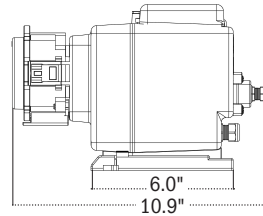
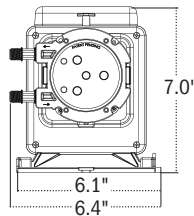
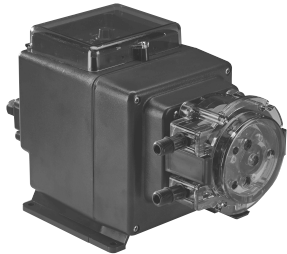


# S420 SERIES SPECIFICATIONS

STENNER PUMPS®

## S34 Models

Shipping Weight  
9 lbs (3.7 kg)



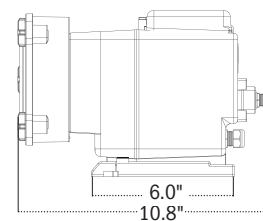
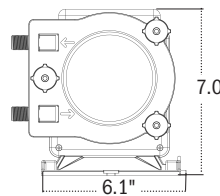
## AGENCY LISTINGS



Listings vary by model

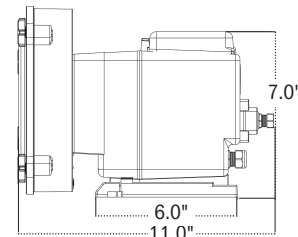
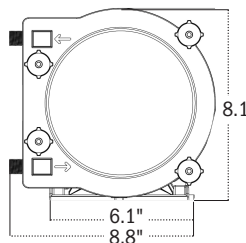
## S44 Models

Shipping Weight  
9 lbs (3.7 kg)



## S54 Models

Shipping Weight  
14 lbs (6.3 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
- Simple tube replacement
- 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 (S34, S54)** Santoprene® (FDA approved), or Versilon®  
(S44) Santoprene® (FDA approved)

**Check Valve Duckbill (S34)** Santoprene® (FDA approved), or Pellethane®

**Ball Check Valve Components (S44, S54)**

- 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 (S34, S44)** Polyethylene (S54) Polycarbonate

**Pump Head Guide Rollers (S44, S54)** Polyethylene

**Roller Bushings (S34, S44)** Oil impregnated bronze

**Roller Ball Bearings (S54)** Stainless steel

**Suction/Discharge Tubing, Ferrules** 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 Thumb Screws (S44, S54)** Stainless steel; PVC

**Pump Head Support and Transition Sleeve (S44, S54)** Santoprene®

**Tube Pull (S44, S54)** PVC

**Leak Detect Components (S34)** Hastelloy® (S44, S54) Hastelloy®; Stainless steel

NOTE: Refer to the chemical guide for material compatibility.

Santoprene® is a registered trademark of Celanese International 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 line  
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, S54 MODELS

- 3 Connecting nuts 3/8"
- 1 Ball check valve
- 1 Weighted suction line strainer 3/8"
- 1 20' Roll of suction/discharge line  
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
S3403	3	100:1	20:1	40.0	1.67	213.0	3.56	151.0	6.31	6309.0	105.0
S3404	4	100:1	20:1	60.0	2.50	320.0	5.33	227.0	9.46	9464.0	158.0
S3405	5	100:1	20:1	85.0	3.54	453.0	7.56	322.0	13.41	13407.0	223.0
S445X	5X	100:1	20:1	150.0	6.25	800.0	13.33	568.0	23.66	23659.0	394.0
S545G	5G	100:1	20:1	315.0	13.13	1680.0	28.00	1192.0	49.68	49684.0	828.0

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
S3401	1	100:1	20:1	5.0	0.21	27.0	0.44	19.0	0.79	789.0	13.0
S3402	2	100:1	20:1	17.0	0.71	91.0	1.51	64.0	2.68	2681.0	45.0
S3407	7	100:1	20:1	40.0	1.67	213.0	3.56	151.0	6.31	6309.0	105.0
S447X	7X	100:1	20:1	60.0	2.50	320.0	5.33	227.0	9.46	9464.0	158.0
S547G	7G	100:1	20:1	125.0	5.21	667.0	11.11	473.0	19.72	19716.0	329.0

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. 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.