

IMPORTANT SAFETY INSTRUCTIONS

When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:
READ AND FOLLOW ALL INSTRUCTIONS

⚠️ WARNING TO BE INSTALLED AND MAINTAINED BY PROPERLY TRAINED PROFESSIONAL INSTALLER ONLY. READ MANUAL & LABELS FOR ALL SAFETY INFORMATION & INSTRUCTIONS.

⚠️ WARNING Warns about hazards that CAN cause death, serious personal injury, or property damage if ignored.

⚠️ WARNING ELECTRIC SHOCK HAZARD

⚠️ WARNING RISK OF ELECTRIC SHOCK
 Connect only to a branch circuit protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.

⚠️ AVERTISSEMENT RISQUE DE CHOC ELECTRIQUE
 Brancher seulement à un réseau électrique protégé par un DDFI. Contactez un électricien certifié si vous ne pouvez pas vérifier que la prise est protégé par un DDFI.

⚠️ PELIGRO PELIGRO DE DESCARGA ELÉCTRICA
 Conecte a un circuito en derivación protegido por un interruptor de descarga a tierra (GFCI). Contacte a un electricista certificado si no puede verificar que su receptáculo esté protegido por dicho interruptor (GFCI).

⚠️ WARNING To reduce the risk of electric shock, replace damaged cord immediately. Contact the factory or an authorized service facility for repair.

⚠️ WARNING DO NOT alter the power cord or plug end. DO NOT use receptacle adapters.

⚠️ WARNING DO NOT use pump with a damaged or altered power cord or plug. Contact the factory or authorized service facility for repair.

⚠️ WARNING After installation, the power supply plug must be accessible during use.

⚠️ WARNING To reduce the risk of injury, do not permit children to use this product. This appliance is not to be used by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

⚠️ WARNING This pump has not been investigated for use in marine areas.

⚠️ AVERTISSEMENT La pompe n'a pas été vérifiée et approuvée pour utilisation sur des applications de installation marine.

⚠️ PELIGRO Este dosificador no ha sido investigado para uso en áreas marinas.

⚠️ WARNING EXPLOSION HAZARD
 This equipment IS NOT explosion proof. DO NOT install in an explosive environment.

⚠️ WARNING RISK OF CHEMICAL EXPOSURE AND OVERDOSE
 Potential for chemical burns, fire, explosion, personal injury, or property damage. To reduce risk of exposure, the use of proper personal protective equipment is mandatory. To reduce risk of overdosing, follow proper installation methods and recommendations. Check your local codes for additional guidelines.

⚠️ WARNING RISK OF FIRE HAZARD
 DO NOT install or operate on any flammable surface.

⚠️ WARNING Pump is not recommended for installation in areas where leakage can cause personal injury or property damage.

⚠️ CAUTION Warns about hazards that WILL or CAN cause minor personal injury or property damage if ignored.

⚠️ CAUTION To reduce risk of electric shock, pull plug before servicing this pump.

⚠️ CAUTION This pump has been evaluated for use with water only.

⚠️ CAUTION Non-submersible pump. Suitable for indoor and outdoor use.

⚠️ ATTENTION Pompe non submersible. Adaptée à une utilisation aussi bien à l'intérieur qu'à l'extérieur.

⚠️ CUIDADO Dosificador no sumergible. Adecuado para el uso interior y exterior.

⚠️ CAUTION PLUMBING
 Chemical feed pump installation must always adhere to your local plumbing codes and requirements. Be sure installation does not constitute a cross connection. Check local plumbing codes for guidelines.

⚠️ CAUTION Electrical installation should adhere to all national and local codes. Consult licensed professional for assistance with proper electrical installation.

⚠️ CAUTION Pump uses a class 2 switching power supply.

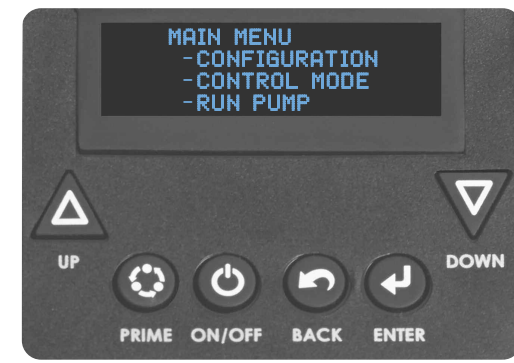
SAVE THESE INSTRUCTIONS

📌 NOTICE: Indicates special instructions or general mandatory action.

- 📌 This metering pump is portable and designed to be removable from the plumbing system without damage to the connections.
- 📌 This metering pump and its components have been tested for use with the following chemicals; Sodium Hypochlorite (10-15%), Muriatic Acid (20-22 Baume, 31.5% Hcl), and Soda Ash.
- 📌 Cette a pompe de dosage et ses composants ont été testés pour utilisation avec les produits chimiques suivants; Hypochlorite de Sodium (solution de 10-15%); Acide Muriatique (20-22 Baume, 31.5% Hcl); Cendre de Soude.
- 📌 Before installing or servicing the pump, read the pump manual for all safety information and complete instructions. The pump is designed for installation and service by properly trained personnel.
- 📌 No user replaceable parts inside.
- 📌 INTERTEK/ETL Tested for CE, IP65 rated pumps only, maximum altitude 2000 m.
- 📌 Read all safety hazards before installing or servicing the pump. The pump is designed for installation and service by properly trained personnel.
- 📌 Use all required personal protective equipment when working on or near a chemical metering pump.
- 📌 Install the pump so that it is in compliance with all national and local plumbing and electrical codes.
- 📌 Use the proper product to treat potable water systems, use only chemicals listed or approved for use.
- 📌 Inspect tube frequently for leakage, deterioration, or wear. Schedule a regular pump tube maintenance change to prevent chemical damage to pump and/or spillage.
- 📌 Recommended mounting is vertical with pump head pointed downward.

GENERAL INFORMATION

CONTROL PANEL



NAVIGATION BUTTONS
 The pump is controlled with 6 buttons. The chart indicates the function of each button on the control panel.

BUTTON	GENERAL FUNCTION	OPERATING MODE FUNCTION
UP	· Moves up in a menu · Toggles between menu options · Increases a value	Increases the speed percent in the MANUAL mode
DOWN	· Moves down in a menu · Toggles between options · Decreases a value	Decreases the speed percent in the MANUAL mode
PRIME	N/A	Runs pump at 100% speed while button is pressed
ON/OFF	N/A	Turns pump control ON or OFF WARNING: DOES NOT remove power
BACK	Moves one step back in a menu when permitted	Cycles the display through the units of output and the control mode specific parameters
ENTER	Sets a value	Press and hold for 2 seconds to go to the MAIN MENU

S SERIES PUMP S30 Models

ACCESSORIES

- 3 Connecting nuts 1/4" or 3/8"
 - 3 Ferrules 1/4" or 6 mm *Europe*
 - 1 Injection fitting 25 psi (1.7 bar) max. or duckbill check valve 100 psi (6.9 bar) max.
 - 1 Weighted suction line strainer 1/4", 3/8" or 6 mm *Europe*
 - 1 20' Roll suction/discharge tubing 1/4" or 3/8", white, UV black or 6 mm white *Europe*
 - 1 Additional pump tube
 - 2 Additional latches
 - 1 Mounting bracket
 - 1 Quick Start Guide
- Download complete S Series Manual www.stenner.com*

FLOW RATE OUTPUTS

25 psi (1.7 bar) maximum

Item Number Prefix	Pump Tube	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
S3003	3	100:1	0.40-40.0	0.017-1.67	2.13-213.0	0.036-3.56	1.51-151.0	0.063-6.31	63.09-6309.0	1.05-105.0
S3004	4	100:1	0.60-60.0	0.025-2.50	3.20-320.0	0.053-5.33	2.27-227.0	0.095-9.46	94.64-9464.0	1.58-158.0
S3005	5	100:1	0.85-85.0	0.035-3.54	4.53-453.0	0.076-7.56	3.22-322.0	0.134-13.41	134.07-13407.0	2.23-223.0

Approximate Outputs @ 50/60Hz

100 psi (6.9 bar) maximum

Item Number Prefix	Pump Tube	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
S3001	1	100:1	0.05-5.0	0.002-0.21	0.27-27.0	0.004-0.44	0.19-19.0	0.008-0.79	7.89-789.0	0.13-13.0
S3002	2	100:1	0.17-17.0	0.007-0.71	0.91-91.0	0.015-1.51	0.64-64.0	0.027-2.68	26.81-2681.0	0.45-45.0
S3007	7	100:1	0.40-40.0	0.017-1.67	2.13-213.0	0.036-3.56	1.51-151.0	0.063-6.31	63.09-6309.0	1.05-105.0

Approximate Outputs @ 50/60Hz

S SERIES PUMP S40 Models

ACCESSORIES

- 3 Connecting nuts 3/8"
 - 1 Injection ball check valve
 - 1 Weighted suction line strainer 3/8"
 - 1 20' Roll suction/discharge tubing 3/8", white or UV black
 - 1 Additional pump tube
 - 1 Mounting bracket
 - 1 Quick Start Guide
- Download complete S Series Manual www.stenner.com*

FLOW RATE OUTPUTS

25 psi (1.7 bar) maximum

Item Number Prefix	Pump Tube	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
S405X	5X	100:1	1.5-150.0	0.06-6.25	8.0-800.0	0.13-13.33	5.7-567.0	0.24-23.66	236.59-23659.0	3.94-394.0

Approximate Outputs @ 50/60Hz

100 psi (6.9 bar) maximum

Item Number Prefix	Pump Tube	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
S407X	7X	100:1	0.6-60.0	0.03-2.50	3.2-320.0	0.053-5.34	2.3-227.0	0.09-9.46	94.64-9464.0	1.58-158.0

Approximate Outputs @ 50/60Hz

📌 NOTICE: The information within this chart is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.

QUICK START GUIDE

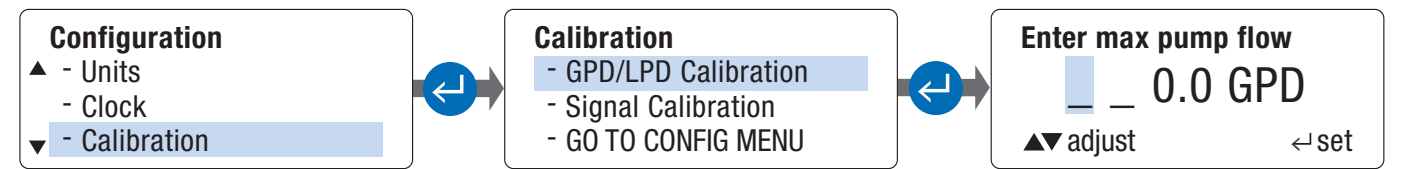
IMPORTANT! The Quick Start Guide is a summarized overview for the initial set-up. Refer to the S Series Manual for wiring & programming required for your specific application.

S Series Manual ➡ www.stenner.com or



1 Mandatory Calibration

From the Configuration menu, select GPD/LPD Calibration, and enter your pump's ACTUAL maximum flow rate output. Refer to illustration below.



IMPORTANT!

- The pump's ACTUAL maximum flow rate entry:
- Affects flow rate output displayed on the screen during operation in all modes.
 - Contributes to overall calculation of flow rate output in the PPM modes.

2 Program Applicable Pump Parameters

In Configuration menu, program applicable pump parameters, refer to chart below.

Pump Parameters	Description	Control Mode
Display Brightness	Optimal setting is < 50% for extended periods.	All
Units	Default is Gallons; enter Liters, if preferred.	All
Clock	24-hr format. Enter current time of day and day of the week.	All
Leak Detect	Calibrate sensitivity to distinguish between water & your chemical.	All
Tube Timer	Enter number of hours you want pump to run before display shows TUBE CHANGE.	All
Password	Program a password to prevent unauthorized changes to pump settings.	All
Output Relays	Three individual relays available; rated for 24VDC @ 50mA max. Program communication for: · S Series to back-up S Series · S Series to another device	All
Signal Calibration	<i>If factory settings are not sufficient</i> , calibrate the pump using a process meter or powered transmitter.	4-20mA, 0-10VDC
Reset Totalizer	Option to reset the total tallied amount of water treated.	Pulse, Hall Effect, PPM
Modbus Setup	Modbus RTU over RS-485 capability; pump firmware 3.02.02 or higher. Accessory MOD100 required for setup.	Manual, 4-20mA, 0-10VDC, Pulse

3 Select Mode of Operation

In Control Modes menu, select your mode of operation.

4 Program the Options

In your selected control mode, program the options relevant to your application.

5 Run the Pump

For assistance, contact techsupport@stenner.com or **904.641.1666** or **800.683.2378**.