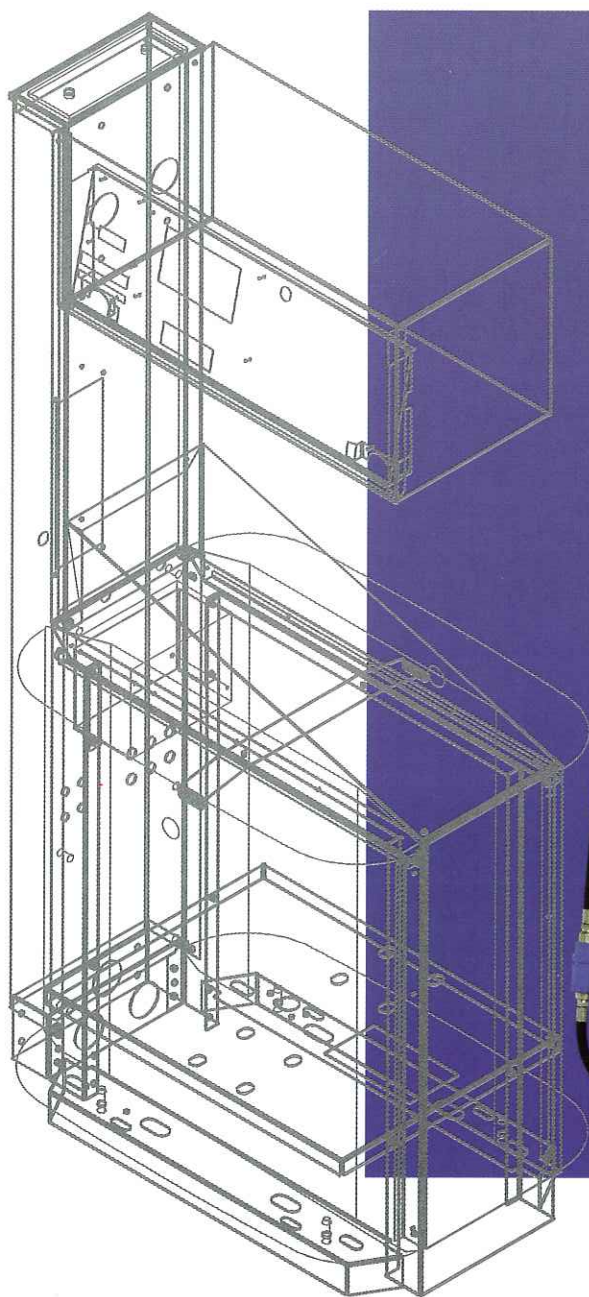




COMMANDER II AUTOMOTIVE LP GAS DISPENSER



***A tradition of excellence
and innovation . . .***

BATCHEN

COMMANDER II

Traditional Quality meeting today's dispensing needs.

Australia is a world leader in automotive LPG technology and D.J. Batchen has been the pre-eminent Australian manufacturer of LPG dispensers for more than 15 years - having supplied more than half of all dispensers installed in Australia today.

During this period the Batchen Commander series of dispensers has set the standard by which other dispensers are judged. D.J. Batchen has maintained this pre-eminent position because they specialise in the design and manufacture of LP Gas equipment, and manufacture all key hydraulic components of dispensers (many of which are supplied to other major OEM users around the world).

The Commander II continues this tradition and establishes new standards for style, durability and flexibility - its innovative design means that it will maintain its appearance and performance for years to come.

With its clean, modern lines and sophisticated electronic & hydraulic design the Commander II is as modern and reliable as the fuel you sell.

The Batchen dispenser tradition:

- Superlative safety
- Robust construction
- Clean, modern styling
- Simple, convenient operation
- Long-term accuracy and reliability
- Optional communication protocols

Frame Styling Options:

Two standard styles are available:

- Cantilevered style
- Rectangular style

The modular design approach facilitates customisation - specialised designs (to match specific corporate imaging requirements) available on request

Communications Options:

- Email, Gilbarco, or PEC/Compac protocols available as standard (multiple options in each dispenser model)
- Other protocols available on request

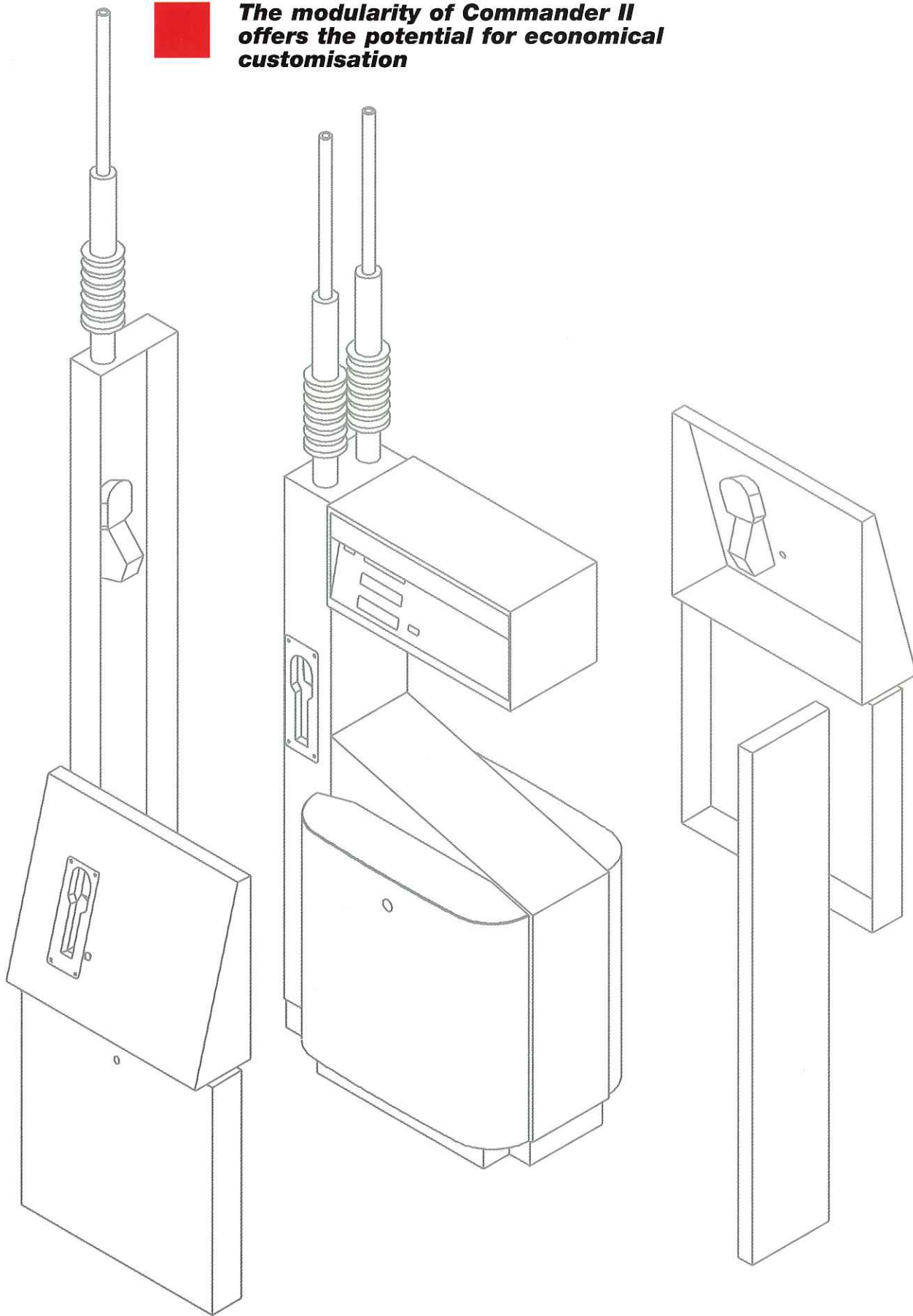
Other Options:

- In-dispenser magnetic card reader
- Pre-set value to be dispensed
- Automatic density sensing





***The modularity of Commander II
offers the potential for economical
customisation***



***A tradition of excellence
and innovation . . .***

SPECIFICATIONS

General:

Commander II consists of separate hydraulic and electronic modules, mounted in a substantial steel frame. Ease of access to both modules is assured by removable panels secured by keyed locks.

Hoses are suspended from flexible high hosemasts.

Both single and dual versions are available.

Standards Compliance:

Commander II is approved by all relevant authorities in Australia, including The National Standards Commission and Standards Australia.

Design complies with AS2229.2 (Liquefied Petroleum Gas Dispensing Equipment), AS1596, AS3000 and other applicable Australia Standards. Typically these are equivalent to similar European, North American and other international standards.

Specific information can be provided on request.

Frame & Panels:

- 3mm zinc plated mild steel, or 2mm stainless steel structural frame
- External surfaces stainless steel, powder coated stainless steel or fibreglass
- Internal metal surfaces plated and (in some cases) powder coated

Hydraulics:

Basic hydraulic module is mounted on a separate sub-frame, facilitating removal for service or upgrade. Both single and dual hose versions are available.

Hydraulic system is comprised of:

- Batchen dual piston, double acting meters (glandless meters available as an option).
- Batchen vapour eliminator/filter assembly:
 - Type Constant bleed
 - Volume 1,233 ml
 - Filter mesh 50 micron
 - Filter area 200 cm², 41% open
- Batchen differential valves.
 - Standard operating pressure 2 bar (others available)
- Batchen Sentry 20 hose break-away couplings.
- LGE Gasguard "Pressure Seal" technology hose nozzles:
 - 1 3/4" Acme car filler connection (others available)
 - 1/2" or 3/4" NPT inlet swivel
- Automatic vapour detection/density monitoring is available as an option (in this case the differential valve is not required).

Performance:

- Recommended minimum flow rate 10.0 litres/minute
- Recommended maximum flow rate 60.0 litres/minute
- Maximum operating pressure 23.8 bar
- Liquid temperature range - 40°C to + 45°C
- Accuracy +/- 0.4%

Connections:

- Liquid inlet flange 32mm x Class 300 ANSI
(others available on request)
- Vapour return flange 20mm x Class 300 ANSI
(others available on request)

Electrical Equipment:

All electrical equipment is Explosion Proof protected by one or more of the following techniques:

ZONE I & II

- Intrinsically safe (Ex ia or ib, AS 2380.7)
- Flameproof enclosure (Ex d, AS 2380.2)
- Increased Safety (Ex e, AS 2380.6 - Cable terminations only)

ZONE II only

- Non-sparking (Ex n, AS 2380.9)
- Encapsulated (Ex m, AS 2431)

Various electronic options are available; this results in some variance in detailed specifications. The following are typical:

Functional Specification:

- Micro-processor controlled operation and volume/price computation.
- Non-volatile or battery maintained memory (minimum 20 days).
- Dual channel pulsers with self error checking.
- Automatic temperature compensation.
- Large back-lit Liquid Crystal displays (lane oriented).
- Optional electronic vapour detection/density monitoring.
- Optional preset value to be dispensed.
- Optional magnetic card reader.

Performance Specification:

- Total volume display range 0 - 999.99 units
- Total value display range 0 - 99999 units (variable decimal point)
- Price per unit display range 0.99999 units (variable decimal point)
- Cumulative volume range Up to 9999999 units (dependent on model)
- Cumulative value range Up to 9999999 units (dependent on model)
- Maximum metering resolution 2 millilitres or equivalent (@ 100 litres/minute)
- 1 millilitre or equivalent (@ 50 litres/minute)
- Calculation accuracy Rounded to the nearest sub-unit of currency
- Data retention Minimum 20 days

Electrical & Environmental Specification:

- Mains supply (specify at time of order) 110 - 240 Volt, 50/60 Hz
- Operating temperature range -10° to +45°C ambient
- Humidity range 0 - 90% (non-condensing)

KEY FEATURES

- Styling consistent with modern petrol pumps to facilitate matching to existing forecourt hardware.
- Modular design approach facilitates customisation to match specific corporate imaging requirements.
- Available in both single and dual hose versions - single versions with end-of-column mounted hoses (easily accessible from either side of dispenser), dual hose versions with lane oriented hoses.
- Hoses kept clear of dress panels (not Rectangular style) for uninterrupted visibility of corporate/product signage.
- Nozzles recessed inside the line of the dress panels (not Rectangular style) to minimise the risk of nozzles being knocked out of their boots.
- Compact size to optimise site utilisation.
- Two or more communication options available in each dispenser (Email, Gilbarco & PEC/Compac).
- Use of high durability materials (plated & stainless steel, high tech plastics, powder coating) makes corrosion a thing of the past.
- Robust frame construction to maximise protection of hydraulics.
- Advanced hydraulic design provides optimal accuracy, consistent reliability, extended durability and superlative safety:
 - LGE Gasguard "Pressure Seal" technology nozzles (1 3/4" Acme connection - others available on request)
- Modern electronics incorporating:
 - the latest microprocessor technology
 - modern Liquid Crystal displays for optimal reliability and flexibility
 - easy keypad access for reprogramming of dispenser
 - automatic temperature compensation
 - multi-point programming of density from keypad (or option of automatic density sensing)
 - optional pre-set value to be dispensed
 - extended data retention in the event of a power failure
 - comprehensive diagnostics to assist trouble shooting
- Modular design of hydraulics and electronics, with easy access from both sides, to facilitate service.
- Maximum commonality of hydraulic and electronic components across models to minimise spares holding requirements.

