CONNECTORS

STÄUBLI

# GMV 06 – Type 1

## Natural Gas for Vehicles (NGV)

## Self-service filling for vehicles powered by natural gas

- Private vehicles
- Light vehicles

PATENTED

**US patents**
**8 616 524**
**8 251 407**
**8 590 568**
**And other countries**

- Compatible with the standardized receptacles according to NGV 1, ISO 14469-1 and ISO 14469-3 that are present on the vehicles.
  (For vehicles equipped with a receptacle as per ISO 14469-2, we recommend the refuelling nozzle GMV 12 – see our 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.
- Certified to be compliant with SSIGE for use on Swiss territory.

## 2 versions available with colour indication of the working pressure 1

- Nozzle with **blue lever** for P 30 - B 200 connection profile: nominal pressure **200 bar.**
- Nozzle with **yellow lever** for P 36 - B 250 connection profile: nominal pressure **250 bar.**

## Easy to use 2

Just as simple to handle as a "petrol pump" nozzle:
- Position the nozzle at the receptacle.
- Operate the lever.

The swivel between nozzle and hose reduces strain due to the rigidity of the hose when under pressure.

## Storage holder 3

To ensure a long operating life, 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).*

An optionally available sensor makes it possible to detect when the nozzle is present thanks to its integrated magnet.

## 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 it is subject to a pressure greater than 3 bar.
- Built-in 3-way valve with automatic vent function: residual pressure vented automatically by the venting line for safe disconnection.
- Venting possible to a recovery tank: in this case, no gas escapes into the atmosphere.

## Built-in safety

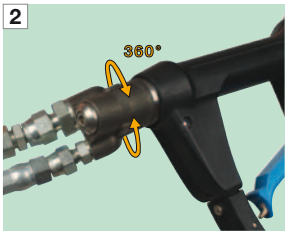
Fully automatic operation:
- The nozzle is locked and circuit is automatically opened when the lever is activated.
- Audible click when the nozzle is connected with the receptacle.
- Tightness ensured even if there is no seal at the vehicle receptacle.

## Nozzle customisation possible 4

thanks to the space left free for your own logo.

1

2

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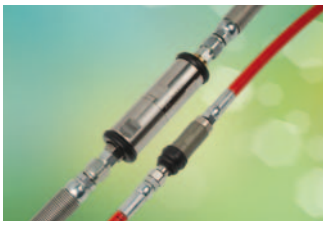
**The opportunity to spend less and contribute to a sustainable development programme**
With Stäubli, you can rely on the performance of your equipment, reliability of long-term investments and no workplace pollution.

## Associated products



**For even greater safety, use the GMV 06 Type 1 refuelling nozzle in combination with break-away systems BRW 02 and BRW 08.**
These systems permit 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 them in the system documentation.

You can also discover our **full-range systems** for natural gas solutions in the related system documentation.

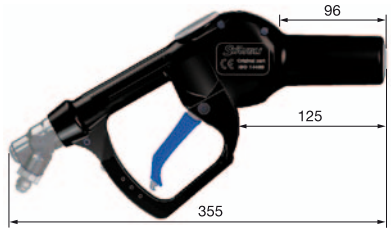
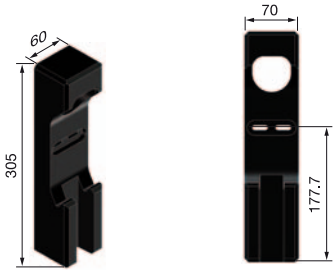
## Technical specifications

- Nominal pressures:
  - Blue lever ..... 200 bar
  - Yellow lever ..... 250 bar
- Max. working pressure..... 315 bar
- Operating temperatures ..... - 40 °C to + 85 °C
- Flow rate:
  Cv ..... 0.81

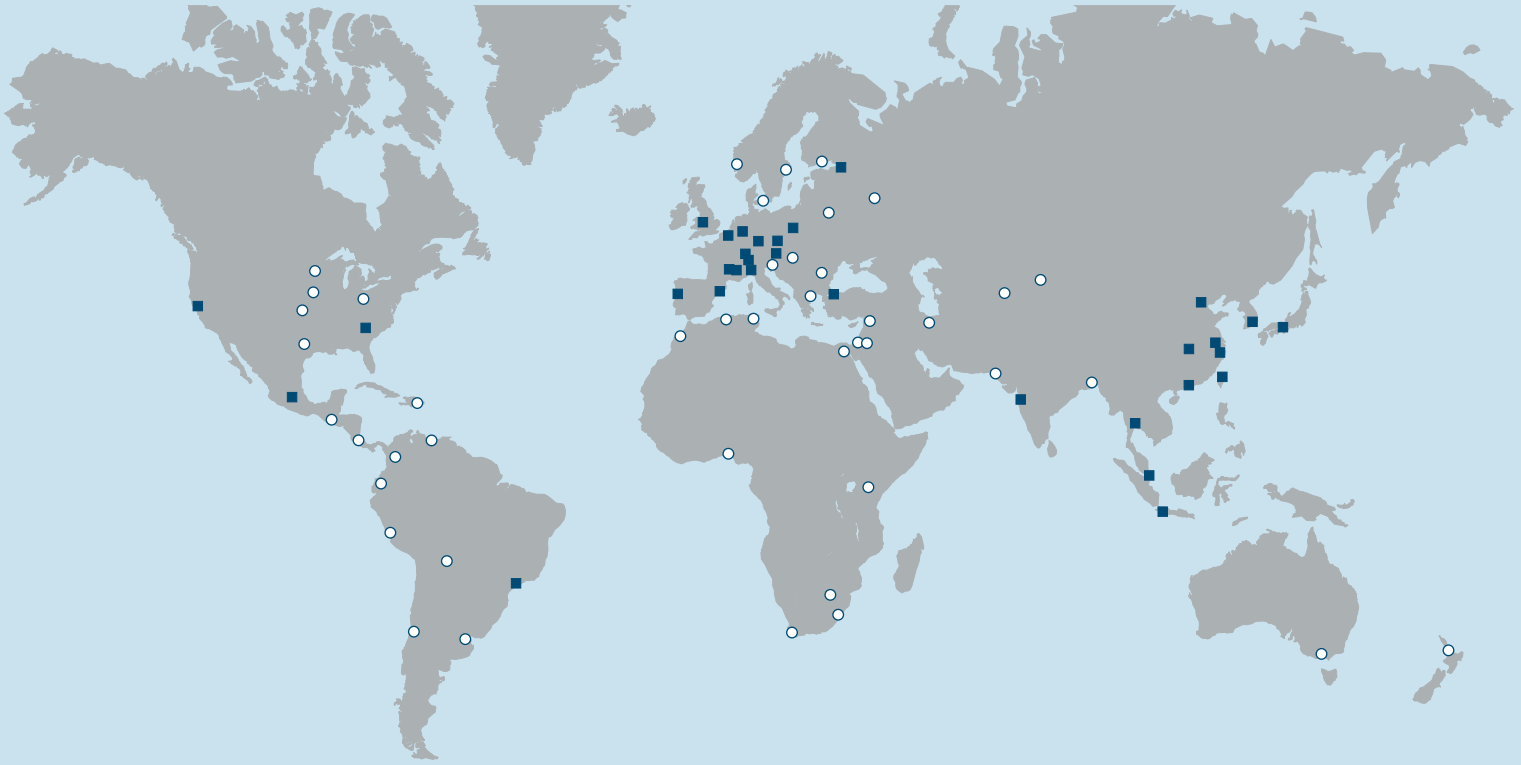
**Construction**

- Polycarbonate casings
- Polycarbonate handling surfaces

## Part-numbers

| | Thread | | Part-numbers | |
|---|---|---|---|---|
| | Filling | Drainage | Blue lever | Yellow lever |
|   | UN 9/16 – 18 JIC 37° | UN 7/16 – 20 JIC 37° | **N 003 345 15** | **N 005 305 15** |
|   | Without presence sensor **N 003 346 15** | | | |
| | With presence sensor **N 004 156 15** | | | |

For contact details: **www.staubli.com/connectors/contacts**



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