MAIN MENU
CONFIGURATION
-CONTROL MODE
-RUN PUMP

UP

DOWN

PRIME   ON/OFF   BACK   ENTER

S SERIES
PERISTALTIC PUMP

SMART TECHNOLOGY

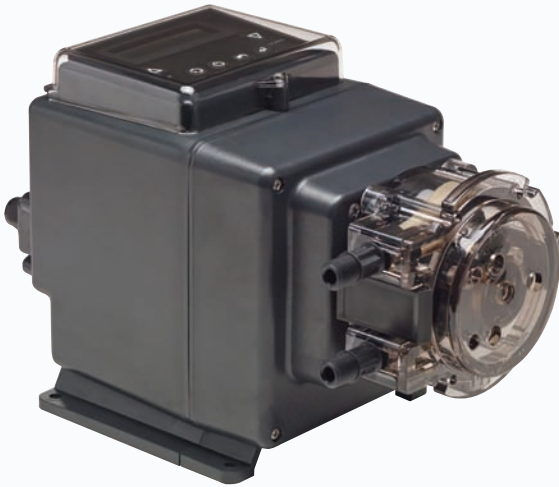### SIMPLE PROGRAMMING

SOLID CONSTRUCTION

For Demanding Applications

S SERIES
PERISTALTIC PUMP
For Demanding Applications

THE S SERIES INTERFACES WITH PROCESS CONTROL SYSTEMS UTILIZING A 4-20mA OUTPUT SIGNAL AND THREE RELAY OUTPUTS

Built to NEMA 4X for demanding applications. Select from multiple performance indicators and operational modes with intuitive programming and easy navigation. Fine-tune the pump to fit the application; monitor the pump for peace of mind. Prevent unauthorized access to programmed settings with the password protection.

SMART TECHNOLOGY

PERFORMANCE INDICATORS

Program the pump to respond based on a selected condition:

- Tube Leak
- Tube Change
- Standby
- Repeat Pulse
- Run
- Mode Change
- Low Signal
- High Signal
- Low Flow
- High Flow
- Drive Fault
- Signal Overrun
- Transfer
- Off

TUBE LEAK DETECTOR

- Can detect solution in the pump head, vertically or horizontally
- Program alarm indicator with option to stop pump upon alarm
- Calibrate the sensitivity to avoid false detection

Tube Leak

TUBE TIMER

Set the tube's life expectancy in hours. When the set time is reached, the display shows the tube change alarm indicator.

Tube Change

STANDBY

Program the transfer function to activate a relay to start a second S Series in Standby, as a back up to the primary pump.

Standby

SIMPLE PROGRAMMING

PUMP SIGNAL INPUTS

ANALOG	4-20mA	• Proportional response to a 4-20mA signal; scalable, invertible. • Speed varies to the signal level.
	0-10VDC	• Proportional response to a 0-10VDC signal; scalable, invertible. • Speed varies to the signal level.
DIGITAL	Pulse	• Accepts a dry contact or open collector type input signal from a controller or water meter. • Activates at the number of pulses received, to run for a set amount of time.
	Hall Effect	• Speed varies according to Hall Effect input from a controller or flow meter. • Program is based on meter's K factor, process flow range and desired pump output.
	PPM Feed Constant Flow	• Accepts a dry contact or open collector type input signal from a flow switch. • Program is based on the process flow rate, chemical concentration, chemical specific gravity and the desired ppm feed rate.
	PPM Feed Variable Flow	• Accepts a Hall Effect input from a flow meter. • Speed varies to maintain the desired ppm feed rate. • Program is based on meter's K factor, process flow range, chemical concentration, chemical specific gravity and desired ppm feed rate.
MANUAL	Manual	• Speed controlled manually. • Adjustable from 0% to 100% in 1% increments.
	7 Day / 24 Hour Timer	• Program with a clock in real time. • Run for a specific day, at a specific time, at speeds from 1% to 100%. • 24 independent events, any combination of days.
	Cycle Timer	• Run on a repeatable ON/OFF sequence.

PUMP SIGNAL OUTPUTS

ANALOG	4-20mA	• Produces a non-adjustable, proportional signal corresponding to the speed percentage the pump is running. 4mA=0% & 20mA=100%
DIGITAL	Relays	• Dry contact signal; program normally open or normally closed. • Indicate an alarm. • Repeat an incoming signal. • Transfer operation to another S Series pump in Standby.

S SERIES
PERISTALTIC PUMP
For Demanding Applications

SOLID CONSTRUCTION

- Brushless DC motor is equipped with ball bearing support
- Switch mode power supply is energy efficient
- Totally enclosed pump is outdoor rated
- OLED operating display is easy to navigate with intuitive programming
- QuickPro® pump head offers tube replacement without tools
- Splined shaft designed pump head & roller assembly allow smooth installation & replacement
- NEMA 4X, NSF 61 & 372, cULus indoor/outdoor, CE IP65

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MAXIMUM FLOW RATES
40 gpd, up to 100 psi / 151.4 lpd, up to 6.9 bar
85 gpd, up to 25 psi / 321.8 lpd, up to 1.7 bar

VOLTAGE
120 VAC, 60Hz
230 VAC, 50Hz

STENNER PUMPS BUILT WITH A STRONG WORK ETHIC

1. Self-priming against maximum working pressure
2. Can inject off-gassing solutions
3. No vapor lock or loss of prime
4. Easy tube replacement without tools
5. Uniquely manufactured solid one piece tube construction
6. Tube lubrication not required
7. Three point roller design assists with anti-siphoning
8. Output reproducibility
9. Output volume not affected by back pressure
10. Foot, prime or de-gassing valve not required