

# **HP Fuel Pump HDP 5**



- ► Max. 1.1 cm<sup>3</sup>/rot<sub>cam</sub>
- ▶ 200 bar
- ▶ 780 g
- ► Integrated Flow Control Valve
- ▶ Internal Pressure Relief Valve

The HDP 5 is a compact high pressure single piston pump. The design allows achieving a big delivery volume as well as high efficiency, as needed in motorsport applications. Modifications in the number of cam lobes and cam lifts allow different flow requirements to be addressed.

The HDP 5 is equipped with an internal pressure relief valve to limit the maximum fuel pressure. It does not require a fuel return line into the fuel tank.

The pump has an integrated demand control for metering the amount of fuel supplied into the high pressure fuel system. It can be ordered with a compact connector or a motorsport connector.

Depending on the requirements of your engine (e.g. fuel consumption over rotation ratio) we recommend different types of tappets, piston springs and cam profiles. Please notice: Fuel delivery and maximum driveshaft speed depend on cam profile and type of tappet.

# **Application**

For high pressure manifold injection or gasoline direct injection

# **Technical Specifications**

## **Mechanical Data**

Mass flow	Please see extra sheet
Efficiency	Please see extra sheet
Body design	Series
Flow capacity and max. engine speed	Depending on cam profile
Nominal pressure Standard version	200 bar
Weight	Approx. 780 g

Supply pressure	4 to 7 bar
Operating temperature	-40 to 120°C
Storage temperature	-40 to 70°C
Compatible fuels	Unleaded fuels, E22, E85, M15
Fuel temperature	80°C, short term 130°C
Max. vibration	$300\mathrm{m/s^2}$

Possible customization	
Rev B (iPRV)	500 bar or customization
Rev C (EVO)	= Rev B + reduced internal restrictions + introduction of EVO parts (outlet valve)
Rev D (Piston)	= Rev C + bigger piston diameter
Flange hole circle diameter	66 mm or 75 mm
Flange orientation	free
EL C. L. C. C. C.	
Electrical connector orient- ation	45° or customization
	45° or customization M14 x 1.5 or customization
ation Hydraulic connection	

# **Connectors and Wires**

Electrical connector design	
Motorsport wire + open end	
Motorsport wire + motorsport connector	

# **Installation Notes**

Mounting on cylinder head or adapter flag.

Available cam profiles on request.

Select the cam profile on fuel consumption requirements.

Avoid interference with FCV and hydraulic connections at flange

Avoid interference with flange at electrical connector orientation.

Please specify the electrical connector design and the wire length with your order.

# **Legal Restrictions**

Due to embargo restrictions, sale of this product in Russia, Belarus, Iran, Syria, and North Korea is prohibited.

# **Ordering Information**

## Standard version

Motorsport wire + compact connector Order number 0261.520.08F-01

#### Standard version

Motorsport wire + motorsport connector Order number F02U.V03.542-01

# Rev B (iPRV)

Order number on request

# Rev C (EVO)

Order number on request

## Rev D (Piston)

Order number on request

#### **Accessories**

## Flat tappet (26 mm)

Order number F02U.V01.156-01

## Roller tappet (26 mm)

Order number F02U.V01.163-01

# Represented by:

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