

## GMV 12 - Type 1 Natural Gas for Vehicles (NGV)

Heavy duty vehicles





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

- Urban buses, school buses
- Lorries

- Refuelling nozzle compatible with the standardised ISO 14469-2 receptacle that is fitted on the vehicle.

(For vehicles equipped with a connector as per the standards NGV 1, ISO 14469-1 and ISO 14469-3, we recommend the refuelling nozzle GMV 09 – documentation RQ0060300.)

- 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

## Robust locking system

The segment-type locking system ensures a stable connection and excellent mechanical strength. It also prevents damages on the receptacle.

## Lightweight

The refuelling nozzle weighs only 2 kg.

## Easy to use <sup>1</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.

## 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.

## Storage holder <sup>2</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.)

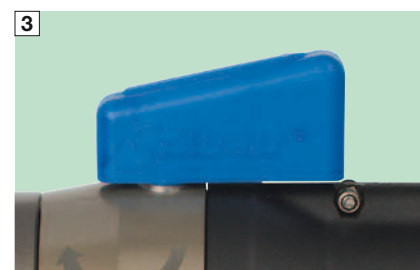
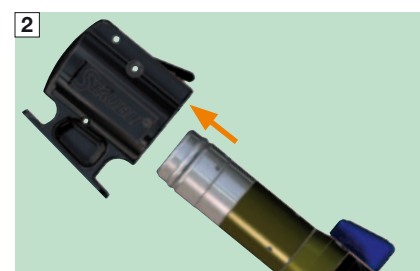
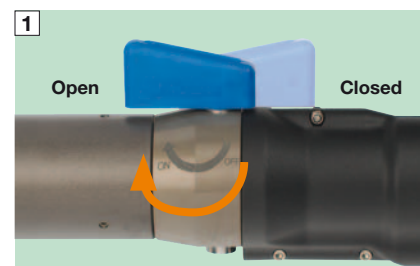
## High-flow design

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

## Trouble-free handling

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

## Shock-resistant control lever <sup>3</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 12 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 pressure ..... 200 bar
- Max. working pressure..... 315 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 lever

Materials compatible with natural gas.

## Part-numbers

	Thread		Part-numbers
	Filling	Venting	
	UN 7/8 – 14 JIC 37°	UN 9/16 – 18 JIC 37 °	<b>N 012 247 14</b>
			<b>N 006 350 14</b>

Please contact us for further options.

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



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