Low pressure series

Controller S-KD

For continuous delivery

- Pump controller for continuous delivery
- Good value 4-Q-DC servo amplifier
- Digital encoder regulator or IxR-compensation
- Compact metal housing
- Speed set with external potentiometer, external voltage signal or internal potentiometer
- Adjustable current delimiter
- Plug-in of mzr-pumps with universal adapter

The controller S-KD is recommended for continuous flow control in combination with a mzr-pump of the low pressure series. The 4-Q-DC servo amplifier enables to control the constancy of flow rate via motor speed using the encoder mode of operation. The compact housing can be installed in a 19" rack or on an assembly plate. The special mzr-pump adapter fits all pump connector types of the series. Speed can be adjusted either with an external potentiometer, an external voltage signal (±10 V, ±3.9 V) or with an internal potentiometer. An error signal can be retrieved.

Technical Data

Control	PI regulator for motor speed
Supply voltage U_B	24 V DC (12 – 30 V)
Max. output current	2 A
Max. power output	50 W
Speed	200 – 6000 rpm
Voltage connector	separable screw terminals
Pump connector	pin headers, 10-pole
Input »Set Value«	± 10 V, ± 3.9 V configurable
Status reading »Ready«	Open collector max. U_B / 20 mA Error: »Ready« = high resistance Ready: »Ready« = GND
Disable »Dis IN«	»Disable« min. U_B – 1 V »Enable« max. GND + 1 V
Operating temperature range	0 … +45 °C
Measurements (L x B x H)	approx. 114 x 100 x 34 mm
Weight	approx. 370 g

Subject to technical changes.

Item number

66 02 02 00	controller S-KD-21 with adapter for micro annular gear pumps mzr-2521 and mzr-2921
66 02 02 01	controller S-KD-22 with adapter for micro annular gear pump mzr-4622
66 02 02 02	controller S-KD-23 with adapter for micro annular gear pump mzr-7223

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