



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

CERTIFICATE NUMBER: 0528-2002-006-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: HP500 Series Relief Valves

Type: Safety Relief Valves

Standard: ASME/ANSI B31.1

Maximum allowable pressure: 200 psi (13.79 bar)

Maximum allowable temperature: 350°F (176.67°C) (Stainless Steel)
100.4°F (38°C) (Brass)

Minimum allowable temperature: 32°F (0°C)

Capacity / Nominal Diameter: HP500-2 & HP500-4

Category under the Regulations: IV

Prototype Examined:

Equipment: Relief Valve

Type: PEDHP559B-4M-N

Serial Number: 1

ABS Group Ltd. report numbers: 2002-6260-H



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Maximum allowable pressure: 700 psi
Maximum allowable temperature: 100°F
Minimum allowable temperature: -20°F
Capacity / Nominal Diameter: ½" NPT male inlet

Technical Documents Reviewed:

Refer to Attached Schedule

Name of representative: Michael Cooper
Date of Issue: 17 December 2002
Date of Expiry: 16 December 2012

Signature:



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

REFERENCE NUMBER: 11112069

DATE: 17 December 2002

Technical Documents Reviewed:

Technical Documentation CheckSheet
HP500 series Relief valves Summary Page
Catalogue Pages
Stress Calculations
PED rating

TSZ-105-99-P02 Check Sheet A

Operating & Installation Instructions

Hazard Analysis No. 500

Rev A

HP500-*MP

00-04-25

HP500-2MP

00-04-25

36797 Body

7/29/91

HP500-4MP

7/29/91

26808 Body

7/29/31

HP500-*M

00/04/25

HP500-2M

00/04/25

36865

7/29/91

HP500-4M

7/29/91

26805 Body

7/29/91

HP500-*SX

00/04/25

HP500-2SX

00/04/25

26858 Body

3/25/92

HP500-4SX

2/28/92

26859 Body

3/25/92

HP500-*S

00/04/25

HP500-2S

00/04/25

HP500-4S

3/25/92

26856 Body

3/25/92

26857 Body

3/25/92

HP500-*K

4/7/92

HP500-4K

00/04/25

HP500-*KL

4/7/92

HP500-4KL

00/04/24

26861 Body

4/7/92

26862 Body

4/7/92

36796 Poppet

7/13/92

39797 Poppet

7/29/91

36820 Poppet

7/13/92

PEDHP500

02/05/06

National Board Report 16312A

12 December 2002

Particular Material Appraisal: ASTM B16

16 October 2002

Particular Material Appraisal: ASTM A479 316

16 October 2002

M. H. Cooper
For ABS Group Ltd.