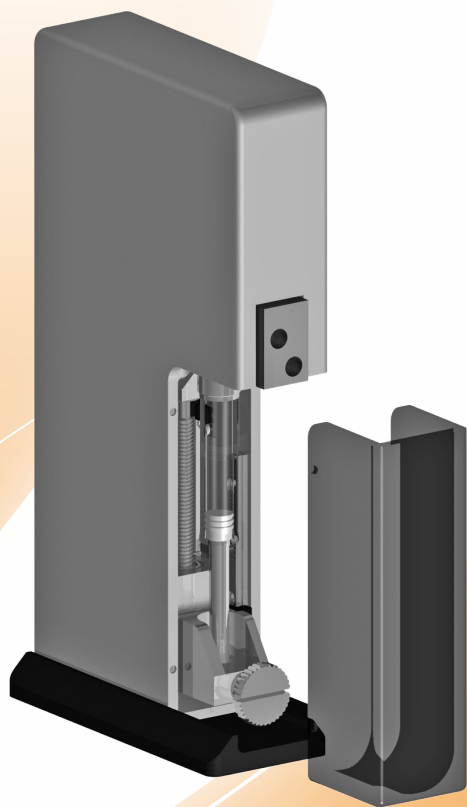




Piston Pump KK30



P i s t o n P u m p K K 3 0

Piston Pump KK30

Further Development

The KK30 piston pump is the result of the logical further development of the classic piston pump with rotary plug valve, with the advantage that the fragile rotary plug mechanism has been replaced by very modern solenoid valves.

The fluid behaviour is similar to that of the Y-type rotary plug valve.

In addition to a significantly higher switching speed, these valves allow considerably more switching cycles during their service life. Precision syringes with a dosing volume of 25µl up to 1ml in 6 steps can be used.

For the benefit of a compact construction, the servo motor piston stroke is 30 mm. A cascade of 8 KK30 piston pumps has an assembled width of only 235 mm.

Through the use of high-quality components a higher dosing accuracy and resolution are achieved. Simplified commands, similar to well known on common pumps in the laboratory usage, are processed in the controller.

The electrical supply is designed to be an external 24 V supply, the commands are transmitted via an RS 232 or RS 485 interface. Several pumps can be cascaded via RS 485.

Technical Data

Supply Voltage: 24 V DC

Interfaces: RS 232, RS 485

Injection Actuation (piston stroke): 30 mm

Pistons: 25µl, 50µl, 100µl, 250µl, 500µl und 1ml

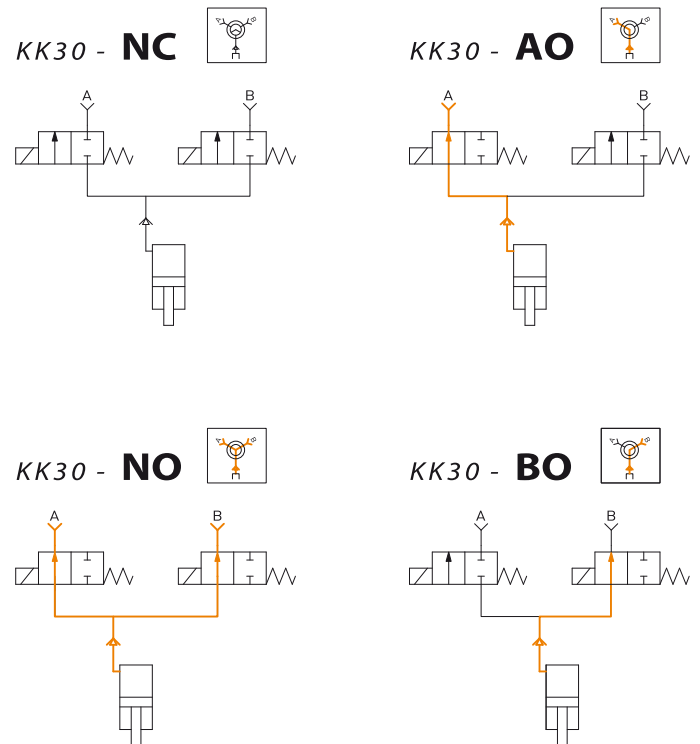
Hose Connections (A and B channels): 1/4"-28 UNF (Standard)

Dimensions: L: 173 x B: 29 x T: 92 mm

Servo motor piston positioning (no stepper motor)

Precision recirculating ball bearing guides and ball screwspindel

Fluid Control Schematic Diagrams



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