



Designer of Aircraft Engines



Attachment to manuals for radial petrol engines VM / FM

PowerFuel RX Spritpumpe - electric fuel pump

Fiala

Fuel pump with a valve and improved engine .

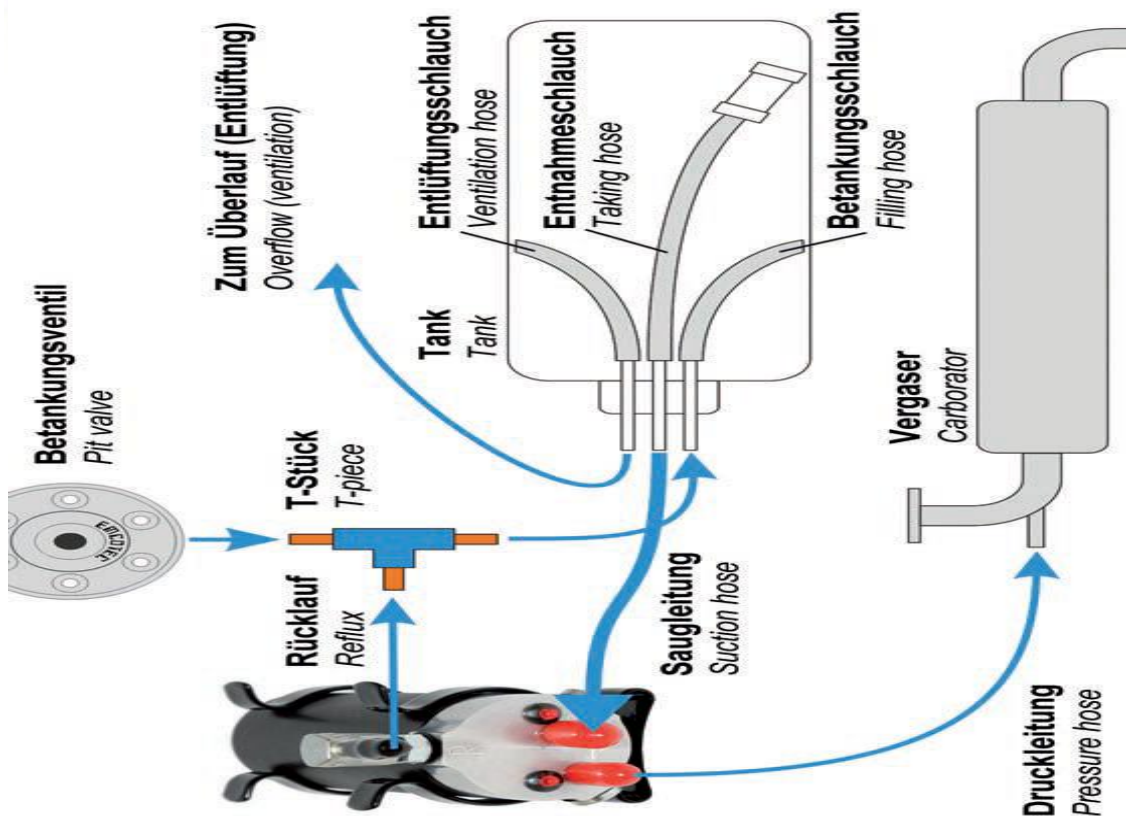
Construction

The pump can be attached to the model using the supplied clamps. If we assume for example. Aerobatic plane with high stress and vibration, please prefer to fix with a cable tie or similar.

Connecting the suction hose

Please observe that the suction tube should be as short as possible. Minimum inside diameter should not be less than 2.5 mm. Must use hose resists gasoline, for example. Tygon tubing, etc.

For more information see picture



E Wiring

Electrical connections Power Fuel RX must be connected to the socket "BAT" and if he uses extra battery, we recommend a capacity of about 2500 mAh 2S LiPo.

Supply voltage to the pump can be switched off, mainly because pump out of operation also drains from battery about 180 microvolts.

Connecting to the receiver

Power Fuel RX should be connected to a separate channel switchable receiver. It is not recommended to mix with another channel, such as the ignition. The cable from the Power Fuel RX plug into the receiver or an extra battery or plug in the distribution centre in the model.

Settings - Programming

Power Fuel RX may not be set before use. Slot programming jumper "IGN / PRG" which was needed for older types, are now used for internal purposes and must not be used.

First run

For the first start the pump Power Fuel RX only need to connect power and connection to the receiver. The amount of fuel can be controlled according to the engine between 30% and 60%.

Recommendation: Power Fuel RX can be operated two position switch. In this case, one position of the 0% and the second depending on engine between 30% and 60%.

Preset parameters

The factory set:

-1.1ms (-100%) To the starting position (no flow, device is turned off)

- 1,9ms (+ 100%) end position (maximum flow rate)

Technical specifications

Power supply 4.8 - 12V

The output of the servo signal from about 2V amplitude

Permitted pulse length +/- 100% (1.10 ms - 1.90 ms)

Temperature range 0 ° C - 70 ° C

Size approx 55 x 28 mm (without check valve)

Weight approx 96 g

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For more information, visit the site of engines: <http://www.fialaprop.com>

FIALA PROP s.r.o

Vysoká 56

75641 LEŠNÁ

Czech Republic

e-mail: info@fialaprop.cz

www.fialaprop.com