

GPV 14 Liquid Petroleum Gas (LPG)





Refuelling of the vehicles with LPG

- private vehicles
- light vehicles
- lifting trucks
- delivery vehicles

Complies to EN 13 760

except for §4.6 relating to requirements for lever operation

European standard for the refuelling of the vehicles with LPG

Complies to PED 97/23/EC

Pressure Equipment Directive

Incorporation according to ATEX 94/9/EC

Explosive Environment Directive

Simple to use

As easy to handle as a "gasoline" nozzle:

- place the nozzle on the filling unit
- pull on the lever

Safety and comfort

Flush face non-spill design for connection and disconnection without leakage: no risk of burn due to gas venting

Easy to handle

- The design of the valve allows a connection without efforts
- The 360° swivel hose connection between nozzle and hose reduces the stresses due to the hose rigidity

Light

The nozzle only weighs 1,5 kg

Total safety of operation

The sequential principle of connection prohibits any error of handling:

- no venting of gas if the nozzle is not connected on the filling unit
- no possible gas flow as long as the nozzle is not correctly connected
- no possibility of partial locking
- automatic unlocking when the lever is released

Integrated safety

Fully automatic operation:

- audible clic at the connection of the nozzle onto the filling unit
- automatic locking and opening of the circuit when pulling on the lever





© Fotolia

Reliability

- No radial effort on the seals during handling at the opening or closing of the circuit
- No dynamic seal in the fluid flow
- The front seal is a hermetically-sealed lip seal: the more the pressure increases, the more the seal is tight

Reduced maintenance

No maintenance except for the front seal and the spring which can be changed on site and without dismantling of the nozzle.

Lubrication recommended every 3 months.

See the instruction data sheet **R V 103 01 00** delivered with the product

Patented
US Patent 7 040 358
and other countries

Technical characteristics

- Max. working pressure: 25 bar
- Min. / max. working temperatures: - 20 °C to + 65 °C
- LPG min. flow at 20 °C with a pressure drop of 0.70 bar: 125 l/mn
- Max. venting volume: 0.4 cm³
- Electrical resistance: lower than 10 Ohm
- Resistance to salt spray: higher than 144 h
- Mechanical resistance: more than 100 000 cycles
- Weight: 1.5 kg

Construction

Material compatible with the LPG fuel

Accessories



In-line Break-Away to protect the LPG refuelling installations and the vehicles

No more prolonged stop of the refuelling stations due to the accidental breakaway of the hose!

	Thread F	PART-NUMBERS
	<p>NPT 3/4 female thread</p>	<p>N 001 866 09</p>

We reserve the right to modify all product specifications without prior notice.

Brazil

Tel.: +55 (0) 11 5182 7600
connectors.br@staubli.com

North America

(USA, Canada, Mexico)
Tel.: +1 864/433-1980
connectors.usa@staubli.com

Belgium

Tel.: +32 (0) 56 36 40 03
connectors.be@staubli.com

**Czech Republic,
Slovakia, Hungary**

Tel.: +420 466 616 125
connectors.cz@staubli.com

France

Tel.: +33 (0)1 69 93 25 00
srf@staubli.com

Germany, Austria

Tel.: +49 (0) 921/883-80
connectors.de@staubli.com

Italy

Tel.: +39 (0) 362/944.1
connectors.it@staubli.com

Poland

Tel.: +48 42 636 85 04
connectors.pl@staubli.com

Portugal

Tel.: +351 22 978 39 56/50
connectors.pt@staubli.com

Russia

Tel.: + 7 812 3344630
connectors.ru@staubli.com

Spain

Tel.: +34 937 205 405
connectors.es@staubli.com

Switzerland

Tel.: +41 (0) 43/244 22 33
connectors.ch@staubli.com

United Kingdom

Tel.: +44 (0) 1952 671 918
connectors.uk@staubli.com

China

Tel.: +86 571 86912161
connectors.cn@staubli.com

Hong Kong

Tel.: +852-2366 0660
connectors.hk@staubli.com

Japan

Tel.: +81 6 6889 3308
connectors.stkk@staubli.com

Singapore

Tel.: +65 / 6266 0900
connectors.sg@staubli.com

Taiwan

Tel.: +886-2-2568 2744
connectors.tw@staubli.com

Turkey

Tel.: +90 212/472 13 00
connectors.tr@staubli.com

www.staubli.com



■ Staubli units
○ Connectors distributors

International sales coordination

Stäubli Faverges - BP 70 - F - 74210 Faverges
Tel.: +33 (0) 4 50 65 67 97 - Fax: +33 (0) 4 50 65 60 69
e mail: connectors.sales@staubli.com

Stäubli is a trademark of Stäubli International AG, registered in Switzerland and other countries.

© Stäubli, 29/04/2009

Z 970.00 e A