

## Fuel Pump FP 100

The FP 100 is an inline roller cell pump for the installation outside the fuel tank.

It is capable of providing 100 l/h at 5 bar. Bio-fuel can be delivered up to E85.

The main benefit of the FP 100 over a production type pump is the high delivery rate at high pressure.



Application	
Fuel delivery	> 100 l/h
Fuel pressure	5 bar
Pressure limiting valve	7 ... 12.5 bar rel.
Fuel compatibility	E85
Operating temperature range	-20 ... 90 °C
Storage temperature range	-40 ... 70 °C
Max. vibration	3 mm at 10 ... 18 Hz ≤ 40 m/s <sup>2</sup> at 18 ... 60 Hz

Mechanical Data	
Diameter	54 mm
Length	185 mm
Weight	725 g
Mounting	clamping

Electrical Data	
Delivery rate at 5 bar and 22 °C	118 ± 3 l/h
Supply voltage	6 ... 16.5 V
Operating voltage	13.8 V
Load current at 5 bar and 22 °C	6.0 ± 0.5 A

Characteristic	
Surface coating	none
Color	silver
Non-return valve	external
Fuel filtering	external, on pressure side

Connectors and Wires	
Electrical connector	+M4/-M5
Electrical mating connector	with ring wire M4 and M5
Mechanical connector intake side	M16x1.5
Mechanical connector pressure side	M12x1.5

Application Hint	
With E26/E85 or Diesel fuel run-time max. 500 h.	
For technical reasons the values may vary.	
Please use within the specified limit values only.	
Please find further application hints in the offer drawing ( <a href="http://www.bosch-motorsport.com">http://www.bosch-motorsport.com</a> ).	

Part Numbers	
FP 100	<b>Y 580 701 456-03</b>

**Characteristic delivery rate FP 100**
