

FLIPPER

LPG/CNG Injection Rail



The FLIPPER injection rail is the result of the company's many years of experience in the production of gas injectors.

In the product range, it ranks between the ALEX RAIL-001 and the flagship Barracuda injector. **FLIPPER has a new pistons' design and a compact housing.** Thanks to the use of a smaller and lighter piston, the centrifugal force acting on it is much weaker. This results in shorter opening and closing times than in a RAIL-001.

The use of a special vulcanization process has **significantly extended the life of the rubber components.** Quiet working and easy maintenance are other advantages of the FLIPPER injection rail. High-quality materials, attention to details and many tests have resulted in achieving optimal parameters and a long time of reliable and trouble-free operation.

DESCRIPTION:

- Available in 3- or 4-cylinder versions
- Completely new piston design
- Removable calibration nozzles allow smooth regulation of gas flow and injector efficiency (from 20 to 50 HP per cylinder)
- Compact housing
- Seals made of specially designed fluorinated rubber compounds (FKM)
- Standard AMP SuperSeal connector
- Modern fluoropolymer sliding coatings with non-stick and anti-freeze function
- Working temperature from -40 to 120°C

THE KIT INCLUDES:

- Injection rail
- Gas inlet connection
- Plug
- Calibration nozzles for the strip
- Nozzles for the intake manifold
- Handles for fixing the slot

Product code: C077-30-20-01-00
Product code: C077-40-20-01-00

Product name: Injection Rail FLIPPER 3C with Equipment
Product name: Injection Rail FLIPPER 4C with Equipment

TECHNICAL SPECIFICATIONS

Static flow at 1.2 bar	[NI/min]	120 ± 2
Nozzle diameter	[mm]	max. 2,8
Coil resistance	[Ω]	2,0 ± 5%
Opening time	[ms]	2,3
Closing time	[ms]	1,5
Min. peak current	[A]	≤ 3,0
Min. hold current (PWM = 25%)	[A]	≤ 1,5
Operating working pressure	[bar]	0,2 ÷ 4,2
Max. working pressure	[bar]	4,5
Operating temperature	[°C]	-40 ÷ 120
Operating voltage range	[V]	8 ÷ 16
Warranty	[ch]	60 000
Life span	[cycles]	>200 mln
Connector	AMP SuperSeal	
LFR @ T = 2.0 ms	> 31	
WFR @ T = 2.0 ms	> 40	
Homologations	E8 67R 11417 E8 110R 11418	