

GPV 14 Liquefied Petroleum Gas (LPG)





Self-service filling for vehicles powered by LPG

- Private vehicles
- Commercial vehicles
- Lift trucks...

- **Compatible with the standardised EN 13760 connector that is present on the vehicle.**

- **Designed for incorporation in accordance with ATEX 94/9/CE** Directive on Explosive Atmospheres.

- **UL certification** according to the UL 125 standard.



US Patent 7 040 358
and others countries



Easy to use

Just as simple to handle as a "petrol pump" nozzle:

- position the nozzle at the connector
- operate the trigger

Safe and convenient

The flat-surface, anti-pollution design permits spill-free connection and disconnection: no risk of burning due to release of gas.

Trouble-free handling

- The valve design allows effortless connection.
- The 360 degree swivel connection between nozzle and hose reduces the stresses due to the hose rigidity.

Lightweight

The nozzle weighs only 1.5 kg.

Totally safe operation

The inline connection principle rules out any handling errors:

- no gas can escape and no gas flow is possible unless the refuelling nozzle is engaged in the connecting piece.
- incomplete locking is impossible.
- the nozzle is unlocked automatically when the trigger is released.

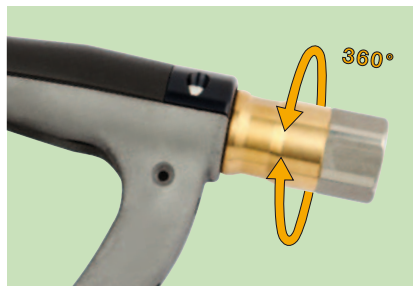
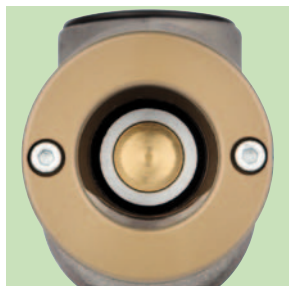
Built-in safety

Fully automatic operation:

- audible click when the nozzle engages with the connecting piece
- the circuit is closed and opened automatically when the trigger is activated.

Nozzle customisation possible

thanks to the space left free for your own logo.



A product demonstration video is available on our Web site www.staubli.com



Reliable

- No radial forces acting on the seals when the circuit is opened or closed during handling.
- No dynamic seals in the fluid stream.
- Autoclave front seal: the sealing force increases with pressure.

Low maintenance

Maintenance operations are limited to the front seal and the spring, which can be replaced directly on site without dismounting the nozzle.

Lubrication recommended every 3 months.

See the instruction sheet supplied with the product.

Technical specifications

• Maximum operating pressure	25 bar
• Maximum operating temperature	+ 65 °C
• Minimum flow of LPG at 20 °C with a loss of 0.7 bar	125 l/min
• Maximum leakage volume	0.4 cm ³
• Electrical resistance	less than 10 Ohm
• Resistance to saline spray	greater than 144 h
• Mechanical strength	more than 100,000 cycles
• Weight	1.5 kg

Construction

- Aluminium casing.
- Insulated polyamide handling surfaces.

Materials compatible with LPG.

Associated product



For even greater safety, use the GPV 14 refuelling nozzle in combination with the break-away system.

This system permits immediate disconnection and automatic circuit shut-off if the hose is accidentally pulled on or pulled out of the connecting piece. You can find out more about it in our documentation RQ002.

Part-numbers

		Thread F	Part-numbers
		NPT 3/4 female	N 001 866 09
		NPT 3/4 female 	N 003 311 14

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○ Connectors distributors

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