



## Technical Data Sheet IG6 Taurus 12V HP 2,0 Ohm



| Characteristic   | Unit            | Value  | Note   |
|--|-----------------|--|--|
| Injector Version   | N° of cylinders | 3,4,5 or 6   |  |
| Material body and treatment  |                 | Aluminium black anodized   |  |
| Relative Pressure  | Bar (Psi)       | From 1 to 9 (14 to 130)  | Working pressure   |
|  |                 | 10 (145)   | Max pressure   |
| Rated voltage (at coil)  | Volt            | 10,8 - 14,4  |  |
| Minimum copper wire section for coil connection  | mm <sup>2</sup> | 0,75   |  |
| Coil type  | by encoding     | E2 - Grey cap  |  |
| Resistance   | Ω               | 2  | ± 5% at T= 25°   |
| Suggested peak current time (duration)   | ms              | 4,5  |  |
| Suggested peak current value   | A               | 6  | at 14 V 12 Hz  |
| Suggested holding current (±10%)   | A               | 1,7  |  |
| 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              | 2,4  | ± 5% tested with max nozzle at 14V Dp=5bar T= 25°C               |
| Complete CLOSING Response Time   | ms              | 1,1  |  |
| Minimum injection pulse  | ms              | 2,6  |  |
| Stroke   | Micron          | 400  |  |
| Seat Diameter  | mm              | 2  |  |
| Static flow rate (with max nozzle Φ) for 1 single injector at 20°C (with air)                  | SLPM (sL/min)   | 320  | at 5 bar inlet pressure  |
| Calculated max flow rate (with max nozzle Φ) for 1 single injector CNG at 20°C (G20 CNG fluid) | gr/sec          | 5  | at 5 bar inlet pressure  |
|  | Kg/h            | 18   | at 5 bar inlet pressure  |
| Calculated max flow rate (with max nozzle Φ) for 1 single injector LPG at 20°C                 | gr/sec          |  |  |
|  | Kg/h            |  |  |
| Leakage (tested with air)  | cc/h            | ≤ 15   |  |
| Noise level  | dB              |  | ±1 dB Rail Test Condition  |
| Compatibility with gas   |                 | LPG, CNG   |  |
| Driver Stage   |                 | Peak and Hold (PWM)  |  |
| Coil Connector type  |                 | 2 way Amp/Delphi super seal female connector with tab contacts                             | About connecting wire, refer to our drawing, code 114.01.AMP.001 |

|                                       |        |  |  |
|---------------------------------------|--------|--|--|
| Inlet gas fitting for rubber hose     | mm     | ø10 mm / ø12 mm / ø14 mm / ø16 mm                                |  |
| Outlet gas fitting                    |        | Calibrated nozzles M8x1 for rubber hose ø 4 mm - ø 5 mm - ø 6 mm |  |
| Calibrated hole ø range (for nozzles) | ø      |  |  |
| Approvals                             |        | /  |  |
| Operating Ambient Temp Range          | °C     | -20°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 90 HP/cyl  |  |
| Coil IP Rating                        |        | IP54   |  |

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