufacturer, seller, supplier, repairer or operator of any warranty, express or implied and ABS Group Ltd liability shall be limited to the acts or omissions of its employees, agents and subcontractors. Under no circumstance whatsoever shall ABS Group Ltd be liable for any injury or damage to any person or property occurring by reason of negligent operation or any defect in materials, machinery, equipment or other items other than defects ascertainable by normally accepted testing standards, and only upon those items actually inspected by ABS Group Ltd and which are covered by this certificate or report.



## **ABS GROUP LIMITED** THE PRESSURE EQUIPMENT DIRECTIVE EC TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NUMBER: 0528-2002-005-PED-T

Maximum allowable pressure:

5000 psi

Maximum allowable temperature:

400°F (Stainless Steel)

100°F (Brass)

Minimum allowable temperature:

-65°F

Capacity / Nominal Diameter:

1/4" NPT inlet / 1/4" NPT outlet

### Technical Documents Reviewed:

Refer to Attached Schedule

Name of representative: Michael Cooper

Signature: Mllagho

Date of Issue:

17 December 2002

Date of Expiry:

16 December 2012



## **ABS GROUP LIMITED** THE PRESSURE EQUIPMENT DIRECTIVE SCHEDULE TO TYPE EXAMINATION CERTIFICATE

REFERENCE NUMBER:

11112069

DATE: 16 October 2002

TSZ-105-99-P02 Check Sheet A

#### **Technical Documents Reviewed:**

Technical Documentation CheckSheet R5200 series Relief valves Summary Page

Catalogue Pages

Stress Calculations

PED rating

Operating & Installation Instructions

Hazard Analysis No. 500

R5200 Sheet 1 R5200 Sheet 2

37263 Body

37264 Body

37737 Body

37738 Body

39828 Poppet

PEDR5200

Particular Material Appraisal: ASTM B16 Particular Material Appraisal: ASTM A479 316

Rev A Rev J

Rev J

Rev A

Rev A

Rev B

Rev B 02/02/04

02/05/06

16 October 2002

16 October 2002

M. H. Cooper

For ABS Group Ltd.