

Features

- 2 proportional PWM outputs (spinner, conveyor +reverse)
- Full transient suppression on all outputs
- Parameter based programming
- Programming key to protect calibration values
- 9 spinner and 9 conveyor settings
- Conveyor reverse function
- Material calibration for open and closed loop operation
- Pause and blast integrated into the selector dials
- Pause and blast indicators
- Remote pause and blast actuation
- Remotely located valve driver and microcontroller for a compact installation

Advanced Functions

- Large backlit LCD display
- On-screen descriptions of parameters
- Parameter adjustment through tactile buttons
- Adjustable blast setting
- On screen vehicle speed calibration
- 5 operator modes
- Auto-nulling in closed loop operation
- Audible error indication with text explanation
- Current compensated and protected outputs
- Solenoid and cable failure detection
- Firmware upgradeable via PC link

Microcontroller (RC-6/9) Electrical and Environmental Specifications

Spurious Interference	(Motor vehicle directive 95/54/EG)	100 v/m
Load Dump		max. 70 v
Temperature Housing	Operating	-40...80 °C
	Storage	-40...105 °C
Vibration Resistance	Sinusoidal (IEC 60086-2-6)	10 g / 57...2000 Hz
	Random (IEC 60086-2-36)	0.05 g ² / Hz; 30 min per axis
Shock Resistance	Transport (IEC 60068-2-27)	15g / 11ms; 3 x in each direction/axis (pos./neg.)
	Continuous (IEC 60068-2-29)	25 g / 6 ms; 1000 x in each direction/axis (pos./neg.)
Resistance	To moisture	95 % (+25 to +55 °C)
	To salt spray (IEC 60068-2-11)	72 h, 35 °C, 5 % NaCl
Type of Protection	(DIN / EN 60529) fitted with mating connector	IP 65

Rexroth CS 420 Solid Controller

03.2012



Two function, programmable closed loop controller for granular application

The CS 420 controller is a closed loop controller incorporating many advanced features. The large easy to read display shows operating information as well as error status messages. Conveyor and spinner functions have 9 settings with integrated Blast, Pause, and Stationary Unload functions on the dials. Remote pause and blast functions are available with the controller, and are accessible through a detachable cable assembly.

System setup and calibration is easily accomplished with on screen text defined parameters, and separate selection buttons. Vehicle speed and material calibration are easily set with on screen setup prompts. Error messages are text defined, and accompanied with an audible alarm indicator.