

Certificate of Conformity

Ex EQUIPMENT

Certificate No.: **ANZEx 24.4191X**

Current Issue: 0

Date of Issue: 2024-04-11

Applicant: **Compac Industries Ltd**
52 Walls Road
Penrose, Auckland 1061
New Zealand

Equipment: Laser Series Dispensers
Liquid fuel, LPG, Adblue Dispenser

Type of Explosion Protection: Flameproof Ex "d", Intrinsic Safety Ex "i", Encapsulation Ex "m"

Explosion Protection Marking: Ex db ib mb [ib Gb] IIA T3 Gb IP23 Type 1, or
Ex db ib [ib Gb] IIA T3 Gb IP23 Type 1, or
Ex db ib mb [ib Gb] IIA T3 Gb IP23 Type 3, or
Ex db ib [ib Gb] IIA T3 Gb IP23 Type 3
-20°C ≤ Ta ≤ +50°C

*This certificate is granted subject to the requirements as set out in
Joint Accreditation System of Australia and New Zealand Publications
ANZEx System Rules 2020 & ANZEx Certified Equipment Scheme Rules 2021*

Signed for and on behalf of issuing body



Name & Position

James Bes - Certification Authority

This certificate is not transferable and remains the property of the issuing body.

The status of this certificate can be confirmed through the database located at www.anzex.com.au

Certificate issued by:

Ex Testing & Certification Pty Ltd
1/30 Kennington Drive, Tomago NSW 2322 Australia

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**Additional
Manufacturing
Location(s):** N/A

STANDARDS:

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

AS/NZS 2229:2004 Fuel dispensing equipment for explosive atmospheres

This Certificate does not indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

(Certificate format based on template QMA-HAE-08-720 dated 2021-05-18)

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Schedule

Equipment Description:

The Laser Series standard dispensers are Type 1. All electrical equipment is protected using suitable Ex protection techniques. There are no vapour barriers necessary for this design. They may be used to dispense liquid fuel, Adblue and LPG.

The Laser Series 'Cardking' dispensers are similar in external construction to the standard dispenser, but due to the use of vapour barriers in the internal panel construction, these are Type 3 and hence the top cabinet placed at a height of greater than 1.2m which may contain non-Ex electrical equipment, notably the HID (Hughes Identification Devices access system) reader. Within the Cardking Type 3 dispensers, there are two versions:

- Fitted with one vapour barrier in the columns supporting the top cabinet. This version is only permitted to dispense liquid fuels, Adblue.
- Fitted with two vapour barriers in the columns supporting the top cabinet. This version is permitted to dispense liquid fuels, Adblue, and also LPG.

The range of dispensers are intended for Group IIA T3 for an ambient temperature of -20 °C to +50 °C.

Options:

- Single, dual, or quad hose models to pump/dispense liquid fuels
- Single, dual, or quad hose models to dispense LPG
- Can be used to dispense Adblue (DEF)
- Flow rates set to 40, 80, 160 or 400 lpm
- PINPad with HID reader mounted in upper compartment lid (Cardking model)
- Option for Banlaw nozzles

Electrical Ratings/Parameters

Um = 240 VAC

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

Specific Conditions of Use:

1. The dispenser shall be installed as provided in document AP412; using hoses, nozzles, and break devices as required.
2. Internal equipment shall not be installed or removed when an explosive atmosphere is present.

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Register of Issues and Variations

includes the current issue

Issue 0 dated 2024-04-11

Standards relevant for this issue:

AS/NZS 2229:2004 Fuel dispensing equipment for explosive atmospheres

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: REP24004-01 – Ex Testing and Certification
 QAR No. & Issuing CB: AU/TSA/QAR08.0008/10 – TestSafe Australia
 File Reference: ExTC Job 24004

Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Title	Document/Drawing Number	Pages / Sheets	Revision	Date
Hose Assemblies and Delivery Systems for Master/Laser Dispensers	AP345	1	D	2019-04-01
Miscellaneous Labels used on Compac Fuel Dispensers	AP348	1	D	2019-04-01
Installation & Safety Data for C5000 Power Supply	AP389	5	D	2024-03-18
C5000 BUS Cable	AP394	1	A	2019-03-26
Descriptive System Document	AP412A	12	A	2024-04-04
Laser electrical label (ANZEx)	AP418	2	A	2024-01-24
Himast Assembly with Die-Cast Clamps	ASM0017E	3	D	2023-12-15
Displays C5K Pinpad Display Assembly	ASM0056E	2 (1-2)	C	2021-11-03
Displays READER WEDGE – HID Module	ASM0056E	2 (3-4)	A	2021-11-03
Laser V3 – C5k – Frames Laser V3 Vapour Barrier Frame Assembly Dual Vapour Barrier	MAD0096A	1 (1/3)	A	2023-12-14
Laser V3 – C5k Cardking Cabinet Assembly	MAD0096A	1 (2/3)	B	2023-12-14
Laser V3 – C5k – Frames Laser V3 VB Sheetmetal LPG Carding Internal	MAD0096A	1 (3/3)	A	2023-12-14
Module Assembly Dispenser 400 LPM	MAD0104A	2	A	2019-04-04
Laser V3 – C5k – Frames (Various Laser Hydraulic Configurations)	MAD0200B	14	B	2024-02-02

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Laser V3 – C5k (Liquidfuel and LPG Hose Assemblies & General infos)	MAD0201A	2	A	2023-12-15
Laser V3 – C5K Wiring (Various titles)	MAD0202B	8 (1 to 8)	A	2024-02-19
Laser V3 – C5K Wiring (Various titles)	MAD0202B	2 (9 to 10)	B	2024-02-19
Module Assemblies Pump Sgl/Dual 40 or 80 lpm	MAD0210A	1 (1/3)	E	2023-11-27
Module Assemblies Pump 160 lpm	MAD0210A	1 (2/3)	E	2023-11-27
Module Assemblies Pump Sgl/Quad 40 or 80 lpm	MAD0210A	1 (3/3)	E	2023-11-27
Module Assemblies Dispenser (40 or 80 lpm / 160 lpm)	MAD0211A	2	A	2023-10-12
Laser V3 – LPG (Single / Dual) V50 LPG Hydraulic Module	MAD0212A	2	A	2023-12-14
Hydraulic Modules Single V50 DEF Module - Left/handed	MAD0213B	1 (1/3)	A	2024-02-05
Hydraulic Modules Duo V50 DEF Module	MAD0213B	1 (2/3)	A	2024-02-05
Hydraulic Modules Duo V50 DEF Module – Left/handed	MAD0213B	1 (3/3)	A	2024-02-05
Display Sheetmetal Cutouts Cabinet Display Cut-outs – 7-digit	MAD0214B	1 (1/2)	C	2024-02-27
Laser V3 Cabinet C5K Reader and Pinpad cutouts	MAD0214B	1 (2/2)	B	2024-02-27
Laser Side Panels	ODD0058B	1	B	-
LR3 Cabinet Doors	ODD0060A	6	A	-
Laser Side Panels – Lockable Middle Top Cover	PDM0107A	1	A	2007-04-30
Laser Frame parts Laser Middle Side Cover Secure	PDM0108C	1	B	2009-04-21
Laser Frame Parts Laser Middle Side Cover	PDM0342A	1	A	2009-04-21
Laser Doors Door	PDM0411D	1 (1/2)	C	2013-06-06
Laser Doors Custom Door Tang	PDM0411D	1 (2/2)	A	2013-06-06
Hydraulics Outlet Gasket - DEF - Nitrile	PDM1234C	1	C	2017-11-08
Laser V3 Vapour Barrier Panels Laser VB Bottom Side Panel_Blank	PDM1749A	1	A	2023-12-13
Laser V3 Vapour Barrier Panels Laser VB Top Side Panel_Blank	PDM1752B	1	A	2024-02-05
Laser V3 Vapour Barrier Panels Laser VB Top Side Panel_LPG SGL Dual	PDM1753B	1	A	2024-02-05
Laser V3 Vapour Barrier Panels	PDM1754B	1	A	2024-02-05

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Laser VB Top Side Panel_LPG Duo				
Laser V3 Vapour Barrier Panels Laser Middle Side Cover	PDM1755B	1	A	2024-02-05
Laser V3 Vapour Barrier Panels Laser VB Section Cover (Pillar VB)	PDM1756A	1	A	2023-12-13
Laser V3 Side Panels V3 SIDE PNL – BLANK	PDM1910D	1 (1/2)	A	2024-04-08
Laser V3 Side Panels Cut-out Detail	PDM1910D	1 (2/2)	C	2024-04-08
Laser V3 Side Panels LPG V3 SIDE PNL - DUO with HNGR	PDM1930B	1	B	2024-02-28
Laser V3 Cabinet – Liquid Fuel and LPG Cabinet Top Panel	PDM2020C	1	C	2023-12-13
Laser V3 Cabinet – Liquid Fuel and LPG Cabinet Side Panel	PDM2021D	1	D	2023-12-13
Laser V3 Cabinet – Liquid Fuel and LPG Cabinet Door – Generic – Blank	PDM2022C	1	B	2024-02-27
Laser V3 Cabinet – Liquid Fuel and LPG Cabinet Door – CardKing – Blank	PDM2023B	1 (1/2)	B	2024-02-27
Laser V3 Cabinet – Liquid Fuel and LPG CardKing Cabinet Door Cable Guide	PDM2023A	1 (2/2)	A	2024-02-27
Laser V3 Cabinets – Laser V3 Cabinet Base Plate	PDM2057A	1	A	2020-07-24
Laser V3 Cabinets Laser V3 Cabinet Himast Bracket	PDM2058B	1	A	2021-02-09
Laser V3 CardKing Laser Cardking Vapour Barrier	PDM2059A	1	A	2023-12-13