

AG CENTRUM

With over 20 years of experience in autogas industry, we know perfectly the needs and expectations of customers. Therefore, our offer incorporates a complete range of products from the most renowned global manufacturers required for LPG and CNG systems. The choice of Zenit controllers and other components we offer is a guarantee of quality, confirmed by many years of trust among drivers and professional installers.

The full list of products offered by AG Centrum is available at: www.agcentrum.pl



Zenit is a brand which has gained trust among users in over 50 countries around the world. It was the only brand thoroughly tested by experts in the field of automotive. In addition, Zenit has received multiple awards and recognition at international fairs. Our LPG and CNG systems are characterized by innovative technical solutions, thanks to which they ensure optimal performance parameters and longevity of the engine. Our quality standards are confirmed by ISO 9001: 2015 certificate and approval certificate issued by the Ministry of Infrastructure.



Join us! Become our distributor!



HERCULES



AG Centrum

🏠 Chorzowska 11A
26-600 Radom
Poland

📞 +48 (48) 322 27 20

✉ agc@agcentrum.pl

Technical support:

📞 +48 800 70 30 39, +48 606 145 996

www.agcentrum.pl





HERCULES

Hercules is the injector featuring a modern design and ensuring rapid response to an electrical signal, an accurate gas injection dosage, linear flow characteristics, very high efficiency and self-cleaning of contamination provided that it has been properly installed.

GISM-I3100/3110 injector efficiency for the selected nozzle diameter:

NOZZLE 1,9 MM	up to 20 HP per cylinder
NOZZLE 2,1 MM	from 17 up to 27 HP per cylinder
NOZZLE 2,4 MM	from 24 up to 36 HP per cylinder
WITHOUT NOZZLE	from 35 up to 50 HP per cylinder

In some cases selection of nozzles may be different from the values specified in the table.

GISM- I3000/3010 injector efficiency: from 50HP to 60 HP per cylinder.

*(P=1 bar, Uzas=12 V)



HERCULES

AVAILABLE VERSIONS

Injectors - hose versions:

- Hercules GISM-I3110
- Hercules BF GISM-I3010

Injectors - rail versions:

- Hercules GISM-I3100
- Hercules BF GISM-I3000

TECHNICAL SPECIFICATION

FUEL TYPE	LGP/CNG
COIL RESISTANCE	1,7 Ω
MINIMUM OPENING TIME	2 ms
CLOSING TIME	0,8 ms
MAXIMUM EXPENDITURE	150 l/min
PERMISSIBLE OPERATING PRESSURE	0,2-4,2 bar
MAXIMUM OPERATING PRESSURE	4,5 bar
SUPPLY VOLTAGE	DC 6V-18V
OPERATING TEMPERATURE	-40 to +120°C
CONNECTOR	AMP 282104-1 (Valtek type)
CURRENT CONTROL	Peak&Hold
HOUSING	stainless steel
APPROVALS	67R-01, 110R-00

COMPARISON OF HERCULES

MINIMUM OPENING TIME/ CLOSING TIME [ms]			
HERCULES GISM 2,0/0,8	BARRACUDA ~1,9/1,2	YETI 2,0/1,2	AC W02/03 2,0/1,0
MAXIMUM EXPENDITURE [l/min]			
HERCULES GISM 150	BARRACUDA 130	YETI 140	AC W02/03 135
COIL RESISTANCE [Ω]			
HERCULES GISM 1,7	BARRACUDA 1,9	YETI 1,9	AC W02/03 1,9



Fuel consumption regulated by screw-in nozzles (not applicable to BF version).

Built-in filter at the gas inlet (for injectors mounted on the rail).

Teflon coated pistons and a unique design of the piston chamber ensuring high durability, excellent reliability, resistance to dirt and rough working conditions.

Available individually and in 2, 3 and 4 cylinder versions.

Recommended use of Twister filter.