

HP Fuel Pump HDP 5

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. Variations in the number of cam lobes and cam lifts allow different flow requirements to be addressed.

The HDP 5 has an integrated demand control for metering the amount of fuel supplied into the high pressure fuel system and an overpressure relief valve to limit the maximum fuel pressure. By metering the fuel into the high pressure system no fuel return line into the tank is needed.



Mechanical Data	
Theoretical fuel delivery	0.5 ... 1.1 cm ³ / rot _{cam}
Nominal pressure	up to 200 bar
Weight	approx. 780 g
Max. speed at pump driveshaft	3,500 ... 4,650 min ⁻¹
Supply pressure	4 ... 7 bar
Mounting on cylinder head or adapter flange	
Operating temperature	-40 °C ... +120 °C
Storage temperature	-40 °C ... +70 °C
Compatible Fuels	unleaded fuels, E22, E85, M15
Fuel temperature	80 °C (short-term 130 °C)
Max. vibration	up to 600 m/s ²

Connections	
Fuel inlet connection	M14x1.5
High pressure connection	M14x1.5

Application Hint
Please notice: Fuel delivery and maximum driveshaft speed depends on cam profile and type of tappet. Higher flow rates are only achievable at lower max. speeds.
Available cam profiles on request.

Part Numbers
HDP 5 with integrated control valve
F 02U V00 818-01