

## Fuel Pump FP 300/FP 300L

The FP 300 [1] represents the next generation of low-pressure inline fuel pumps. The internals of the pump are designed specifically for motorsport applications.

Higher fuel delivery (from modified rotor design), as well as an improved power-to-weight ratio are two of the advantages of this pump.

The pumps can be used for gasoline, Diesel and Bio-fuels. The FP 300L [2] has further weight reduction measures.



FP 300



FP 300L

Application	
Fuel delivery	>300 l/h
Fuel pressure	8 bar
Hot delivery decrease @ 95 °C, 13 V, 5 bar	-14.8 l/h (-4 %)
Pressure limiting valve	8.5 bar rel.
Fuel compatibility	E85/M100
Operating temperature range	-20 ... 90 °C
Storage temperature range	-40 ... 70 °C
Max. vibration	3 mm @ 10 ... 18 Hz ≤ 40 m/s <sup>2</sup> @ 18 ... 60 Hz

Mechanical Data	
Diameter	50 mm
Length	174 mm
Weight	[1] 714 g [2] 670 g
Mounting	clamping

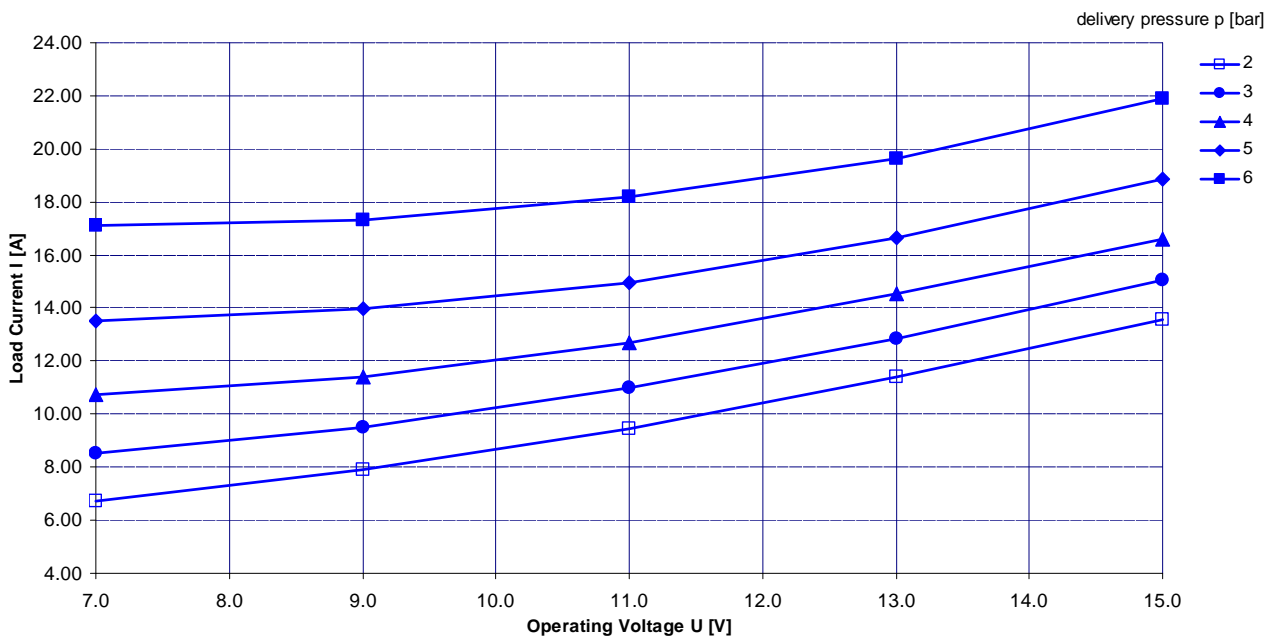
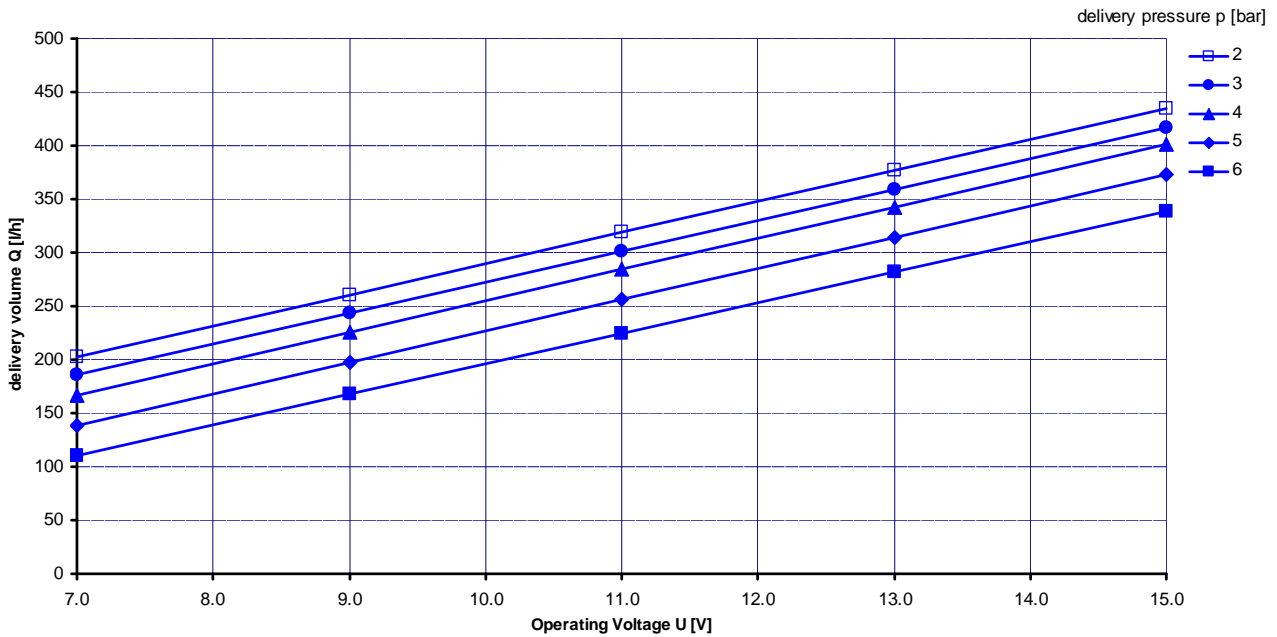
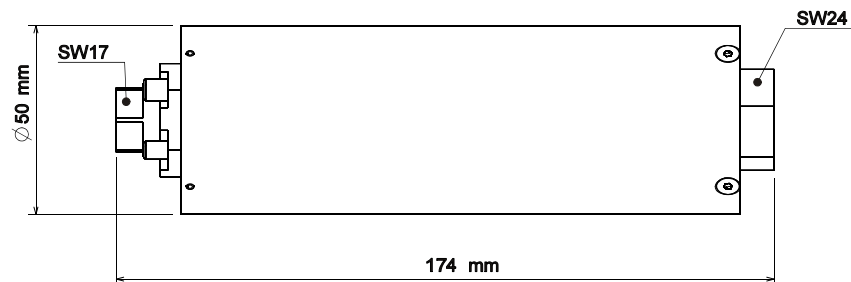
Electrical Data	
Delivery rate @ 5 bar and 22 °C	340 ± 1 l/h
Supply voltage	10 ... 16.5 V
Operating voltage	13.8 V
Load current @ 5 bar and 22 °C	17.3 ± 1 A

Characteristic	
Surface coating	anodized
Color	red
Non return valve	internal
Fuel filtering	internal

Connectors and Wires	
Electrical connector	+ M6/- M5
Electrical mating connector	with ring wire M6 and M5
Mechanical connector intake side	M18x1.5
Mechanical connector pressure side	M12x1.5

Application Hint	
Integrated pre-filter allows cleaning of filter by user.	
With E26/E85 or M100 fuel run-time max. 500 h.	
For technical reasons the values may vary.	
Please use only within the specified limit values.	
Please flush the pump with gasoline after use with Methanol fuel.	
Please find further application hints in the offer drawing ( <a href="http://www.bosch-motorsport.com">http://www.bosch-motorsport.com</a> ).	

Part Number	
FP 300	[1] <b>B 261 205 366-01</b>
FP 300L	[2] <b>F 02U V00 636-01</b>

**Characteristic delivery rate FP 300/FP 300L**

**Dimensions FP 300**


Dimensions FP 300L

