

# INJECTION RAIL TAURUS

Code No: see table



## Application

Bus is designed for sequential gas injection installations (fourth generation liquid gas installations) in vehicles equipped with gasoline engines. It assures a precise dosing of evaporated and filtered gas to inlet channel of each engine cylinder separately.

## Certification

The produced injection bus is classified as 2A. It has a certification according to the ECE regulation 67.01 No. E6 67R-014220.

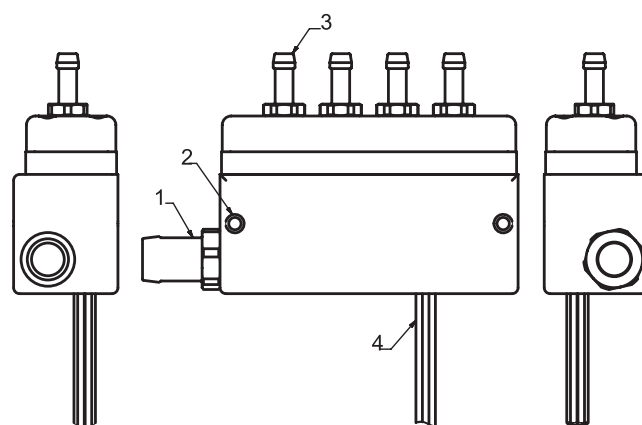
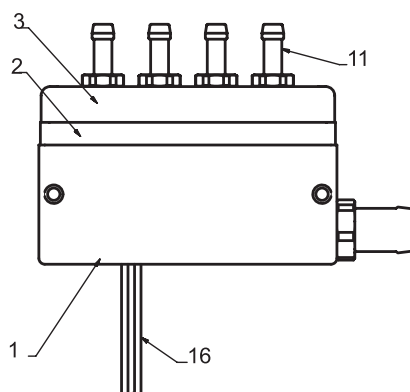
## Construction

Basic elements of the bus (body and connection terminals plate) are made of aluminum, whereas the nests plate that is located between them is made of plastics. Seals are made of rubber that is appropriate for working conditions of the element. Other elements are made of materials that were tested for resistance to LPG factors. Connection terminals (1, 3) are made of brass. Ending of feeder cables is equipped with AMP 282108 plug.

## Technical Specifications

Working pressure	0,095 ÷ 0,105 MPa
Working temperature	-20°C ÷ +120°C
Delay in operation	< 2ms
Maximum opening time	40ms
Power supply voltage	12V
Nominal current	2A per injector section
Inlet terminal thread	3/8"
Outlet gas terminal thread	1/8"
Valve weight	0,6 kg
Warranty period	2 years or 30 000 km

Code No	Version
0216-0001-01	Injection rail with one gas inlet flare (1) and four outlet flares (3)
0216-0001-02	Injection rail with one gas inlet flare (1), without outlet flares (3)



## Assembly

Valve should be mounted in the shorter possible distance from the engine inlet channel. The shorter is the distance between LPG gas injection and gasoline injectors, the better would be the driving dynamic while using LPG gas. It should be assembled by means of two vibration absorbers located on openings (2). The aim of these absorbers is to minimize the influence of car vibrations. Position of bus assembly has no influence on its proper functioning. In order to assure proper functioning of the bus and in order to prevent gasoline injectors against damages, a filter of volatile phase has to be assembled. This filter is also offered by FACH S.A.

As the gas inlet channel is manufactured as a open ended channel, its opening located on the opposite end to the inlet should be blocked with a stopper equipped with temperature sensor.

In order to ensure proper functioning of injection bus, the gas reducer should be adjusted so that the gas pressure at the outlet is kept in the range of 0,095 – 0,105 MPa.

For proper functioning of the injectors' bus it is necessary to have a clean filtering insert. Hence, this insert is to be regularly inspected and replaced by new one if necessary / dirty.

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