

# HP Fuel Pump HDP 5-FD

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- ▶ Max. 200 bar
- ▶ Max. 1.1 cm<sup>3</sup>/rot<sub>cam</sub>
- ▶ 780 g

The HDP 5-FD is a compact high pressure single piston pump. The design allows achieving a big delivery. Variations in the number of cam lobes and cam lifts allow different flow requirements to be addressed.

This type of high pressure fuel pump is not equipped with an internal pressure relief valve and therefore recommends a pressure regulation valve in the common rail to control the rail pressure and to avoid overload pressure.

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

Theoretical fuel delivery	0.5 to 1.1 cm <sup>3</sup> /rot <sub>cam</sub> (typical)
Nominal pressure	Max. 200 bar
Weight	Approx. 780 g

Max. speed at pump driveshaft	Depends on cam profile and type of tappet
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	600 m/s <sup>2</sup>

### Connectors and Wires

Mechanical connector intake side	M14x1.5
Mechanical connector pressure side	M14x1.5

### Installation Notes

Mounting on cylinder head or adapter flag.

Available cam profiles on request.

Please notice: Fuel delivery and maximum driveshaft speed depends on cam profile and type of tappet.

## Ordering Information

### HP Fuel Pump HDP 5-FD

Order number **0 261 B11 223-02**

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### Accessories

#### Flat tappet (26 mm)

Order number **F 02U V01 156-01**

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#### Roller tappet (26 mm)

Order number **F 02U V01 163-01**

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