

# SPECIFICATION SHEET: 85 PUMP SERIES

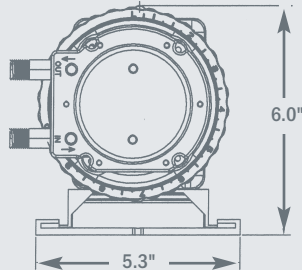
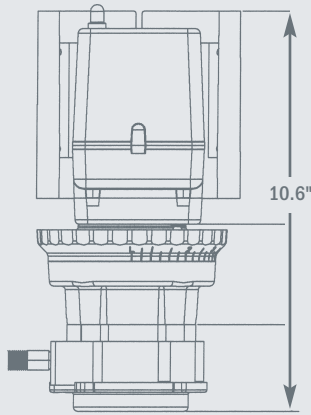
## STENNER PUMPS

### SINGLE HEAD ADJUSTABLE OUTPUT



#### MODELS

- 85MHP5      • 85M1
- 85MHP17    • 85M2
- 85MHP40    • 85M3
- 85M4
- 85M5



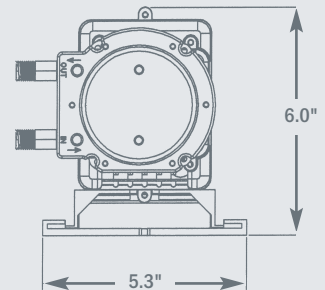
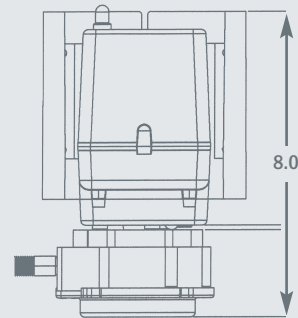
SHIPPING WEIGHT 8 lbs (3.6 kg)

### SINGLE HEAD FIXED OUTPUT

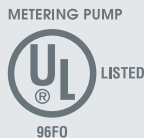


#### MODELS

- 85MPHP5      • 85MP1
- 85MPHP17    • 85MP2
- 85MPHP40    • 85MP3
- 85MP4
- 85MP5



SHIPPING WEIGHT 6 lbs (2.7 kg)



PRODUCT LISTINGS VARY BY MODEL. CONTACT FACTORY FOR DETAILS.

#### FEATURES

- Positive displacement pump
- 3-point roller design assists in anti-siphon protection.
- Pump head requires no valves, allows for easy maintenance.
- Self-priming against maximum working pressure, foot valve not required.
- Pump does not lose prime or vapor lock.
- Pumps off-gassing solutions and can run dry.
- Output volume is not affected by back pressure.
- Injection check valve included w/85MHP & 85MPHP models.
- Easy to change pump tube; lubrication is not required.
- Pump tubes and pump heads interchange between models.
- Models tested by WQA to conform to ANSI/NSF STD 61.
- Models tested by ETL to conform to ANSI/NSF STD 50.
- All pump accessories included allow a fast and easy installation.



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# STENNER PUMPS

## SPECIFICATIONS

### OUTPUT RANGE

adjustable models only, 5%-100%,  
2.5% increments

### MAXIMUM WORKING PRESSURE

**100psi (1.7 bar) for the following models**

85MHP5, 85MHP17, 85MHP40,  
85MPHP5, 85MPHP17, 85MPHP40

**25 psi (6.9 bar) for the following models**

85M1, 85M2, 85M3, 85M4, 85M5,  
85MP1, 85MP2, 85MP3, 85MP4, 85MP5

### MAXIMUM AMBIENT and FLUID TEMPERATURE

125°F (52° C)

### MAXIMUM SUCTION LIFT

25' vertical lift

### MOTOR TYPE

1/30 HP, shaded pole, class B

### FINAL MOTOR RPM

44

### DUTY CYCLE

Continuous

### MOTOR VOLTAGE (AMP DRAW)

120V 60Hz 1PH (1.7)  
220V 60Hz 1PH (0.9)  
230V 50Hz 1PH (0.9) International  
250V 50Hz 1PH (0.9) International

### POWER CORD PLUG END

120V 60Hz – NEMA 5/15, 230V 50Hz – CEE 7/VII  
220V 60Hz – NEMA 6/15, 250V 50Hz – CEE 7/VII

### WET END COMPONENTS

#### PERISTALTIC TUBE

Santoprene® \*FDA approved  
optional Tygothane®\*\* FDA approved

#### TUBE FITTINGS, COMPRESSION NUTS

Type 1 rigid PVC-NSF listed

#### SUCTION STRAINER & WEIGHT

Type 1 rigid PVC body, ceramic weight – NSF listed

#### SUCTION/DISCHARGE TUBING & FERRULES

LDPE polyethylene, NSF and FDA approved

#### CHECK VALVE (injection fitting & body)

Type 1 rigid PVC-NSF listed

#### CHECK VALVE DUCKBILL

Santoprene®\* FDA Approved  
Pellathane®† (w/Tygothane® tube)

### OTHER COMPONENTS

#### ALL PUMP HOUSINGS

GE Lexan®†† Polycarbonate

#### PUMP HEAD ROLLERS

LDPE

### ROLLER BUSHINGS

Bronze Oilite

### ALL FASTENERS

Stainless Steel

### POWER CORD TYPE

SJTOW

\*Santoprene® is a registered trademark of Advanced Elastomer System.

\*\*Tygothane® is a registered trademark of Saint-Gobain Performance Plastics.

†Pellathane® is a registered trademark of The Dow Company, Midland, MI.

††Lexan® is a registered trademark of General Electric. Consult General Electric for chemical resistance of Lexan®.

### ACCESSORY KIT SHIPPED WITH EACH PUMP

3 connecting nuts (1/4" or 3/8")

3 ferrules w/1/4" & 6mm OR 2 ferrules w/3/8"

1 injection check valve (100 psi) OR  
(1) injection fitting (25 psi)

1 weighted suction line strainer

1 20' roll of suction/discharge tubing  
1/4" or 3/8" in white or UV black  
6 mm Europe tubing in white only

1 spare pump tube

1 mounting bracket

1 manual

## 85 SERIES PUMP ADJUSTABLE OUTPUT

| Single Head Model | Maximum Pressure                      | Pump Tube Number | Approximate Outputs @ 60 Hz |                |                  |                 |                   |                        | Approximate Outputs @ 50 Hz |                 |                        |
|-------------------|---------------------------------------|------------------|-----------------------------|----------------|------------------|-----------------|-------------------|------------------------|-----------------------------|-----------------|------------------------|
|                   |                                       |                  | gallons per day             | liters per day | gallons per hour | liters per hour | ounces per minute | milliliters per minute | liters per day              | liters per hour | milliliters per minute |
| 85MHP5*<br>85M1   | 100 psi (6.9 bar)<br>25 psi (1.7 bar) | #1<br>#1         | 0.3 to 5.0                  | 1.1 to 18.9    | 0.01 to 0.21     | 0.05 to 0.79    | 0.03 to 0.44      | 0.76 to 13.13          | 0.9 to 15.1                 | 0.04 to 0.63    | 0.52 to 10.49          |
| 85MHP17*<br>85M2  | 100 psi (6.9 bar)<br>25 psi (1.7 bar) | #2<br>#2         | 0.8 to 17.0                 | 3.0 to 64.4    | 0.03 to 0.71     | 0.13 to 2.68    | 0.07 to 1.51      | 2.08 to 44.65          | 2.4 to 51.5                 | 0.10 to 2.15    | 1.67 to 35.76          |
| 85MHP40*<br>85M3  | 100 psi (6.9 bar)<br>25 psi (1.7 bar) | #7<br>#3         | 2.0 to 40.0                 | 7.6 to 151.4   | 0.08 to 1.67     | 0.32 to 6.31    | 0.18 to 3.55      | 5.27 to 105.14         | 6.1 to 121.1                | 0.25 to 5.05    | 4.24 to 84.10          |
| 85M4              | 25 psi (1.7 bar)                      | #4               | 3.0 to 60.0                 | 11.4 to 227.1  | 0.13 to 2.50     | 0.48 to 9.46    | 0.27 to 5.33      | 7.92 to 157.71         | 9.1 to 181.7                | 0.38 to 7.57    | 6.32 to 126.18         |
| 85M5              | 25 psi (1.7 bar)                      | #5               | 4.3 to 85.0                 | 16.3 to 321.8  | 0.18 to 3.54     | 0.68 to 13.40   | 0.38 to 7.55      | 11.32 to 223.40        | 13.0 to 257.4               | 0.54 to 10.73   | 9.03 to 178.75         |

The dial ring for adjustable pumps is marked L-10; L=5%, 1-10 indicates 10% increments of maximum output.

## 85 SERIES PUMP FIXED OUTPUT

| Single Head Model  | Maximum Pressure                      | Pump Tube Number | Approximate Outputs @ 60 Hz |                |                  |                 |                   |                        | Approximate Outputs @ 50 Hz |                 |                        |
|--------------------|---------------------------------------|------------------|-----------------------------|----------------|------------------|-----------------|-------------------|------------------------|-----------------------------|-----------------|------------------------|
|                    |                                       |                  | gallons per day             | liters per day | gallons per hour | liters per hour | ounces per minute | milliliters per minute | liters per day              | liters per hour | milliliters per minute |
| 85MPHP5*<br>85MP1  | 100 psi (6.9 bar)<br>25 psi (1.7 bar) | #1<br>#1         | 5.0                         | 18.9           | 0.21             | 0.79            | 0.44              | 13.13                  | 15.1                        | 0.63            | 10.49                  |
| 85MPHP17*<br>85MP2 | 100 psi (6.9 bar)<br>25 psi (1.7 bar) | #2<br>#2         | 17.0                        | 64.4           | 0.71             | 2.68            | 1.51              | 44.65                  | 51.5                        | 2.15            | 35.76                  |
| 85MPHP40*<br>85MP3 | 100 psi (6.9 bar)<br>25 psi (1.7 bar) | #7<br>#3         | 40.0                        | 151.4          | 1.67             | 6.31            | 3.55              | 105.14                 | 121.1                       | 5.05            | 84.10                  |
| 85MP4              | 25 psi (1.7 bar)                      | #4               | 60.0                        | 227.1          | 2.50             | 9.46            | 5.33              | 157.71                 | 181.7                       | 7.57            | 126.18                 |
| 85MP5              | 25 psi (1.7 bar)                      | #5               | 85.0                        | 321.8          | 3.54             | 13.40           | 7.55              | 223.40                 | 257.4                       | 10.73           | 178.75                 |

\*pump supplied with injection check valve for 26-100 psi applications

**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.