

Chemical Feed Pumps

45 Pump Series Single Head Adjustable Rate

How it Works

Stenner's adjustable metering pump is built with three detachable components: the motor, feed rate control and pump head. Outputs are dependent upon three factors: the rpm of the motor gears, the percentage setting on the feed rate control and the size of the peristaltic pump tube. All Stenner metering pumps have a 3-point roller design in the pump head, which acts as a check valve to prevent back flow, siphoning, overdosing and loss of prime.

The motor shaft rotates at a fixed rpm which drives the adjustable feed rate control to intermittently engage the roller assembly within the pump head. The chemical solution in the pump tube is captured between the rollers as they rotate and compress the tube. As the rollers advance, the squeezed tube section regains its original form and generates a vacuum, creating the self-priming feature that delivers a constant flow unaffected by the outlet pressure.



STENNER PUMPS

Advantages:

- ➔ Self-priming up to 25 feet does not lose prime
- ➔ Can pump off-gassing solutions
- ➔ Solutions contained in tube, not exposed to pump components or air
- ➔ Sub-assemblies fit together without tools, easy service or conversion to another model
- ➔ Pump head universal to all Stenner pumps
- ➔ Can run dry without damage
- ➔ Will not clog from dirt or debris
- ➔ Reproducible outputs within 2%
- ➔ Adjustable feed rate control from 5% - 100% in 2.5% increments
- ➔ Pump tubes accept a variety of chemical
- ➔ 1 Year Guarantee from date of manufacture

the patented mechanical feed rate control allows the pump's output to be scaled from 5% to 100% with the simple turn of the dial.

Chemical Feed Pumps

45MHP2

100 psi (6.9 bar)
max 3 gpd (11 lpd)

Outputs @ 60Hz

Gallons per day: 0.2 to 3.0
Gallons per hour: 0.01 to 0.13
Liters per day: 0.8 to 11.4
Liters per hour: 0.03 to 0.48
Ounces per minute: 0.02 to 0.27
Milliliter per minute: 0.56 to 7.92

Outputs @ 50Hz

Liters per day: 0.6 to 9.1
Liters per hour: 0.03 to 0.38
Milliliters per minute: 0.31 to 6.32

Maximum Operating Temperature

12° F (52° C)

Amp Draw

1.7 120V; 0.9 220V, 230V, 250V

Dimensions (l x w x h)

10.6 x 5.3 x 6.0 in
(26.9 x 13.4 x 15.2 cm)

Shipping Weight

9 lbs (4 kg)

45MHP10

100 psi (6.9 bar)
10 gpd (38 lpd)

Outputs @ 60Hz

Gallons per day: 0.5 to 10.0
Gallons per hour: 0.02 to 0.42
Liters per day: 1.9 to 37.9
Liters per hour: 0.08 to 1.58
Ounces per minute: 0.04 to 0.89
Milliliter per minute: 1.32 to 26.32

Outputs @ 50Hz

Liters per day: 1.5 to 30.3
Liters per hour: 0.06 to 1.26
Milliliters per minute: 1.04 to 21.04

Discharge Pressure

26-100 psi (1.7-6.9 bar)

Voltage

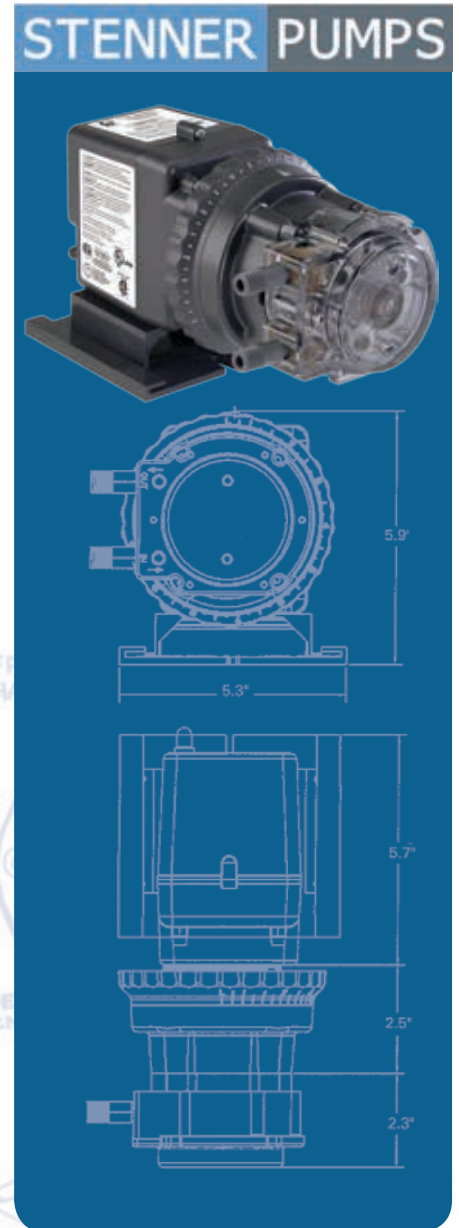
120V 60Hz; 220V 60Hz
230V 50Hz; 250V 50Hz International

Motor

shaded pole; 26 rpm; 1/30 HP

Suction Lift

25' (7.6 m)



Item #		Model	Tube	Feed Rate Setting: Outputs per day in US Gallons @ 60Hz										
CDN #	US #			L	1	2	3	4	5	6	7	8	9	10
11873	11873	45MHP2	#1	0.2	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
11874	11810													
11876	11809	45MHP10	#2	0.5	1	2	3	4	5	6	7	8	9	10
11879	11808													

Item #	Description
11873	45MHP2-110v, ¼" tubing
11874	45MHP2-220v, ¼" tubing
11876	45MHP10-110v, ¼" tubing
11879	45MHP10-220v, ¼" tubing