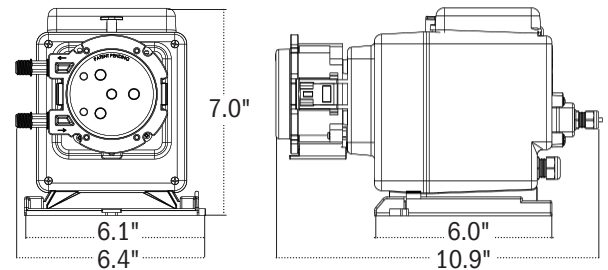
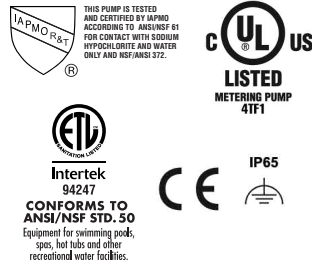
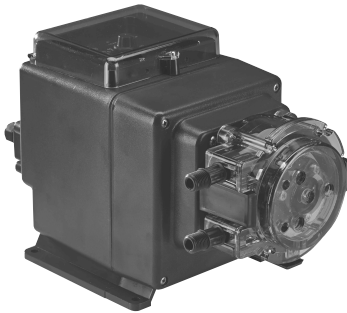


# S420 SERIES SPECIFICATIONS

**STENNER PUMPS®**

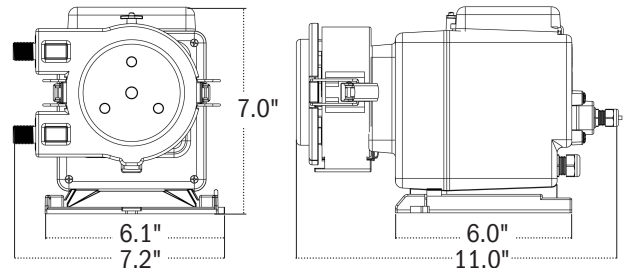
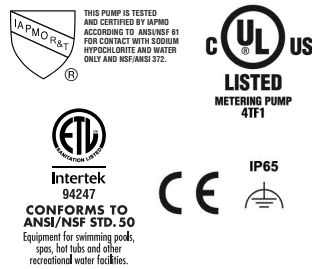
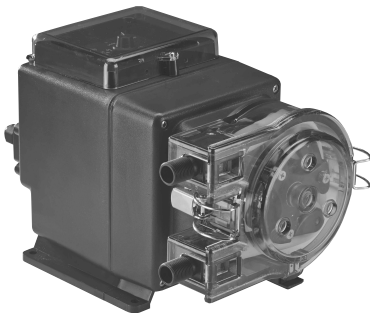
## S34 Models



Listings vary by model

Shipping Weight 9 lbs (3.7 kg)

## S44 Models



Listings vary by model

Shipping Weight 9 lbs (3.7 kg)

### FEATURES

- Controlled manually or by a 4-20mA input signal
- 20mA response is scalable to 25% of maximum speed
- Backup pump capability
- Leak detection with dedicated output relay
- Standby input option to stop or start pump remotely
- Dedicated output relay for run verification
- LED indicator lights
- Totally enclosed housing, NEMA 4X
- 2 year warranty
- Self-priming, does not lose prime or vapor lock
- Pumps off-gassing solutions and can run dry
- 3-point roller design assists with anti-siphon
- Tube replacement without tools
- Output reproducibility

### SPECIFICATIONS

- Flow Rate Output Control** 4-20mA input signal or manual
- Reproducibility** ±2%
- Maximum Working Pressure** 25 psi (1.7 bar), 100 psi (6.9 bar)
- Maximum Operating Temperature** 104°F (40°C)
- Maximum Suction Lift** 25 ft (7.6 m) vertical lift, based on water
- Motor Type** Brushless DC motor
- Shaft rpm** (average maximum) 45
- Duty Cycle** Continuous
- Maximum Viscosity** 1500 Centipoise
- Motor Voltage (Amp Draw)**  
120V 60Hz 1PH (0.6), 230V 60Hz 1PH (0.3), 230V 50Hz 1PH (0.3)
- Power Cord Type**  
120V 60Hz SJTOWA, 230V 60Hz SJTOWA, 230V 50Hz H05RN-F
- Power Cord Plug End**  
120V 60Hz 5-15P, 230V 60Hz 6-15P, 230V 50Hz CEE7/7
- Power Cord Length** 6 ft (1.8 m)
- Classification** Indoor/Outdoor

# S420 SERIES SPECIFICATIONS

**STENNER PUMPS®**

## MATERIALS OF CONSTRUCTION

**All Housings** Polycarbonate

**Pump Tube** Santoprene® (FDA approved), or Versilon®

### Check Valve Duckbill (S34)

Santoprene® (FDA approved), or Pellethane®

### Ball Check Valve Components (S44)

- Ceramic ball (FDA approved); Tantalum spring; FKM seat & O-ring OR
- Ceramic ball (FDA approved); Stainless steel spring; EPDM seat; Santoprene® O-ring

**Pump Head Rollers** Polyethylene

**Roller Bushings** Oil impregnated bronze

### Suction/Discharge Tubing, Ferrules 1/4" & 6 mm

Polyethylene (FDA approved)

### Tube Fittings, Injection Fittings

PVC or Polypropylene (both NSF listed)

### Connecting Nuts

PVC or Polypropylene (both NSF listed)

### 3/8" Adapter (S34)

PVC or Polypropylene (both NSF listed)

### Suction Line Strainer and Cap

PVC or Polypropylene (both NSF listed); ceramic weight

**All Fasteners** Stainless steel

**Pump Head Latches (S34)** Polypropylene

**Pump Head Latches (S44)** Stainless steel

**Leak Detect Components** Hastelloy®

NOTE: Refer to the chemical guide for material compatibility.

Santoprene® is a registered trademark of Exxon Mobil Corporation. Versilon® is a registered trademark of Saint-Gobain Performance Plastics. Pellethane® is a registered trademark of Lubrizol Advanced Materials, Inc. Hastelloy® is a registered trademark of Haynes International, Inc. .

## ACCESSORIES

### S34 MODELS

- 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 of 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 Manual

### S44 MODELS

- 3 Connecting nuts 3/8"
- 1 Ball check valve
- 1 Weighted suction line strainer 3/8"
- 1 20' Roll of suction/discharge tubing 3/8", white or UV black
- 1 Additional pump tube
- 1 Mounting bracket
- 1 Manual

## FLOW RATE OUTPUTS

### 25 psi (1.7 bar) maximum

Item Number Prefix	Pump Tube	Turndown 4-20mA	Turndown Manual Mode	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
<b>S3403</b>	3	100:1	20:1	40.0	1.67	213.0	3.56	151.0	6.31	6309.0	105.0
<b>S3404</b>	4	100:1	20:1	60.0	2.50	320.0	5.33	227.0	9.46	9464.0	158.0
<b>S3405</b>	5	100:1	20:1	85.0	3.54	453.0	7.56	322.0	13.41	13407.0	223.0
<b>S445X</b>	5X	100:1	20:1	150.0	6.25	800.0	13.33	568.0	23.66	23659.0	394.0

Approximate Outputs @ 50/60Hz

### 100 psi (6.9 bar) maximum

Item Number Prefix	Pump Tube	Turndown 4-20mA	Turndown Manual Mode	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
<b>S3401</b>	1	100:1	20:1	5.0	0.21	27.0	0.44	19.0	0.79	789.0	13.0
<b>S3402</b>	2	100:1	20:1	17.0	0.71	91.0	1.51	64.0	2.68	2681.0	45.0
<b>S3407</b>	7	100:1	20:1	40.0	1.67	213.0	3.56	151.0	6.31	6309.0	105.0
<b>S447X</b>	7X	100:1	20:1	60.0	2.50	320.0	5.33	227.0	9.46	9464.0	158.0

Approximate Outputs @ 50/60Hz

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**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. The information contained in this flyer is not intended for specific application purposes. Stenner Pump Company reserves the right to make changes to prices, products, and specifications at any time without prior notice.