



Figure. S1.R Circuit scheme. The scheme was generated using the Fritzing program and then modified.

The scheme in **Figure. S1.R** contains an additional diode (labeled as RD on the scheme) connected in parallel to the solenoid valve. *FRI07* diode has been used in the proposed scheme. The purpose of the diode is to protect the circuit from the kick-back current created by inductive load that may interfere with the operation of some USB ports and cause interruptions in communications of the *Arduino* board with the computer over COM ports.