

## 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.

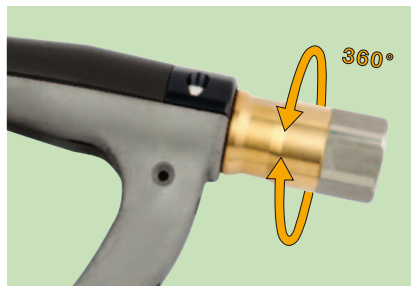
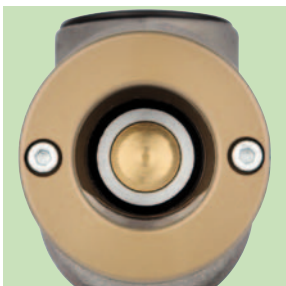
## Built-in safety

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](http://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 dismantling 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<sup>3</sup>
- 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	<b>N 001 866 09</b>
	NPT 3/4 female 	<b>N 003 311 14</b>

For contact details: [www.staubli.com/connectors/contacts](http://www.staubli.com/connectors/contacts)



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