



***MECHATRONIC SOLUTION***  
ADVANCED MANAGEMENT TEMPERATURE

MONVZA TECH



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ADVANCED MANAGEMENT TEMPERATURE

MonzaTech is a start-up founded in 2016 and principally owned by the Meregalli Group.

An Italian company established thanks to the passion and experience of its founders in the field of Motorsport.

The years of experience acquired on the circuits, means Monzatech can provide innovative solutions and products, satisfying professionals, racing teams and amateurs from all over the world.











The MWP is a patented electromechanical system for regulating the temperature of thermal or electric engines.

The system uses two main components: the electronic control unit and the water pump.

The control unit reads the engine temperature data using a can and, an additional sensor inserted in the electric pump, determines the radiator's ability to dissipate heat. It intervenes by managing the fans and the speed of the liquid inside the system, making the most of the efficiency of the electric pump.

The control unit proportionally manages both the fans and the electric pump.

Based on the set target temperature, the flow of liquid (irrespective of the number of engine revs.) and the power of the cooling fans increase autonomously without waiting for the engine to reach 100° centigrade.

The electric pump fitted on modern engines

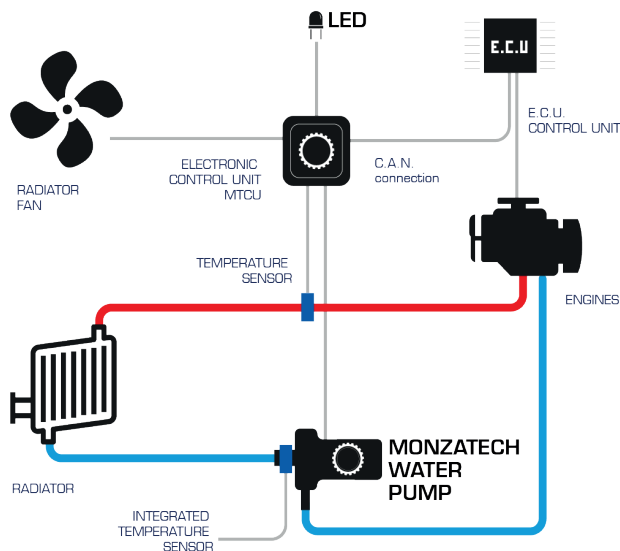
guarantees a completely new level of efficiency, increasing the capacity of the original radiator by 30% to dissipate the heat of the engine.

For example, while driving in city traffic at reduced speeds and low rpm, the pump could operate at maximum speed, something which only occurs at full speed in the case of a mechanical pump.

In recent years, the ever higher specific powers of engines, combined with increasingly stringent anti-pollution regulations, have resulted in an increase in engine operating temperatures. While driving in the city, the engine often reaches temperatures in excess of 100°C.

Those who use a motorbike on a track know how important it is to keep the temperature within the right range.

The MONZATECH kit ENSURES engine efficiency and stable performance.





## WARM-UP

### Series installation to the original pump

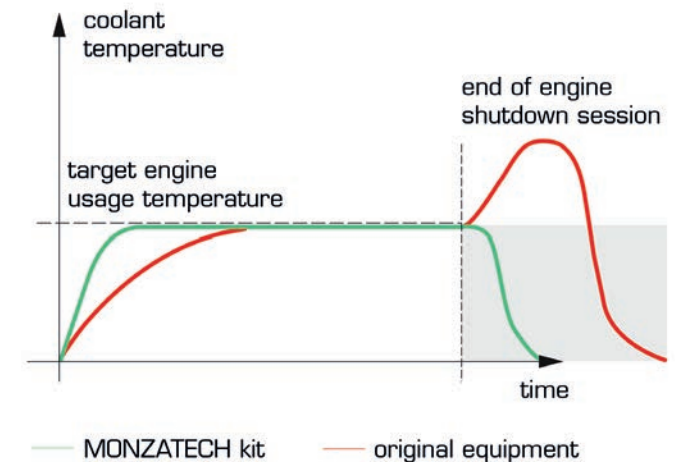
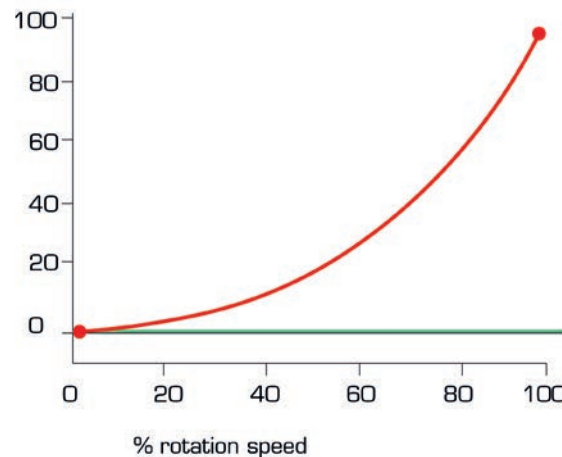
The MWP pump limits the flow of liquid in the circuit and this encourages heating.

### Stand-alone installation

The MWP pump manages the flow of the coolant to heat the engine thermals faster. This way, the engine will work within the correct temperature range ensuring it continues to work.

## COOL-DOWN

The MWP pump ensures a continuous circulation of the coolant and also handles the fan operation to encourage the dispersion of heat, thus avoiding overheating which damages the engine.



### **PROPORTIONAL RADIATOR FAN CHECK**

The electronic control unit combines the operating mode of the pump with the proportional management of the fans, so there is no longer on/off but 0 to 100%. This way, the fan can intervene already at temperatures lower than those set by the manufacturer, avoiding a build up of heat in the engine which is more difficult to disperse.

### **FOR THOSE WHO USE THE MOTORBIKE ON A TRACK**

Increasing the performance of the cooling system increases the efficiency of the original radiator, so there is no need to replace it with larger models.

### **ELIMINATION OF THE THERMOSTATIC VALVE**

The system automatically adjusts the flow of liquids in the system making the thermostatic valve and the choking of the radiator with the tape superfluous.

### **INCREASED POWER**

In the case of a stand-alone installation, it is possible to remove the impeller of the mechanical pump, recovering the power absorbed over the entire distribution span.

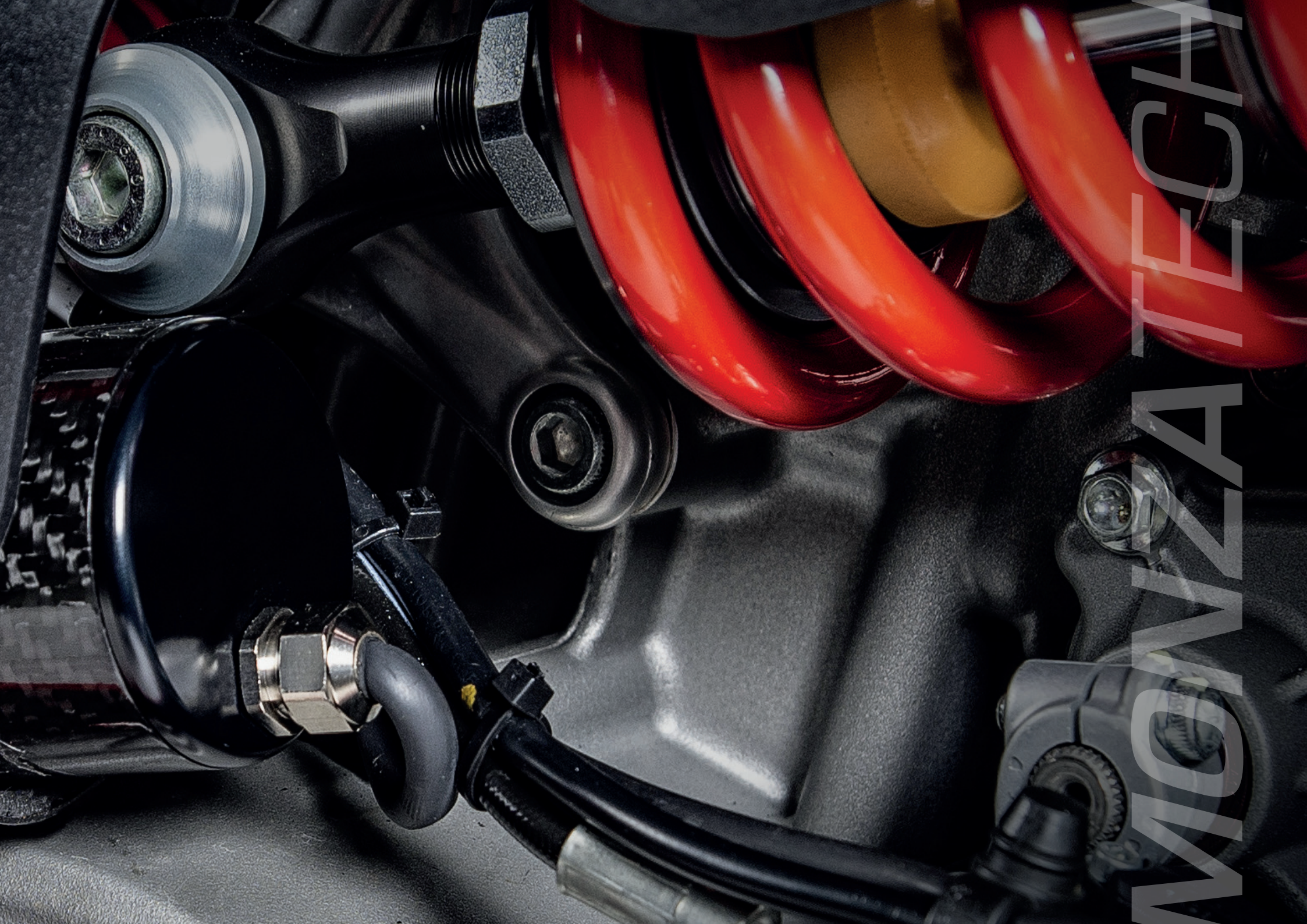


A close-up photograph of a car's bodywork. The left side of the image is dominated by a bright red, glossy surface, likely a fender or door. On the right, there is a black plastic trim piece, possibly a wheel arch or side skirt, which is partially attached to the red surface. The lighting creates highlights and shadows, emphasizing the textures and curves of the car parts.

***KIT PLUG'N'PLAY***

**Monzatech**







# DUCATI PANIGALE V4

MT - KDPV4







## MECHANICAL

MT-MWP070

**KIT Plug'n'Play Ducati V4** | Flow **70 l/min @ 13,8 volt**  
 Material **CNC+ Carbon** | Application **MT-CU-M**  
 Dimension **113x53 mm** | Weight **480g**  
 Power/Consumption **13,8 volt/3,5 Ah**

PRICE WITH VAT 590 €

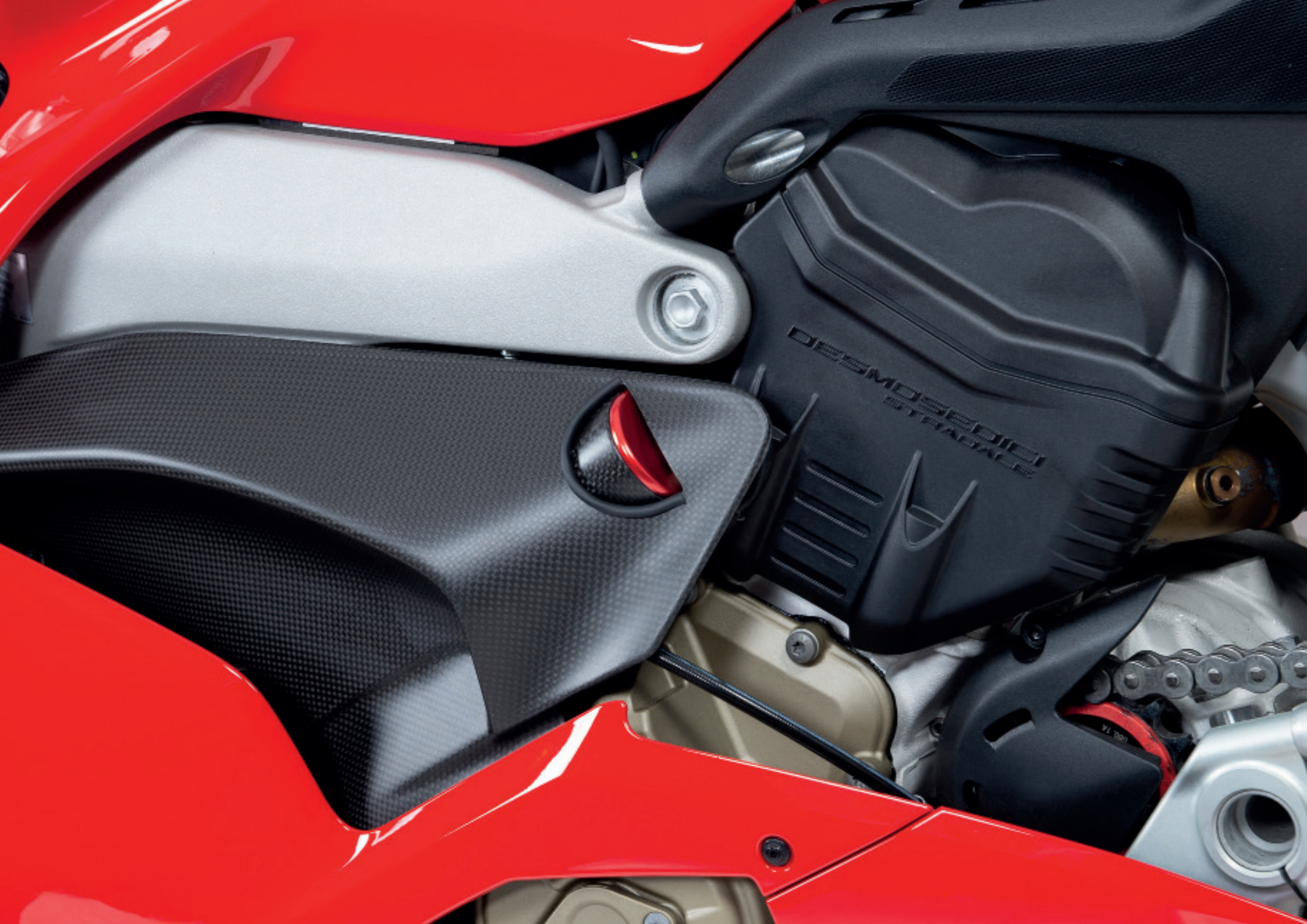
## ELECTRONICS CONTROL UNIT

MT-CU-MV4

ECU **retarder e cool-down** | Material **Aluminium**  
 Power/Consumption **10-18 volt/0,05 Ah**  
 Weight **480 g** | Dimension **113x53 mm**  
 ECU with **CAN interface** to veichle

PRICE WITH VAT 549 €







## ***BEHIND*** the performance

### INSIDE THE KIT

MT-KDPV4

Water pump **MT-WP070**

Electronic control unit **MT-CU-MV4**

Side panels dx/sx in carbonio \*

Silicone radiator tubes | Cablaggi

PRICE WITH VAT 1.279 €\*\*

\*The kit includes the replacement of the original side panels.

\*\* price excluding side panels

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# DUCATI PANIGALE 1299

MT - KDP99





MT-MWP070

**MECHANICAL**

<b>Water Pump</b>	Flow 70 l/min @ 13,8 volt
<b>Material CNC+ Carbon</b>	Application MT-CU-M
<b>Dimension 113x53 mm</b>	Weight 480g
<b>Power/Consumption 13,8 volt/3,5 Ah</b>	

PRICE WITH VAT 590 €

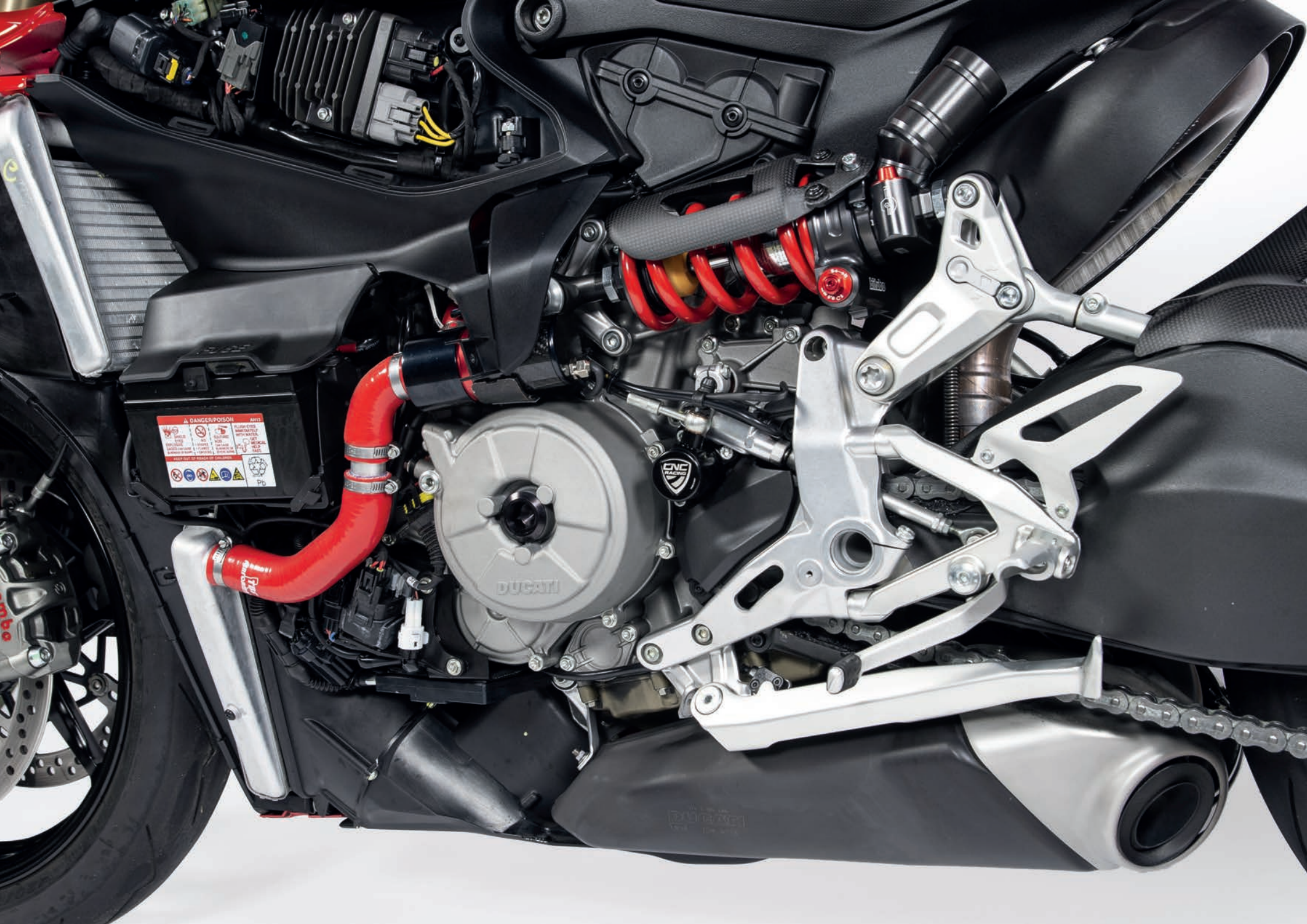
MT-CU-M99

**ELECTRONICS CONTROL UNIT**

<b>ECU retarder e cool-down</b>	Material Aluminium
<b>Power/Consumption 10-18 volt/0,05 Ah</b>	
<b>Weight 480 g</b>	Dimension 113x53 mm
ECU with <b>CAN interface</b> to veichle	

PRICE WITH VAT 549 €









For your bike only  
***THE BEST***

#### INSIDE THE KIT

MT-KDP99

Water pump **MT-WP070** | diagnostic Led

Electronic control unit **MT-CU-M99** | Cablaggi

Anchorage brackets | Silicone radiator tubes

PRICE WITH VAT 1.579 €

MONZA TECH

# DUCATI MULTISTRADA 1260

MT - KDM60







MT-MWP070

**MECHANICAL**

Water Pump		Flow 70 l/min @ 13,8 volt
Material CNC+ Carbon		Application MT-CU-M
Dimension 113x53 mm		Weight 480g
Power/Consumption		13,8 volt/3,5 Ah

PRICE WITH VAT 590 €

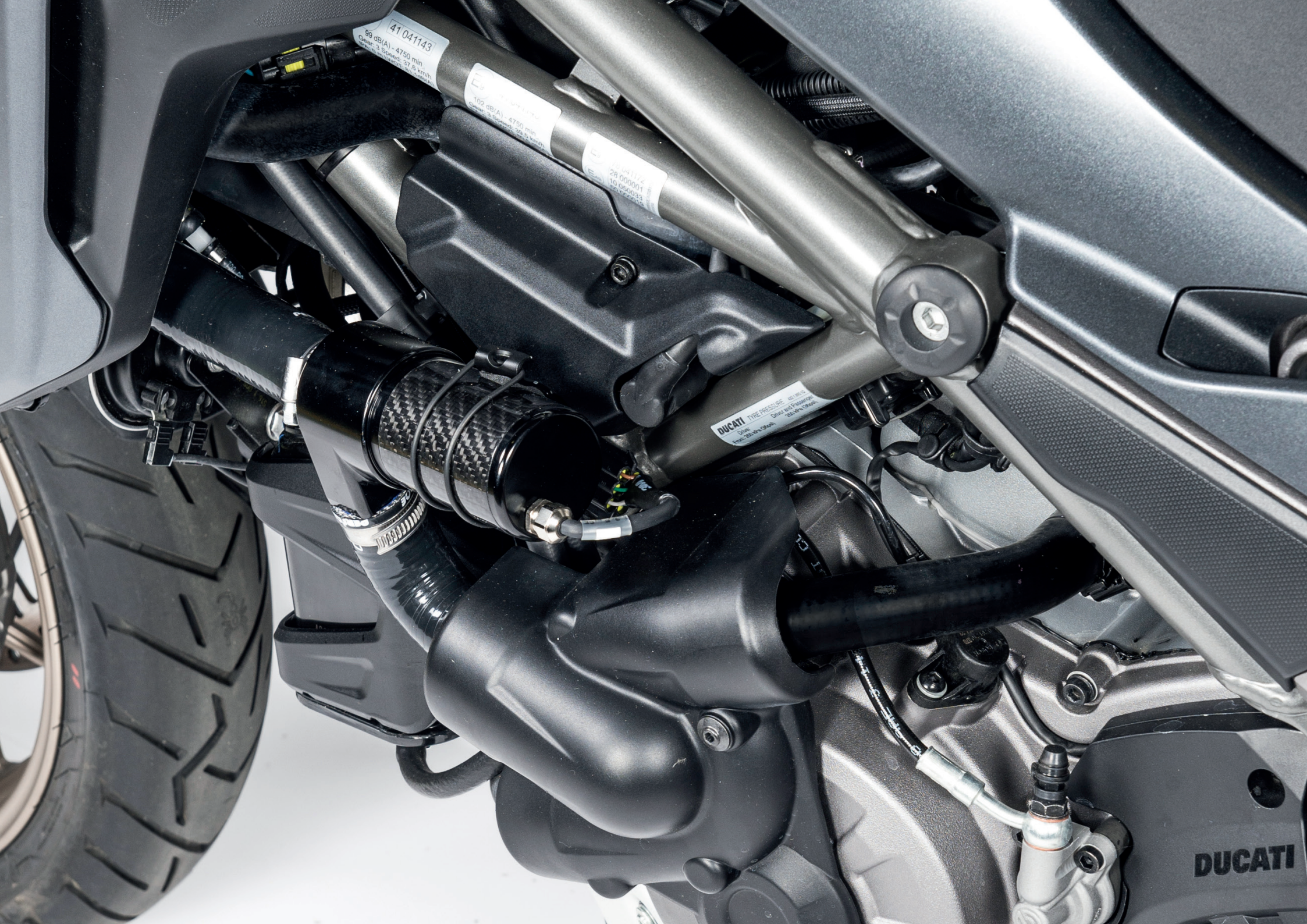
MT-CU-M60

**ELECTRONICS CONTROL UNIT**

ECU retarder e cool-down		Material Aluminium
Power/Consumption		10-18 volt/0,05 Ah
Weight 480 g		Dimension 113x53 mm
ECU with CAN interface to veichle		

PRICE WITH VAT 549 €





41 041143  
86 dB(A) - 4750 min  
Gear: 3 Speed: 37.6 km/h

102 dB(A) - 4750 min  
Gear: 3 Speed: 37.6 km/h

28 000001  
10 050033

DUCATI THE PRODIGE  
Date: 1998-08-13  
Emc: 10-13-1998

DUCATI





## For your **COMFORT** on board

### INSIDE THE KIT

MT-KDM60


Water pump **MT-WP070** | Cablaggi

Electronic control unit **MT-CU-M60**

Anchorage brackets | Silicone radiator tubes

PRICE WITH VAT 1.460 €

MONZA TECH



**MONZATECH** is technical partner for the AC Racing Team. In 2018  
bikes fitted with our pumps participated in  
and won the following titles:

Italian and European MiniGP 2018 Championship  
with **LUCA LUNETTA**

European MiniMoto Open A Championship 2018  
with **GRAZIANO SIMONE**





MONVZA TECH

**MINI GP**  
MT - KMNGP







#### MECHANICAL

MT-WP030S

Application **Engine up to 100 cv 2T** | Material **Nylon**

Dimension **78x52 mm** | Weight **480 g**

Power/Consumption **12,6-16,8 volt/1,2 Ah**

Flow **30 l/min @ 16,8 volt**

PRICE WITH VAT 249 €









## Fight for **EVERY** second

### INSIDE THE KIT

MT-KMNGP

Water pump **MT-WP030S** | Cablaggi

Diagnostic Led | Smart Button

Anchorage brackets

PRICE WITH VAT 590 €

MONZATECH

# ELECTRONIC CONTROL UNIT

MT-CU-M



The electronic control unit lies at the heart of the system.

Thanks to algorithms developed by our engineers, **it can automatically manage the operation of the electric pump and the radiator fans.**

The case is made of CNC machined aluminium and is fully waterproof.

The engine's target temperature is pre-set in line with the bike's specifications and is easy to install thanks to the connectors compatible with the original ones.



## ATTRIBUTES

Management water pump MW70 e MWP180

Material **CNC** | Dimension **101x14x80 mm**

Can interface **YES** (2 Can) + Firmup | Weight **180 g**

Power/Consumption **10-18 volt/0,05 Ah**

PRICE WITH VAT 549 €



# ELECTRONIC WATER PUMP

MT- WP070



The **WP070** is an electric pump for the cooling system in thermal or electric engines.

Its DC engine ensures a maximum flow rate of 70 litres per minute with a pressure of 0.8 bar, enough to cool an **engine over 200hp**.

Its reduced dimensions and extreme robustness also permit installation on motocross, enduro, tourer and supersport bikes.

Its structure is made of billet aluminium combined with carbon fibre.



## ATTRIBUTES

Application **Engine up to 200 cv** | Weight **480 g**

Material **CNC+ Carbon** | Dimension **113x53 mm**

Can Interface **YES** if connected to the control electronics

Power/Consumption **13,8 volt/4,6 Ah** | Portata **70 l/min @ 13,8 volt**

PRICE WITH VAT 590 €



# DIAGNOSTIC LED

MT-LD-M



Its structure is made of billet aluminium combined with carbon fibre.

The diagnostic LED provides constant feedback on the operating status of the connected pump; the LED warns if the pump is on or off.

The LED is supplied with a CNC support bracket which can be easily installed on the motorcycle handlebar.



## SPECIFICHE

Dimension **Minimal**

Pump Hall Sensor Input

Management of multicolor leds

PRICE WITH VAT 119 €



# SMART BUTTON

MT- WP- SB



The smart button was developed for racing applications in systems equipped with battery power.

Depending on the version, it can be **interfaced with AIM dashboards to ensure automatic switching on and off of the system.**



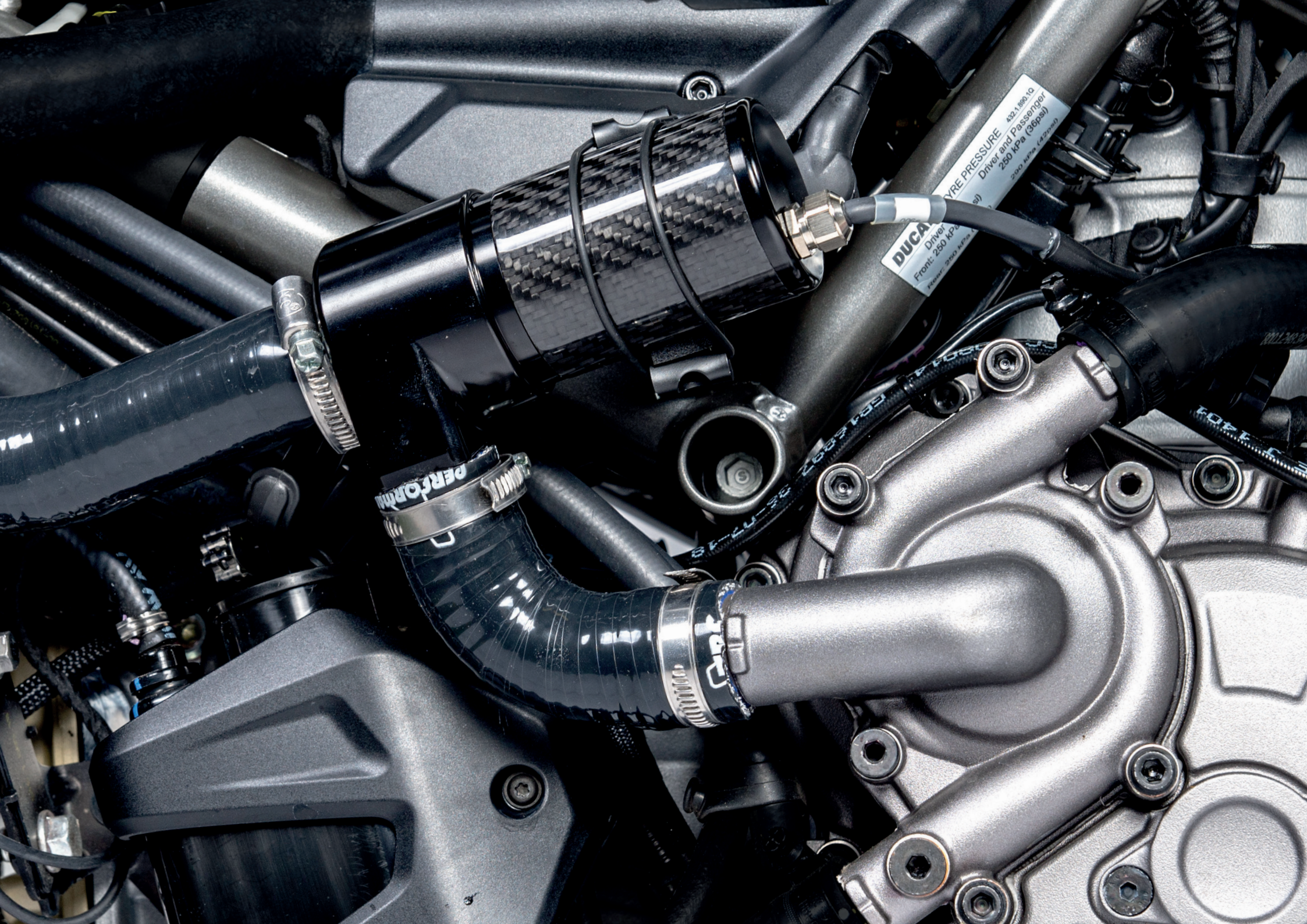
## SPECIFICHE

Power button applications for **MWP 030-030S-070**  
Automatic/manual interface **if connected to AIM system**  
Weight **45 g**

PRICE WITH VAT 149 €







TYRE PRESSURE 422.1 kPa (60.3 psi)  
Driver and Passenger  
250 kPa (36.3 psi)  
200 kPa (29.0 psi)  
DUCATI  
Driver  
Front: 250 kPa

PERFORMANCE

CP443307 35-77-18

CP443307 35-77-18





ESPOSIZIONE  
INTERNAZIONALE  
CICLO E MOTOCICLO

**MONZATECH** will be present

**7-10 NOVEMBER | RHO FAIR**  
the exposure **EICMA 2019**

**For appointments**

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