



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



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Maximum allowable pressure: 3000 psi
Maximum allowable temperature: 125°F
Minimum allowable temperature: 0°F
Capacity / Nominal Diameter: ¼" Female Inlet

Technical Documents Reviewed:

Refer to Attached Schedule

Name of representative: Michael Cooper
Date of Issue: 4 November 2002
Date of Expiry: 3 November 2012

Signature:



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
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

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 ¼" 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

TSZ-105-99-P02 Check Sheet A

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.