

# Magneti Marelli IWP Pico Fuel Injectors

The IWP "Pico" top feed fuel injectors are production components specifically selected and tested for racing applications. Available in a variety of flow ratings and spray patterns, the IWP series combines small size and light weight with a rugged stainless steel construction.

The stainless steel construction makes them ideal for use with alcohol based fuels like methanol or ethanol.

## Overview

The characteristics of the injector are a fast response, high precision, high dynamic range (up to 90% duty cycle) and optimum fuel atomisation. This is achieved using a high performance solenoid winding with opposing expansion poles that moves the injector slide on high precision ground injector slides and a high precision nozzle.

The injector has a stainless steel body, a fuel resistant Mini Timer connector, martensitic stainless steel internal valve and an electromagnet with a low carbon content stainless steel armature.

## Benefits

- Methanol/alcohol compatible
- Multi hole spray patterns
- High precision with high flow
- Small dimension and weight

## Technical details

- Driver current..... 0.8 amp
- Power supply..... 8-16 volt
- Operating temperature..... -30 to 120 deg C
- Connector type ..... Amp Junior Timer (mating connector 827551-3)
- Weight..... 35 grams
- Pressure range ..... 3 to 5 bar

Part Number  
Flow @ 3bar  
Max Pressure  
Impedance  
Spray pattern  
Spray angle

IWP001  
200 cc/min  
5 bar  
14.5 ohm  
Bent stream  
16 deg

IWP003  
215 cc/min  
5 bar  
14.5 ohm  
Pencil stream  
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IWP006  
226 cc/min  
5 bar  
14.5 ohm  
Split stream  
16 deg

IWP022  
215 cc/min  
5 bar  
14.5 ohm  
Single stream  
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IWP023  
158 cc/min  
5 bar  
14.5 ohm  
Pencil stream  
15 deg

IWP024  
226 cc/min  
5 bar  
14.5 ohm  
Single stream  
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IWP043  
300 cc/min  
5 bar  
14.5 ohm  
Single spray  
20 deg

IWP069  
490 cc/min  
5 bar  
14.5 ohm  
Single spray  
15 deg

IWP145  
510 cc/min  
5 bar  
14.5 ohm  
Twin jet

20 deg

IWP189  
490 cc/min  
5 bar  
14.5 ohm  
12 hole cone