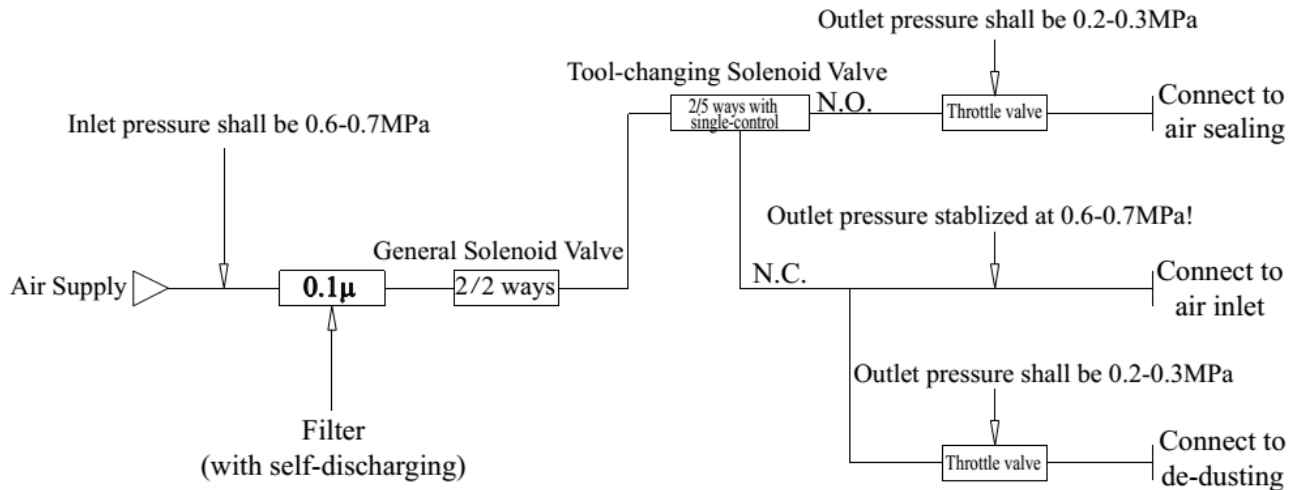


## Air Supply Connection and Description for Water-cooling Pneumatic Tool Changing Spindle



### Specifications:

1. The general solenoid valve is linked with the general switch of the machine tool; it shall connect with air once machine tool is started.
2. The N.O. air circuit of the solenoid valve of 2/5 ways with single control shall be connected to air sealing, and the N.C. air circuit shall be connected to inlet and de-dusting.

When the electric spindle completely stops, the tool-changing solenoid energizes to connect the N.C. air circuit to inlet. The other air circuit shall be connected to the de-dusting inlet, and the cylinder operates to complete the tool changing and the tool-changing de-dusting as well. The air sealing is closed by then. When the new tool handle enters into the cone hole of spindle, the tool changing solenoid valve de-energizes to close the inlet and de-dusting; the cylinder recover the spindle to lock the new tool handle; the air sealing is connected to air by then, and the tool changing action completed.

3. The pressure for tool changing needs to be stable; otherwise it would cause the instability of tool-changing signals.