

The GasGuard 'GG1' nozzle range with 1¼" ACME thread connection are suitable for the filling of commercial and passenger Autogas vehicles as well as mobile and small stationary storage tanks with LPGas (Propane, Butane). There are three different nozzles in the UL listed range, the **GG1E**, the **GG1EH** and the **GG1DN**, which cater for differing customer needs. The characteristics and advantages of each of the three nozzle types are explained below. These types supersede the GasGuard 'LG1' nozzle range.

With a lightweight & well balanced construction, the nozzles are designed to give the user a more ergonomic and safer way to refuel their Autogas vehicle or storage tank. The GG1 design has also been enhanced with significant improvements in operational performance and reduced maintenance requirements and like all GasGuard nozzles, they are fully repairable.

Standard Specifications for GG1 Nozzle Range:

Connector thread coupling:	1¼" ACME according to AS/NZS 1596, AS/NZS 1425, EN 12806
Swivel inlet thread:	15 mm (½") or 20 mm (¾") NPT female
Weight incl. swivel:	Approx. 1.8 kg (4 lbs)
Max. operating pressure:	2500 KPa or 25 bar (362 psi)
Operating temperature:	-40 °C to +110 °C
Nozzle reach:	125 mm

Standard Features for GG1 Nozzle Range:

- **Safety:** Cannot discharge LPGas to the atmosphere when not coupled and lever is actuated.
- **Safe connection:** Nozzle will safely seal even if fill point gasket is missing.
- **Swivel:** Option of 15 mm (½") or 20 mm (¾") NPT female thread.
- **Robust:** High strength aluminium alloy connector casting with a stainless steel ACME thread insert provides long service without distortion.
- **New Guided Connector Nut** with its extended thread assists with alignment and connection to fill point.
- **300 µm / 50 mesh strainer** fitted as standard to effectively contain contaminants or foreign particles from upstream sources before they enter the LPGas vehicle or storage tank.

Optional Features for GG1 Nozzle Range:

- **Magnet:** Incorporated in the front guard of the nozzle body.
Used for dispensers with reed switch technology. Additional part number: ... **J**
- **Latch:** A hold-open latch can be fitted to assist the customer in holding the lever during the refueling process (not UL listed). Additional part number: ... **L**
- **Splashguard:** Protects the customer's hands against any gas release after nozzle valve has shut down.
Additional part number: ... **G**
- **Special Connector:** Hard anodised alloy connector with ACME thread insert of brass.
Additional part number: ... **B**

Available Types: (details see overleaf)



Type GG1E



Type GG1EH



Type GG1DN

GG1E Nozzle Characteristics

The nozzle is used for industrial refueling / attended refueling of commercial and passenger vehicles with LPGas. It uses a single nose piece*) making this type the most economic choice of the GG1 nozzle range.

- Flowrate of 63 l/min at 12 bar system pressure
- Release volume on valve closure of 1.9 cm³
- UL listed according to UL 125



GG1EH Nozzle Characteristics:

The nozzle is used for industrial refueling / attended refueling of commercial and passenger vehicles with LPGas. It incorporates the new Hybrid Nose Piece*) to reduce the necessary force to pull the lever.

- Flowrate of 60 l/min at 12 bar system pressure
- Release volume on valve closure of 1.7 cm³
- Lower lever hold open force than the GG1E
- UL listed according to UL 125



GG1DN Nozzle Characteristics:

The nozzle is used for refueling of commercial and passenger vehicles with LPGas. It is suited for use by the general public and untrained personell (self service) as it incorporates the patented Dual Nose Piece*) which significantly reduces the amount of user error when operating the nozzle and reduces the hold open lever force for the user. The Dual Nose creates a positive seal to the customer's vehicle even if they have not tightly screwed the nozzle to the fill point. This technology has enabled the GG1DN nozzle to be a market leader in forecourt LPGas refueling.

- Flowrate of 60 l/min at 12 bar system pressure
- Release volume on valve closure of 1.7 cm³
- Dual Nose Piece for added customer safety
- Lower lever hold open force than the GG1E
- UL listed according to UL 125



*) Explanation of nose piece types see GasGuard Information 6.15