STENNER PUMPS®

S SERIES

PERISTALTIC PUMP

For Demanding Applications

SMART TECHNOLOGY

SIMPLE PROGRAMMING

SOLID CONSTRUCTION

INSTRUCTIONAL VIDEOS

stenner.com

S SERIES
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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 OLED display for 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

LEAK DETECT

The leak detecting components determine when solution is present in the pump head. When a leak is detected a tube icon will always appear on the display.

- The in-field sensitivity calibration feature and the optional time delay feature eliminates false alarms in wet or humid environments.
- Program the display alarm TUBE LEAK to appear when a leak is detected and select whether to stop the pump or let it continue to run.
- An output relay can be programmed to indicate the leak to another device or to transfer operation to a backup pump.

TUBE TIMER

The operator enters the desired number of hours the pump should run before the display alarm blinks “TUBE CHANGE”. Tube Timer has an option to program an output relay for indication to another device.

BACKUP PUMP

Program the primary pump to automatically transfer operation to the backup pump waiting in standby.

The backup pump will activate in the event of loss of power or a drive fault error or if programmed to stop the pump when a leak is detected.

S Series Primary Pump

S Series Secondary (Backup) Pump

SIMPLE PROGRAMMING

MODES OF OPERATION

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.
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 (batch dosing).
HALL EFFECT	• Speed varies according to Hall Effect input from a controller or flow meter.
PPM FEED CONSTANT FLOW	• Accepts a dry contact or open collector type input signal from a flow switch.
PPM FEED VARIABLE FLOW	• Accepts a Hall Effect input from a flow meter. • Speed varies to maintain the desired ppm feed rate.
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.

SIGNAL OUTPUTS

4-20mA	• Produces a non-adjustable, proportional signal corresponding to the speed percentage the pump is running. 4mA=0% & 20mA=100%
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.

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SOLID CONSTRUCTION

- Brushless DC motor with ball bearing support for durable & quiet operation
- Totally enclosed pump protects motor from environmental exposure
- OLED operating display is easy to navigate
- Pump head offers tube replacement without tools
- Pump head with splined shaft for expedient roller assembly installation
- NEMA 4X, NSF 61 & 372, cULus indoor/outdoor
- CE IP65 available
- NSF 50 available

Maximum Flow Rates & Pressure Rating

60 gpd, up to 100 psi / 227 lpd, up to 6.9 bar
150 gpd, up to 25 psi / 567 lpd, up to 1.7 bar

Voltage

120 VAC, 60Hz
230 VAC, 50Hz

THE STENNER ADVANTAGE

1. Self-priming against maximum working pressure
2. Can inject off-gassing solutions
3. No vapor lock or loss of prime
4. 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

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