

## GMV 09 - Type 1 Natural Gas for Vehicles (NGV)





## Self-service, high-flow filling for vehicles powered by natural gas

- Light vehicles
- Also: urban buses, school buses...

- Refuelling nozzle compatible with the standardised receptacles according to NGV 1, ISO 14469-1 and ISO 14469-3 that are fitted on the vehicles.

(For vehicles equipped with a connector as per ISO 14469-2, we recommend the refuelling nozzle GMV 12 – documentation RQ0070300.)

- Compliant with the European Pressure Equipment Directive 97/23/EC
- Designed for incorporation in accordance with the ATEX Directive on Explosive Atmospheres 94/9/EC

## Trouble-free handling

- Compact, ergonomic refuelling nozzle.
- Jolt-free opening of the filling line and effortless connection.

## 2 versions available with colour indication of the working pressure <sup>1</sup>

- Refuelling nozzle **blue** control lever for profile P 30 - B 200  
Nominal pressure **200 bar**
- Refuelling nozzle **yellow** control lever for profile P 36 - B 250  
Nominal pressure **250 bar**

## High-flow design

Refuelling nozzle designed for the fast filling of high-volume tanks.

## Easy to use <sup>2</sup>

Simply position the refuelling nozzle at the vehicle's receptacle and turn the control lever a ½ turn to lock it in place and open the fuel line.

## Storage holder <sup>3</sup>

To ensure smooth, trouble-free operation, the refuelling nozzle can be stored away from the effects of weather and other pollutants in a specially designed holder.

(See the instruction sheet supplied with the product.)

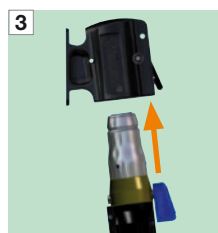
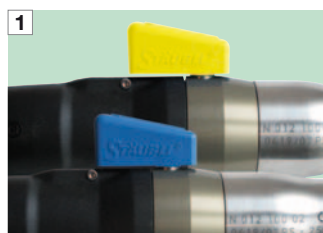
## Lightweight

The refuelling nozzle weighs only 1.7 kg.

## Totally safe operation

- Mechanical safety lock: no gas can flow if the refuelling nozzle is not engaged in the receptacle.
- It is not possible to disconnect the refuelling nozzle if pressure is greater than 1 bar.
- Built-in 3-way valve with automatic vent function: pressure vented automatically through the venting line for safe disconnection.
- Venting possible to a recovery tank: in this case, no gas escapes into the atmosphere.

## Shock-resistant control lever <sup>4</sup>

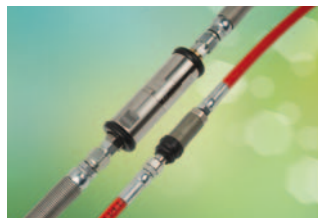


The opportunity to spend less and contribute to a sustainable development programme

With Stäubli, you can rely on the performance of your equipment, reliability of long-term investments, no workplace pollution.



## Associated products



For even greater safety, use the GMV 09 Type 1 refuelling nozzle in combination with break-away systems 02 and 08.

These systems allow immediate disconnection and automatic circuit shut-off if the hose is

accidentally pulled on or pulled out of the receptacle.

You can find out more about them in the dedicated documentation.



You can also discover our **complete solutions** for natural gas in the dedicated documentation.

## Technical specifications

- Nominal pressures:
  - Blue lever ..... 200 bar
  - Yellow lever ..... 250 bar
- Max. working pressure ..... 260 bar
- Operating temperatures ..... - 40 °C to + 85 °C
- Flow rate:
  - Cv ..... 3.27

### Construction

- Aluminium and stainless steel body
- Insulated polyamide handling surfaces
- Polyurethane control levers

Materials compatible with natural gas.

## Part-numbers

	Thread		Part-numbers	
	Filling	Venting	Blue handle	Yellow handle
	UN 9/16 – 18 JIC 37°	UN 7/16 – 20 JIC 37°	<b>N 012 100 02</b>	<b>N 012 101 02</b>
	UN 3/4 - 16 JIC 37°	UN 7/16 -20 JIC 37°	<b>N 012 102 02</b>	<b>N 012 103 02</b>
			<b>N 007 446 00</b>	

Please contact us for further options.

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