The **FP400** is a micro geared pump developed for UAV electronic fuel injection systems. It has been designed to satisfy the requirements of drones reliability, endurance and maintainability.

**Main features**
- Smart and robust design; a balance between performance and reliability
- Stainless steel gears, hard anodized aluminum housing, and specially designed FPM seals for a long lifetime
- Brushless motor with sealed self lubricated ball bearings; adequate for flammable environments
- Compatible with most fuels and oils (Jet-A1, JP-5, JP-8, Diesel, AVGas, comercial gasoline and methanol)

**Specifications**
- **Max. rated flow**: 18 l/h @ 2.5 bar
- **Max. working pressure**: 5 bar (burst pressure >10 bar)
- **Max. speed**: 18.000 rpm (do not run at this speed without fuel pressure)
- **Electrical interface**: 3x coil, 3x hall sensor, 1x sensor voltage (3…24VDC), 1x sensor GND
- **Fuel pipe**: 2 mm (internal diameter)
- **Rated power supply**: 12 VDC
- **Max. consumption**: 15 W @ 18.000 rpm and 2.5 bar
- **Weight**: 95 g (with 150 mm wires and connector)

(1) Always install a 50 µm filter in the suction line
(2) Use within the specified limits
(3) Do not run over 10 seconds without fuel
(4) It is recommended to run with the BMC03 controller from Moscat