Australian/New Zealand
Certification Scheme for
EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT
ANZEx Scheme

Certificate of Conformity

Certificate No.: **ANZEx 10.3013X**	Issue No.: **1**	Date of Issue: **2012-07-20**
	Issue No.: **0**	Date of Issue: **2010-07-09**

Applicant:
Gilbarco Australia Pty Ltd
20 Highgate Street
AUBURN NSW 2144
Australia

Electrical Apparatus:
SK700-2 Multiproduct Fuel Pump & Dispenser
Petrol/Diesel/LPG and AdBlue

Type of Protection:
Ex e, d, m, ib, Type 3 Dispenser

Marking Code:
Gilbarco
SK700-2
ANZEx 10.3013X – AS/NZS2229
Ex e d m ib IIA T3 -20°C ≤Ta ≤ +45 °C IP23 Type 3
Serial Number …
Year of Manufacture

Manufacturer:
Gilbarco Australia Pty Ltd
20 Highgate Street
AUBURN NSW 2144
Australia

Manufacturing Location(s):
As above

*The EPEE certification database located at **http://www.anzex.com.au** shows the validity of this Certificate.*

Certificate issued by:

TestSafe Australia
919 Londonderry Road, Londonderry NSW 2753
Australia
Phone: +61 2 4724 4900 Fax: +61 2 4724 4999
http://www.testsafe.com.au

www.jas-anz.org/register

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*This certificate is granted subject to the conditions as set out in Standards Australia/Standards New Zealand Miscellaneous Publication **MP87.1:2008**.*

STANDARDS:

The electrical apparatus 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	Explosive Fuel dispensing equipment for explosive atmospheres (Incorporating Amendment No. 1)

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standard(s) listed above.*

ASSESSMENT & TEST REPORTS:

The equipment listed has successfully met the assessment and test requirements as recorded in:

Test Report No. and Issuing Body:	**33577, TestSafe**
Quality Assessment Report No. and Issuing Body:	**05.012/2011, Test Safe**
File Reference:	**2011/018154**

Ujen Singh

Signed for and on behalf of issuing body

20 July 2012

Date of Issue

Quality & Certification Manager

Position

This certificate is not transferable and remains the property of the issuing body and must be returned in the event of it being revoked or not renewed.

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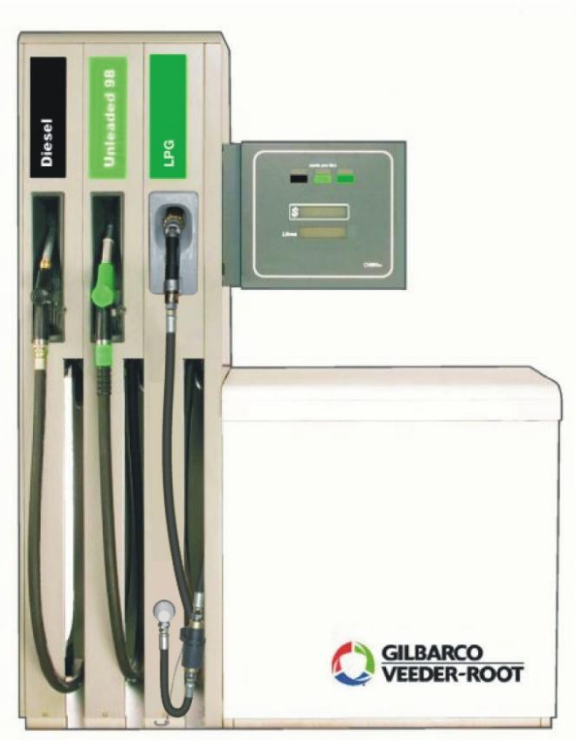
Schedule

EQUIPMENT:

The pump-dispenser comprises of a sheet metal housing with display windows where applicable. Several variations of the equipment are available, but basically the construction consists of a hydraulic chamber, an adjacent hose column, and a head unit attached to the hose column at a height of 1.2 m above the foundation level.

The variations permit the use of single to multiple product dispensation. Multi grade models may include hydraulic modules in combination of Petrol, Diesel and LPG.



The hydraulic chamber contains Ex e junction boxes, valves, motors, flowmeters, density probes and simple devices such as switches and Ex i junction boxes. It generally has a height of 800 mm, width of 600 mm, and length of between 800 to 1200 mm. It is possible to have the hydraulic chamber on one or both sides of the hose cassette.

The hose column is generally about 2000 mm in height and 600 mm width. Depending on the number of hoses, the length may vary from 200 mm to 1000 mm. It contains the nozzle holsters, hoses, optional hose retractors, and nozzle switches.

The head unit may be about 400 mm in height, 400 mm in width, and 500 mm in length, depending on the number of devices it is required to fit. It contains all the transformers, power supplies, electronic boards, keypads, lighting and intrinsically safe barriers. It has acrylic windows for the displays.

Peripheral customer operated equipment is mounted in this head unit.

The dispensers with internal pumps are designed to be used on sites with underground tanks. Dispensers without internal pumps are designed for sites with submersible pumps in underground tanks or aboveground tanks with external pump.

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CONDITIONS OF CERTIFICATION:

1) The dispenser must be installed in accordance with the Installation Instructions, Wiring Diagrams and General Arrangements as provided by the manufacturer.

2) The dispenser is classified as T3 with reference to an ambient temperature range from -20 ^{o}C to +45 ^{o}C

DOCUMENTS:

Document No.	Sheets	Document Title	Issue	Date (yyyy-mm-dd)
120 115 903A	15	Wiring Diagram SK700-2 Australia SK700-2 1/1 – 4/8 + LPG (1Ph-Motor)	A	2010-04-20
120 115 893A	14	Wiring Diagram SK700-2 Australia SK700-2 1/1 – 4/8 / 1~ Motor	A	2010-04-20
120 115 983B	10	Wiring Diagram SK700-2 Australia SK700-2 LPG	B	2010-04-23
DR10115	1	Electrical Protection Summary SK700-2	B	2010-07-01
M11105	1	IS System Descriptive Document: E101 IS Interface/Pulser Hub/Pulser	GABMxxx	2010-03-09
DN10107	1 of 34	General Arrangement & Foundations – SK700 + SK700-2	Y3	2010-05-05
DN10107	2 of 34	General Arrangement & Foundations – SK700 + SK700-2	Y2	2010-01-19
DN10107	2a of 34	General Arrangement & Foundations – SK700-2 N	Y2	2010-01-19
DN10107	2b of 34	General Arrangement & Foundations – IOD	Y2	2010-01-19
DN10107	3 of 34	General Arrangement & Zoning – SK700 + SK700-2	Y5	2010-06-30
DN10107	4 of 34	General Arrangement & Zoning – SK700 + SK700-2	Y3	2010-05-05
DN10107	4a of 34	General Arrangement & Zoning SK700-2 N	Y2	2010-01-19
DN10107	4b of 34	General Arrangement & Zoning – IOD	Y2	2010-01-19
DN10107	5a of 34	Typical Electrical Interconnections – SK700-2	Y2	2010-01-19
DN10107	5b of 34	Typical Electrical Interconnections	Y2	2010-01-19
DN10107	6 of 34	Typical General Assembly – SK700	Y3	2010-05-05
DN10107	7a of 34	Typical General Assembly – SK700-2	Y2	2010-01-19
DN10107	7b of 34	Typical General Assembly – IOD	Y2	2010-01-19

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Document No.	Sheets	Document Title	Issue	Date (yyyy-mm-dd)
DN10107	8 of 34	Safety Critical Component Tabulation SK700 + SK700-2	Y3	2010-05-05
DN10107	9 of 34	Vapour Recovery Details - SK700 + Sk700-2	Y2	2010-01-19
DN10107	10a of 34	Typical Hydraulic Schematics – Standard Flow SK700-2	Y2	2010-01-19
DN10107	10b of 34	Typical Hydraulic Schemat. – Standard Flow	Y2	2010-01-19
DN10107	11a of 34	Typical Hydraulics, 2-Speed, Nozzle Selected SK700-2	Y2	2010-01-19
DN10107	11b of 34	Typical Hydraulic Schemat. – Standard Flow	Y2	2010-01-19
DN10107	11c of 34	Typical Hydraulic Schemat. – 40 / 130 l/m	Y2	2010-01-19
DN10107	12a of 34	Typical Hydraulics for a Blended Grade SK700-2	Y2	2010-01-19
DN10107	14 of 34	General Assembly SK700 LPG + SK700-2 LPG FAS, MEURS, Combined Gas	Y2	2010-01-19
DN10107	14a of 34	General Assembly SK700 LPG + SK700-2 LPG FAS, MEURS, Combined Gas	Y2	2010-01-19
DN10107	14b of 34	General Assembly SK700-2 / IOD LPG FAS, MEURS, Combined Gas	Y2	2010-01-19
DN10107	14c of 34	General Assembly SK700 LPG + SK700-2 LPG Batchen, Silea, Combined Gas	Y3	2010-05-05
DN10107	15 of 34	General Assembly SK700 LPG + SK700-2 LPG FAS, MEURS, Combined Gas	Y2	2010-01-19
DN10107	16 of 34	General Assembly SK700 LPG + SK700-2 LPG FAS, MEURS, Combined Gas	Y2	2010-01-19
DN10107	17 of 34	General Assembly SK700 LPG + SK700-2 LPG FAS, MEURS, Combined Gas	Y2	2010-01-19
DT00102-863	9	Chart – Nameplate Stamping – Pumps/Dispensers	M	2010-07-07
DT00102-864	7	Chart – Nameplate Stamping – LPG	H	2010-07-07

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Schedule of Variations

Variations Permitted by Issue 1:

- The single-phase motor located in the hydraulic chamber of the pump dispenser may now be optionally replaced by a three-phase motor SIDA YBB1511EJ1 (IECEx CQM 11.0005)
- In addition to the previous electrical items in the hydraulic chamber, separately certified electrical items meant for dispensing of AdBlue have now been added (AdBlue is a water based urea solution stored in a separate tank on the vehicle. It is precisely metered into the hot exhaust manifold where the urea solution breaks-down into Ammonia and reacts with exhaust gasses in the presence of a catalytic converter. The oxides of nitrogen formed at combustion are converted into harmless elementary nitrogen and water).
- Removal of fuses used in the coil circuits of the valves for LPG Dispensers
- Changes in the Installation Instructions, Wiring Diagrams and General Arrangements as provided by the manufacturer.

Condition of Certification Relating to Issue 1:

The conditions provided in the earlier issue 0 are still valid.

Drawings Relating to Issue 1:

Document No.	Sheets	Document Title	Issue	Date (yyyy-mm-dd)
DN10370	1 of 2	General Arrangement & Foundations SK700 AdBlue	-	2012-05-23
DN10370	2 of 2	General Assembly SK700-2 AdBlue	-	2012-05-23
DR10115	1	Electrical Protection Summary SK700-2	E	2012-07-10
M07868	1	Schematic - Parallel Output Board (AC)	M554	2010-10-27
M07869	2	PCB Drilling & Cutting E101 Parallel Output Board (AC)	M554	2010-10-27
M07870	1	PCB Assembly: E101 Parallel Output Board (AC)	M554	2010-10-27
120 115 893D	1 of 15	Wiring Diagram SK700-2 Australia SK700-2 1/1 – 4/8 / 1~ Motor	D	2012-05-31
120 115 893D	2 of 15	Wiring Diagram SK700-2 Australia SK700-2 1/1 – 4/8 / 3Ph.-Motor	D	2012-05-31
120 115 893D	3 of 15	Wiring Diagram SK700-2 Australia SK700-2 1/1 – 4/8 / STP	D	2012-05-31

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Document No.	Sheets	Document Title	Issue	Date (yyyy-mm-dd)
120 115 893D	4 of 15	Wiring Diagram SK700-2 Australia	D	2012-05-31
120 115 893D	5 of 15	Wiring Diagram SK700-2 Australia	D	2012-05-31
120 115 893D	6 of 15	Wiring Diagram SK700-2 Australia Control LED, Power Supply Vapour Recovery	D	2012-05-31
120 115 893D	7 of 15	Wiring Diagram SK700-2 Australia TWL Interface	D	2012-05-31
120 115 893D	8 of 15	Wiring Diagram SK700 Junction Box Wiring	D	2012-05-31
120 115 893D	9 of 15	Wiring Diagram SK700-2 Australia STP Junction Box Wiring	D	2012-05-31
120 115 893D	10 of 15	Wiring Diagram SK700-2 Australia Preset Keypad	D	2012-05-31
120 115 893D	11 of 15	Wiring Diagram SK700-2 Australia Totalizer Connection	D	2012-05-31
120 115 893D	12 of 15	Wiring Diagram SK700-2 Australia 1 Ph VR-Motor – STP-Connector Board	D	2012-05-31
120 115 893D	13 of 15	Wiring Diagram SK700-2 Australia hazardous area connections	D	2012-05-31
120 115 893D	14 of 15	Wiring Diagram SK700-2 Australia hazardous area connections	D	2012-05-31
120 115 893D	15 of 15	Wiring Diagram SK700-2 Australia	D	2012-05-31
120 115 903C	1 of 14	Wiring Diagram SK700-2 Australia SK700-2 1/1 – 4/8 + LPG (1Ph-Motor)	C	2012-06-19
120 115 903C	2 of 14	Wiring Diagram SK700-2 Australia SK700-2 1/1 – 4/8 + LPG (STP Version)	C	2012-06-19
120 115 903C	3 of 14	Wiring Diagram SK700-2 Australia	C	2012-06-19
120 115 903C	4 of 14	Wiring Diagram SK700-2 Australia SK700-2 Vapour Recovery	C	2012-06-19
120 115 903C	5 of 14	Wiring Diagram SK700-2 Australia SK700-2 Vapour Recovery	C	2012-06-19
120 115 903C	6 of 14	Wiring Diagram SK700-2 Australia Control LED, Power Supply Vapour Recovery	C	2012-06-19
120 115 903C	7 of 14	Wiring Diagram SK700-2 Australia TWL Interface	C	2012-06-19

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Document No.	Sheets	Document Title	Issue	Date (yyyy-mm-dd)
120 115 903C	8 of 14	Wiring Diagram SK700-2 Australia Junction box	C	2012-06-19
120 115 903C	9 of 14	Wiring Diagram SK700-2 Australia Preset Keypad	C	2012-06-19
120 115 903C	10 of 14	Wiring Diagram SK700-2 Australia Totalizer Connection	C	2012-06-19
120 115 903C	11 of 14	Wiring Diagram SK700-2 Australia 1 Ph VR-Motor – STP-Connector Board	C	2012-06-19
120 115 903C	12 of 14	Wiring Diagram SK700-2 Australia Hazardous area connections	C	2012-06-19
120 115 903C	13 of 14	Wiring Diagram SK700-2 Australia Hazardous area connections	C	2012-06-19
120 115 903C	14 of 14	Wiring Diagram SK700-2 Australia	C	2012-06-19
120 115 983D	1 of 9	Wiring Diagram SK700-2 Australia SK700-2 LPG	D	2012-06-18
120 115 983D	2 of 9	Wiring Diagram SK700-2 Australia	D	2012-06-18
120 115 983D	3 of 9	Wiring Diagram SK700-2 Australia TWL Interface	D	2012-06-18
120 115 983D	4 of 9	Wiring Diagram SK700-2 Australia Junction box	D	2012-06-18
120 115 983D	5 of 9	Wiring Diagram SK700-2 Australia Preset Keypad	D	2012-06-18
120 115 983D	6 of 9	Wiring Diagram SK700-2 Australia Totalizer Connection	D	2012-06-18
120 115 983D	7 of 9	Wiring Diagram SK700-2 Australia Hazardous area connections	D	2012-06-18
120 115 983D	8 of 9	Wiring Diagram SK700-2 Australia Hazardous area connections	D	2012-06-18
120 115 983D	9 of 9	Wiring Diagram SK700-2 Australia	D	2012-06-18
120 118 323B	1 of 7	Wiring Diagram SK700-2 Australia SK700-2 Adblue STP ATEX Version	B	2012-05-29
120 118 323B	2 of 7	Wiring Diagram SK700-2 Australia TWL Interface	B	2012-05-29
120 118 323B	3 of 7	Wiring Diagram SK700-2 Australia STP Junction Box	B	2012-05-29

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Document No.	Sheets	Document Title	Issue	Date (yyyy-mm-dd)
120 118 323B	4 of 7	Wiring Diagram SK700-2 Australia Preset Keypad	B	2012-05-29
120 118 323B	5 of 7	Wiring Diagram SK700-2 Australia Totalizer	B	2012-05-29
120 118 323B	6 of 7	Wiring Diagram SK700-2 Australia STP Connector / CPU Board	B	2012-05-29
120 118 323B	7 of 7	Wiring Diagram SK700-2 Australia IS-HUB / IS-Interface / Prop.-Valve Board	B	2012-05-29
120 118 333B	1 of 5	Wiring Diagram SK700-2 Australia SK700-2 AdBlue Combi Pump, ATEX Version	B	2012-05-30
120 118 333B	2 of 5	Wiring Diagram SK700-2 Australia SK700-2 AdBlue Combi Pump, ATEX Version	B	2012-05-30
120 118 333B	3 of 5	Wiring Diagram SK700-2 Australia IS-HUB / IS – Interface / Prop.-Valve Board	B	2012-05-30
120 118 333B	4 of 5	Wiring Diagram SK700-2 Hazardous area connections	B	2012-05-30
120 118 333B	5 of 5	Wiring Diagram SK700-2 Hazardous area connections	B	2012-05-30