

Series 8800 Pump

Model: 88XX-2X01-E494

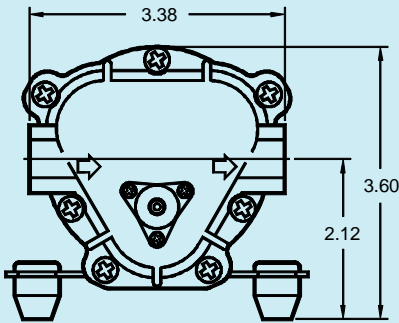
Flow Range: Open Flow = 1.85-2.38 LPM

At 130 PSI = .68 LPM

COMPLETING THE PART NUMBER:

88XX-2X01-E494

- Steel Mounting Plate (Other Types Available)
- Double Ball Bearing, EMI/RFI Motor
- See Performance Data for Recommended By-pass Pressure and Code
- By-Pass Pressure Relief Control Valve
- Select Pumphead Model From Performance Data Chart
- 3 = Open Ports for 3/8" Compression Fitting
- 4 = Push to Connect Ports for 1/4" Tubing
- 5 = Push-to-Connect Ports for 3/8" Tubing



SPECIFICATIONS:

MOTOR:

TYPE:

24 VDC, Permanent Magnet,
Totally Enclosed, Non-Ventilated

LEADS:

16 AWG, 30" LONG

TEMP. LIMITS:

For User Safety, Optimal Performance, and Maximum Motor Life, This Motor is Equipped with a Thermal Protector that Limits the Motor Shell Temperature to 145°F (63°C), as Shown on the Heat Rise Graph.

DUTY CYCLE:

See Heat Rise Graph

PUMP DESIGN:

3 Chamber Diaphragm Pump, Self Priming,
Capable of Being Run Dry

TYPICAL APPLICATION:

Industrial Grade Water Transfer

MATERIALS:

HOUSINGS:

Nylon

VALVES:

EPDM

DIAPHRAGM:

Santoprene

FASTENERS:

Stainless Steel

LIQUID TEMPERATURE:

170°F (77°C) Max.

PUMP CERTIFICATIONS:

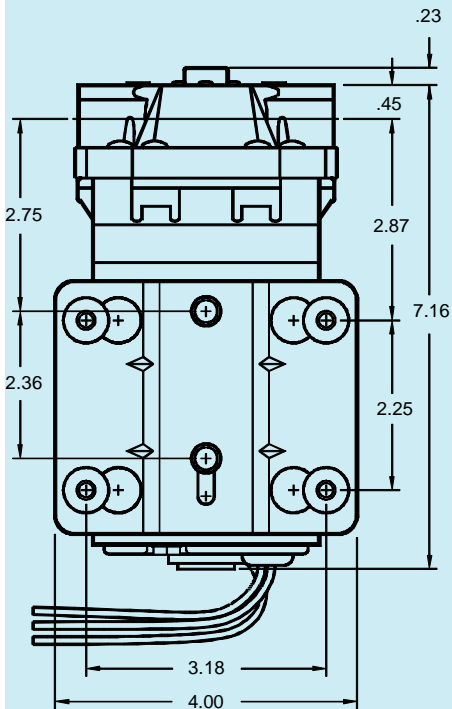
NSF Standard 58

PRIMING CAPABILITIES:

	88X0	88X1	88X2
PRIME (FEET)	4.5	5.5	7

FITTINGS:

TYPE	SHAPE	KIT NO.	CONNECTS TO...
3/8" COMPRESSION	STRAIGHT	25-145	3/8" TUBING
3/8" COMPRESSION	ELBOW	25-146	3/8" TUBING
3/8" STEM	STRAIGHT	25-144	3/8" JOHN GUEST PUSH-ON FITTING



WEIGHT: 6 lbs.



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17422 Pullman
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DOCUMENT:
ISSUED:
REVISED:

DS88XX-2X01-E494
9/6/00
9/27/00

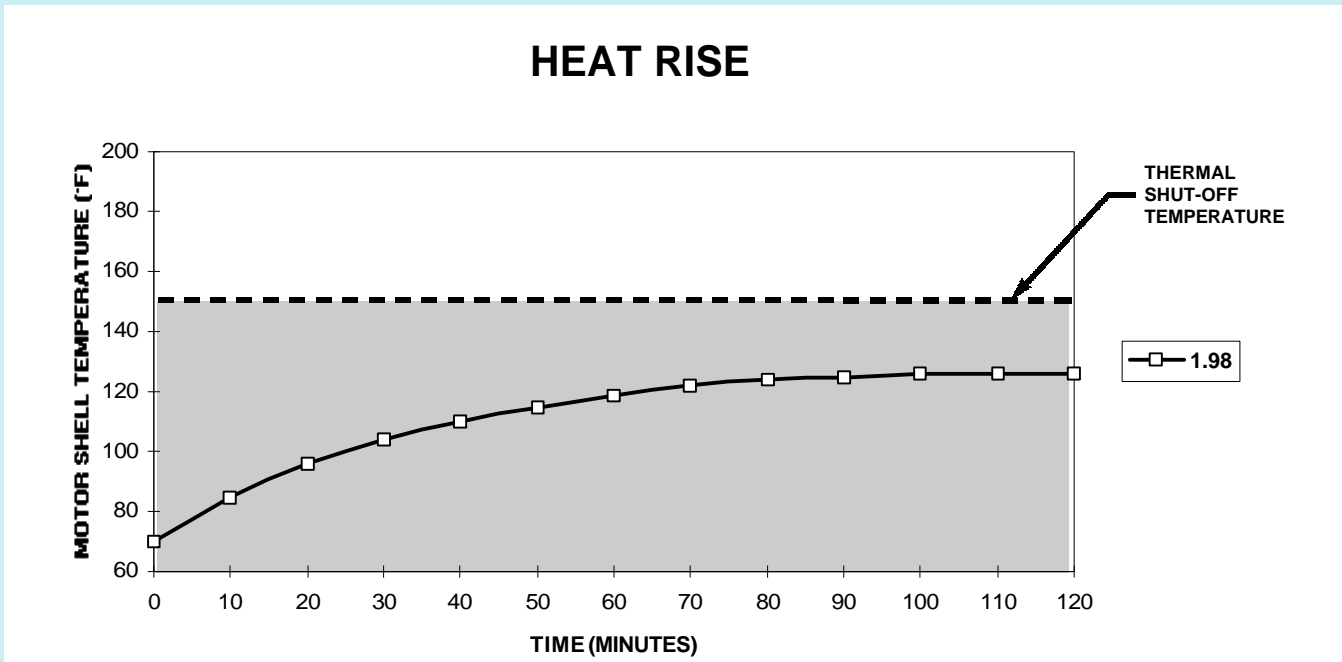
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Model: 88XX-2X01-E494

PERFORMANCE DATA								
DISCHARGE PRESSURE	PUMPHEAD MODEL						RECOMMENDED	
	88X0		88X1		88X2		BY-PASS PRESSURE	
(PSI)	FLOW (LPM)	CURRENT (AMPS)	FLOW (LPM)	CURRENT (AMPS)	FLOW (LPM)	CURRENT (AMPS)	PSI	CODE
130	0.68	1.32	0.68	1.49	0.68	1.98	160	P
120	0.75	1.28	0.76	1.43	0.83	1.88	150	N
110	0.87	1.21	0.87	1.34	1.02	1.78	140	M
100	0.95	1.16	0.95	1.26	1.25	1.70	130	L
90	1.06	1.09	1.13	1.17	1.51	1.56	120	K
80	1.13	1.02	1.21	1.09	1.70	1.43	110	J
70	1.21	0.94	1.32	0.99	1.81	1.30	100	I
60	1.32	0.87	1.40	0.91	1.89	1.18	90	H
50	1.40	0.79	1.47	0.81	2.00	1.06	80	G
40	1.44	0.71	1.51	0.73	2.15	0.93	70	F
30	1.51	0.63	1.59	0.64	2.23	0.81	70	F
20	1.63	0.53	1.66	0.53	2.27	0.68	70	F
10	1.78	0.44	1.78	0.42	2.34	0.56	70	F
OPEN	1.85	0.38	1.85	0.38	2.38	0.48	70	F

PERFORMANCE MEASURED WITH FLOODED INLET (0 PSI), 70°F (21°C) AMBIENT AND WATER TEMPERATURE, AND VOLTAGE CONTROLLED AT 24 VDC. POSITIVE INLET PRESSURE WILL INCREASE THE DISCHARGE PRESSURE BY A SIMILAR AMOUNT, FOR A GIVEN FLOW. MAXIMUM INLET PRESSURE IS 60 PSI.

SHADED AREA DENOTES CONTINUOUS OPERATION CAPABILITY AT DESIGNATED PRESSURE AND CURRENT.



All of the pump models in the Performance Data and Heat Rise charts are in the shaded area, meaning they are capable of sustaining continual running, at any of the above listed pressures, without shutting down to allow the motor to cool. To conserve wearing parts, however, the pump should only operate as needed.

ALL PERFORMANCE AND HEAT RISE FIGURES ARE APPROXIMATE. ACTUAL VALUES WILL VARY WITH AMBIENT CONDITIONS.