

91.2.3 Non-return valve - AMP 53

1. Pump for multiple sections use AMP 53. It is without low pressure solenoid valve but with non-return valve on the high-pressure side, so there is pressure on the feed pipe after stopping the pump. Program on PCB is changed so that pump starts when start signal comes, opposite solution for 1 section where low pressure solenoid valve opens 1 sec. before the pump starts.
2. Function with non-return valve and quick start of pump, has the function of starting up as soon as possible. No drips from nozzle in the startup phase and then the same operation situation for the first section as for all the next sections.
3. In practice, there may be many additional factors that have an impact on the final result, e.g. amount of air in the pipes, length of pipes, number of nozzles, size of nozzles, number of sections etc.

Pictures of the mounted non-return valve AMP 53:

