

# Magneti Marelli IWP189 Fuel Injector 490cc

**Brand:** Magneti Marelli  
**Product Code:** IWP189  
**Availability:** In Stock  
**Weight:** 0.04kg  
**Dimensions:** 7.00cm x 4.00cm x 4.00cm

**Price: \$198.00**

## Short Description

The IWP or Pico, fuel injectors from Magneti Marelli are OEM on many high performance cars and bikes. They come in a small package with stainless steel construction and a variety of flow ratings.

## Description

The characteristics of the injector are a fast pulse response, high precision, high dynamic range and optimum fuel atomization. These are achieved by a high performance ON-OFF actuating electromagnet with opposing expansion poles that moves an internal injector valve on high-precision ground cylindrical slides, and a high precision nozzle. The injector has a stainless steel body, a fuel-resistant plastic connector, martensitic stainless steel internal valve and an electromagnet with a low carbon content stainless steel armature. The electrical connection to the control unit is via a Mini-Timer plastic plug.

## Applications

Standard equipment on all the following Ducati & Moto Guzzi models

- 848
- 1098
- 1098R (high flow injector)
- 1198
- S4RS -later models

- Streetfighter
- Standard equipment also on many other Moto Guzzi.
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Great upgrade option for 749 or 999 which use the single stream yellow injectors as these have a mch better spray pattern with finer atomisation. Will need some re-mapping from stock, however.

### Technical Data

Pressure range .....	0.3 to 0.5 MPa
Static flow .....	490cc/min
Driver current .....	0.8 A
Spray type .....	multihole
Spray shape .....	60 degree single stream (12 hole outlet)
Power supply .....	8 to 16 V
Operating temperature range.....	-30 to 110 °C
Connector type .....	AMP Junior 2 ways minitimer
Weight .....	35 g

### Injector Offsets (Battery Voltage and fuel pressure)

#### IWP1

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FUEL PRES	6V*	7V*	8V	9V	10V	11V	12V	13V	14V	15V	16V
3 BAR	5.14		1.91	1.547	1.185	1.002	0.82	0.705	0.59	0.505	0.42
			5		5						
4 BAR			2.745	2.102	1.449	1.205	0.961	0.817	0.673	0.578	0.484
			5	25		25	5	25		75	5
5 BAR			3.581	2.657	1.713	1.408	1.103	0.929	0.756	0.652	0.549
								5		5	

### Product Gallery

**IMAGE  
COMING  
SOON!**

**IMAGE  
COMING  
SOON!**