

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 ² 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 (http://www.bosch-motorsport.com). | |

| Part Numbers | |
|--------------|-------------------------|
| FP 100 | Y 580 701 456-03 |

Characteristic delivery rate FP 100
