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Technical Data Sheet

IG6 Potomac 12V 5Bar 1,5Ohm

Component classification as **110R-00**

Characteristic	Unit	Value	Note
Injector version	n° of cylinders	1 - single injector	To be put in a common rail manifold or in gas-air mixer
Material body and treatment		Steel galvanized	
Relative pressure	Bar (Psi)	5 (72)	Working pressure
		7,5 (108)	Max pressure
Rated voltage (at coil)	Volt	10,8 - 14,4	
Minimum copper wire section for coil connection	mm^2	0,75	
Coil type	by encoding	E5 - Green cap	
Resistance	Ω	1,5	± 5% at T= 25°
Suggested peak current time (duration)	ms	3,5	
Suggested peak current value	A	8	at 14V 12Hz
Suggested holding current (±10%)	A	1,4	
Cold Starting Requirements		Increase up to 20% the "peak current time" for first cycles when gas temperature is < 10°C	
Complete OPENING response time	ms	2,15	±5% tested with max nozzle diameter at 14V Dp=5 bar T= 25°C
Complete CLOSING response time	ms	1	
Minimum injection pulse	ms	2,5	
Stroke	Micron	430	1 A supply current
Seat Diameter	mm	3	
Static flow rate (with max nozzle Φ) at 20°C (with air)	SLPM (sL/min)	280	at 5 bar inlet pressure
Calculated max flow rate (with max nozzle Φ) CNG at 20°C (G20 CNG fluid)	gr/sec	4,22	at 5 bar inlet pressure
	Kg/h	15,2	at 5 bar inlet pressure
Calculated max flow rate (with max nozzle Φ) LPG at 20°C	gr/sec		
	Kg/h		
Leakage (tested with air)	cc/h	≤ 15	
Noise level	dB		
Compatibility with gas		LPG, CNG	
Driver Stage		Peak and Hold (PWM)	
Coil Connector type		2 way Amp/Delphi super seal fermale connector with tab contacts	About connecting wire, refer to our drawing, code 114.01.AMP.001
Inlet gas fitting for rubber hose	mm		
Outlet gas fitting			
Calibrated hole Ø range (for nozzles)	Ø		
Approvals		110R-00	
Operating ambient temperature range	°C	-40°C / +120°C	
Principle of operation		Solenoid valve - Normally closed - Mobile plunger	
Power handling capability LPG	HP/Cyl		
Power handling capability CNG	HP/Cyl	5 bar up to 80 HP/cyl	
Coil IP Rating		IP67	

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Last update: 06/06/2024