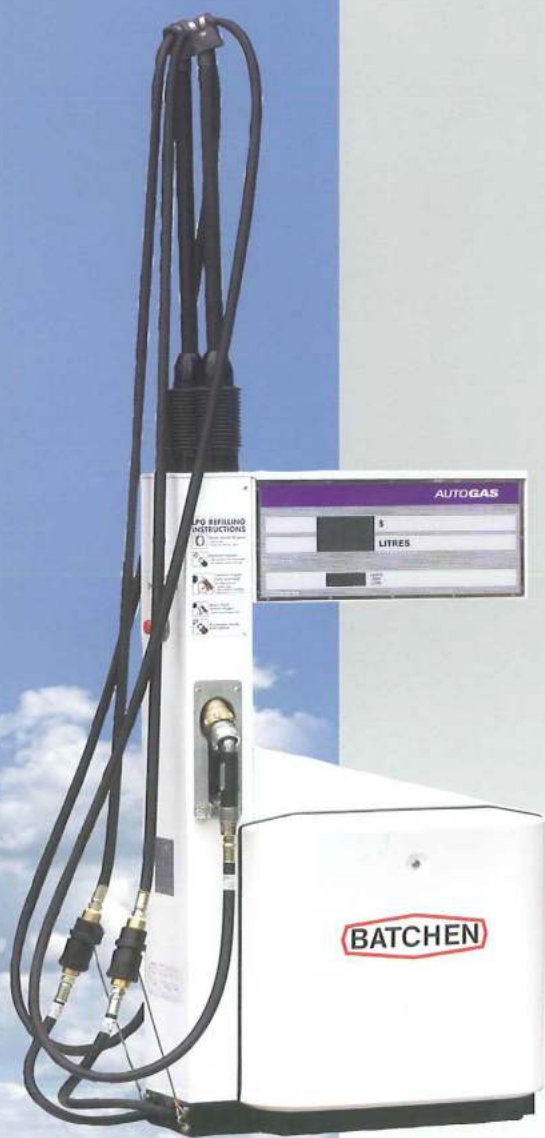


A tradition
of excellence
and innovation...

BATCHEN

COMMANDER II Automotive LP Gas Driveway Flowmeter



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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 driveway flowmeters for more than 20 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:

Five alternative styles are available:

- Cantilevered style
- Rectangular style
- Twin column style
- Quad hose style
- Hi Line 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 and/or volume to be dispensed



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.

Single, dual and quad hose 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 (Liquified 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. Single, dual and quad 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 size: 25 micron
 - Filter area: 200 cm²
- 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
- Temperature compensation range: -30°C to +45°C
- Accuracy: +/- 0.4%

Connections:

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

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)
- Encapsulated (Ex m, AS 2431)
- Increased Safety (Ex e, AS 2380.6 - Cable terminations only)

ZONE II only:

- Non-sparking (Ex n, AS 2380.9)

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.
- Optional electronic vapour detection/density monitoring.
- Optional preset value and/or volume 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 - 9999 units (variable decimal point)
- Cumulative volume range: Up to 9999999999 units (dependent on model)
- Cumulative value range: Up to 9999999999 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: -30° to + 45°C ambient
- Humidity range: 0 - 90% (non-condensing)