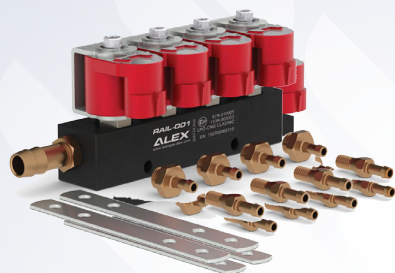
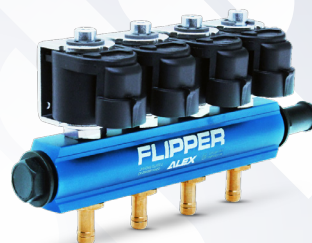


## Comparison table of injectors



**RAIL 001**  
LPG/CNG Injection Rail



**FLIPPER**  
LPG/CNG Injection Rail



**Barracuda**  
LPG/CNG Injector

		RAIL - 001		FLIPPER	BARRACUDA	
Static flow at 1,2 bar	[NI/min]	120 ± 2	120 ± 2	120 ± 2	115 ± 2	130 ± 2
Nozzle diameter	[mm]	max. 3,0	max. 3,0	max. 2,8	max. 3,0	max. 3,0
Coil resistance	[Ω]	2,0 ± 5%	3,0 ± 5%	2,0 ± 5%	1,9 ± 5%	1,9 ± 5%
Opening time	[ms]	2,4	2,8	2,3	1,8	1,9
Closing time	[ms]	1,8	1,8	1,5	1,2	1,3
Min. peak current	[A]	≤ 3,0	≤ 2,0	≤ 3,0	≤ 3,5	≤ 3,5
Min. hold current (PWM=25%)	[A]	≤ 1,5	≤ 1,0	≤ 1,5	≤ 1,5	≤ 1,5
Operating working pressure	[bar]	0,2 ÷ 4,2	0,2 ÷ 4,2	0,2 ÷ 4,2	0,2 ÷ 4,2	0,2 ÷ 4,2
Max. working pressure	[bar]	4,5	4,5	4,5	4,5	4,5
Operating temperature	[°C]	-40 ÷ 120	-40 ÷ 120	-40 ÷ 120	-40 ÷ 120	-40 ÷ 120
Operating voltage range	[V]	8 ÷ 16	8 ÷ 16	8 ÷ 16	8 ÷ 16	8 ÷ 16
Warranty	[km]	20 000	20 000	60 000	100 000	100 000
Life span	[cycles]	> 100 mln	> 100 mln	> 200 mln	> 500 mln	> 500 mln
Connector		AMP SuperSeal	AMP SuperSeal	AMP SuperSeal	AMP SuperSeal	AMP SuperSeal
LFR @ T=20 ms		> 27	> 26	> 31	> 48	> 49
WFR @ T=20 ms		> 30	> 29	> 40	> 55	> 54