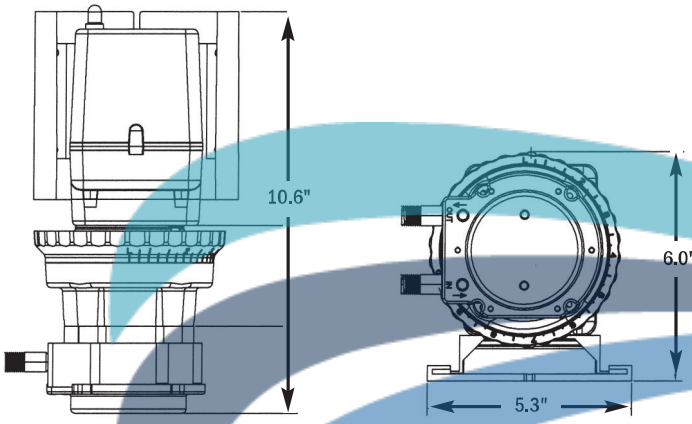
SPECIFICATION SHEET: 85 PUMP SERIES

STENNER PUMPS

SINGLE HEAD ADJUSTABLE OUTPUT

MODELS

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

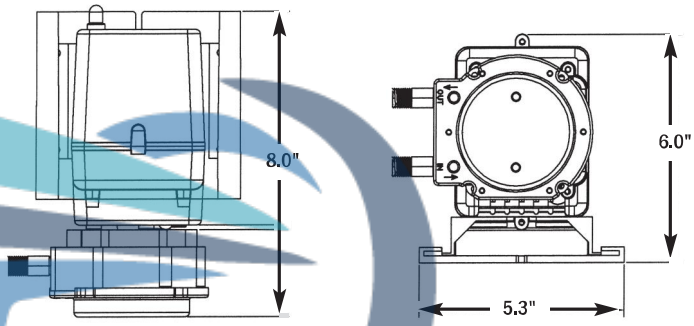


SHIPPING WEIGHT 9 lbs (4 kg)

SINGLE HEAD FIXED OUTPUT

MODELS

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



SHIPPING WEIGHT 8 lbs (3.6 kg)

METERING PUMP
UL LISTED
96F0

METERING PUMP
LR79585
NRTL /C

CE

IPX4

94247
SANITATION LISTED
CONFORMS TO
STD. NSF-50
CIRCULATION SYSTEM
COMPONENTS FOR SWIMMING
POOLS, SPAS, OR HOT TUBS

THIS PRODUCT HAS BEEN
TESTED AND CERTIFIED BY
THE WATER QUALITY ASSOCIATION
ACCORDING TO NSF/ANSI 61 FOR
MATERIALS SAFETY ONLY.

PRODUCT LISTINGS VARY BY MODEL. CONTACT FACTORY FOR DETAILS.

Aqua Integral
Agua para el futuro

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 with 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.
  Adjustable models tested by ETL to conform to ANSI/NSF STD 50.
- All pump accessories included allow a fast and easy installation.

STENNER®

Stenner Pump Company
3174 DeSalvo Road
Jacksonville, Florida 32246

Phone 904.641.1666
US Toll Free 800.683.2378
Fax 904.642.1012

www.stenner.com
sales@stenner.com

© Stenner Pump Company All Rights Reserved

SPECIFICATION SHEET: 85 PUMP SERIES

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®† (with Tygothane® tube)

OTHER COMPONENTS

ALL PUMP HOUSINGS
GE Lexan®†† Polycarbonate

PUMP HEAD ROLLERS
HDPE

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.
††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 1/4" or 6mm *Europe*
  OR **2** ferrules 3/8"
- **1** injection check valve 26-100 psi (1.7-6.9 bar)
  OR **1** injection fitting 0-25 psi (0-1.7 bar)
- **1** weighted suction line strainer
  1/4", 3/8" or 6mm *Europe*
- **1** 20' roll suction/discharge tubing
  1/4" or 3/8', white or UV black
  OR 6 mm white *Europe*
- **1** spare pump tube
- **1** mounting bracket
- **1** manual

85 SERIES PUMP ADJUSTABLE OUTPUT

			Approximate Outputs @ 60 Hz						Approximate Outputs @ 50 Hz		
Single Head Model	Maximum Pressure	Pump Tube Number	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* 85M1	100 psi (6.9 bar) 25 psi (1.7 bar)	#1 #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* 85M2	100 psi (6.9 bar) 25 psi (1.7 bar)	#2 #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* 85M3	100 psi (6.9 bar) 25 psi (1.7 bar)	#7 #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

*Pump supplied with injection check valve for 26-100 psi (1.7-6.9 bar) applications

85 SERIES PUMP FIXED OUTPUT

			Approximate Outputs @ 60 Hz						Approximate Outputs @ 50 Hz		
Single Head Model	Maximum Pressure	Pump Tube Number	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* 85MP1	100 psi (6.9 bar) 25 psi (1.7 bar)	#1 #1	5.0	18.9	0.21	0.79	0.44	13.13	15.1	0.63	10.49
85MPHP17* 85MP2	100 psi (6.9 bar) 25 psi (1.7 bar)	#2 #2	17.0	64.4	0.71	2.68	1.51	44.65	51.5	2.15	35.76
85MPHP40* 85MP3	100 psi (6.9 bar) 25 psi (1.7 bar)	#7 #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 (1.7-6.9 bar) 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.

Aqua Integral® Agua para el futuro