

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

CERTIFICATE NUMBER: 0528-2002-007-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:

PVR and PVRB Series Pressure Regulators

Type:

Pressure Regulators

Standard:

ASME/ANSI B31.1

Maximum allowable pressure:

PVR Series: 3000 psi (206.84 bar) PVRB Series: 60 psi (4.14 bar)

Maximum allowable temperature:

125°F (51.67°C)

Minimum allowable temperature:

0°F (-17.78°C)

Capacity / Nominal Diameter:

PVR-1, PVR-2, PVR-3, PVR-4 & PVR-5 PVRB-2, PVRB-3, PVRB-4 & PVR-5

Category under the Regulations:

IV

Prototype Examined:

Equipment:

PEDPVR-1

Type:

PVR Series Pressure Regulator

Serial Number:

101502

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.



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Miloops

Maximum allowable pressure:

3000 psi

Maximum allowable temperature:

125°F

Minimum allowable temperature:

0°F

Capacity / Nominal Diameter:

1/4" Female Inlet

Technical Documents Reviewed:

Refer to Attached Schedule

Name of representative:

Michael Cooper

Signature:

Date of Issue:

4 November 2002

Date of Expiry:

3 November 2012



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

REFERENCE NUMBER:

11112069

DATE: 16 October 2002

Technical Documents Reviewed:

Technical Documentation CheckSheet PVR series Regulators Summary Page

TSZ-105-99-P02 Check Sheet A

Catalogue Pages Stress Calculations

PED rating

Operating & Installation Instructions
Hazard Analysis Ph 1 cat IV product

PVR-1, -2, -3 PVR-4, -5 PVRB-2, -3 PVRB-4, -5

PVRB-4, -5 2101-0340 Back Plug 2101-0341 Back Plug 2111-2199-1052 Body 2204-0183 Diaphragm Plate 2205-0549 Diaphragm 2211-2219-0278 Dome 2211-0336 / -0337 Dome

2307-0064 1/4" Pipe Plug 2334-0042 / 0047 Back Plug Assembly

PEDPVR

Particular Material Appraisal: ASTM B127
Particular Material Appraisal: ASTM B164
Particular Material Appraisal: ASTM B564
Particular Material Appraisal: ASTM A479 316

Particular Material Appraisal: PVC

Rev 01

Rev K Rev J

Rev K

Rev H 00-03-24 00-05-04

Rev C Rev A 5/3/88 Rev F

Rev B Rev A 00-03-24

02-05-07 16 October 2002 16 October 2002

16 October 2002 16 October 2002

16 October 2002

M. H. Cooper For ABS Group Ltd.