



*Agricultural/Industrial Chemical Spraying • Construction Equipment • Automotive Fluid Exchange  
Dust Suppression • Soft Washing • Fresh Water • Liquid Transfer*

## PRODUCT FEATURES

- Factory tested performance
- Superior vertical priming (8ft or 2.6m)
- Completely sealed motor
- 45 - 200 PSI (3 - 14 BAR) Pressure range
- 1.2 - 2.2 GPM (4.5 - 8.35 LPM) Flow range
- Ultra-efficient motor design
- Low heat and power consumption
- Capable of being run dry
- Fluid port options
- Material of construction options
- DC and AC voltage options

## PUMP PERFORMANCE (Performance May Vary)

3313/3323 (12 VDC)			
PSI	GPM	LPM	AMPS
OPEN	2.20	8.34	3.50
10	2.00	7.58	4.50
20	1.95	7.39	5.00
30	1.70	6.44	5.50
40	1.60	6.06	6.00
50	1.55	5.87	7.00
60	1.45	5.50	7.50
70	1.40	5.31	8.00
80	1.35	5.12	8.75
90	1.25	4.74	9.50
100	1.00	3.79	10.00

3311/3321 (12 VDC)			
PSI	GPM	LPM	AMPS
OPEN	1.20	4.55	3.50
10	1.10	4.17	4.25
20	1.05	3.98	4.50
30	1.00	3.79	5.00
40	0.95	3.60	5.25
50	0.90	3.41	5.50
60	0.80	3.03	5.50
70	0.75	2.84	5.75
80	0.65	2.46	6.25
90	0.55	2.08	6.50
100	0.50	1.90	7.00



## PUMP CONFIGURATIONS *(Contact Us For Additional Configurations)*

### 3300 STANDARD

Item Number	Flow	Controls	Pressure	Valves	Diaphragm	Ports	Voltage
3311-1E1-82B	1.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3311-2E1-82B	1.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3313-1E1-82B	2.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3313-2E1-82B	2.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3321-1E1-82B	1.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC
3321-2E1-82B	1.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC
3323-1E1-82B	2.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC
3323-2E1-82B	2.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC

### EXTREME DUTY

Item Number	Flow	Controls	Pressure	Valves	Diaphragm	Ports	Voltage
3311-1E3-82B	1.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	Geolast	3/4" QUICK ATTACH	12 VDC
3311-2E3-82B	1.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	Geolast	3/4" QUICK ATTACH	12 VDC
3313-1E3-82B	2.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	Geolast	3/4" QUICK ATTACH	12 VDC
3313-2E3-82B	2.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	Geolast	3/4" QUICK ATTACH	12 VDC
3321-1E3-82B	1.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	Geolast	3/8" FNPT	12 VDC
3321-2E3-82B	1.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	Geolast	3/8" FNPT	12 VDC
3323-1E3-82B	2.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	Geolast	3/8" FNPT	12 VDC
3323-2E3-82B	2.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	Geolast	3/8" FNPT	12 VDC

### 24 VDC

Item Number	Flow	Controls	Pressure	Valves	Diaphragm	Ports	Voltage
3311-1E1-73B	1.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	24 VDC
3311-2E1-73B	1.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	24 VDC
3313-1E1-73B	2.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	24 VDC
3313-2E1-73B	2.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	24 VDC
3321-1E1-73B	1.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	24 VDC
3321-2E1-73B	1.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	24 VDC
3323-1E1-73B	2.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	24 VDC
3323-2E1-73B	2.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	24 VDC

### 110/120 VAC

Item Number	Flow	Controls	Pressure	Valves	Diaphragm	Ports	Voltage
3311-1E1-52C	1.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	110/120 VAC
3311-2E1-52C	1.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	110/120 VAC
3313-1E1-52C	2.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	110/120 VAC
3313-2E1-52C	2.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	110/120 VAC
3321-1E1-52C	1.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	110/120 VAC
3321-2E1-52C	1.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	110/120 VAC
3323-1E1-52C	2.2 GPM (4.54 LPM)	DEMAND	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	110/120 VAC
3323-2E1-52C	2.2 GPM (4.54 LPM)	BYPASS	60 PSI (4.14 BAR)	VITON	SANTOPRENE	3/8" FNPT	110/120 VAC

### HIGH PRESSURE

Item Number	Flow	Controls	Pressure	Valves	Diaphragm	Ports	Voltage
3313-1I1-63B	2.2 GPM (4.54 LPM)	DEMAND	100 PSI (6.9 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3313-2I1-63B	2.2 GPM (4.54 LPM)	BYPASS	100 PSI (6.9 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3323-1I1-63B	2.2 GPM (4.54 LPM)	DEMAND	100 PSI (6.9 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC
3323-2I1-63B	2.2 GPM (4.54 LPM)	BYPASS	100 PSI (6.9 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC
3313-1K1-63B	2.2 GPM (4.54 LPM)	DEMAND	150 PSI (10.3 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3313-2K1-63B	2.2 GPM (4.54 LPM)	BYPASS	150 PSI (10.3 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3323-1K1-63B	2.2 GPM (4.54 LPM)	DEMAND	150 PSI (10.3 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC
3323-2K1-63B	2.2 GPM (4.54 LPM)	BYPASS	150 PSI (10.3 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC
3313-1L1-63B	2.2 GPM (4.54 LPM)	DEMAND	200 PSI (13.8 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3313-2L1-63B	2.2 GPM (4.54 LPM)	BYPASS	200 PSI (13.8 BAR)	VITON	SANTOPRENE	3/4" QUICK ATTACH	12 VDC
3323-1L1-63B	2.2 GPM (4.54 LPM)	DEMAND	200 PSI (13.8 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC
3323-2L1-63B	2.2 GPM (4.54 LPM)	BYPASS	200 PSI (13.8 BAR)	VITON	SANTOPRENE	3/8" FNPT	12 VDC

## PUMP INFORMATION

### TYPE

3 chamber diaphragm pump. Self priming and capable of being run dry.

### PRESSURE CONTROL

Demand  
Bypass  
No Controls  
Dual Controls

### LIQUID TEMPERATURE

140°F (60°C) Max

### PRIMING CAPABILITIES

8ft (2.4m)

### MAX PRESSURE

200 PSI (14 BAR)

### INLET/OUTLET PORTS

3/4" Quick Attach  
3/8" FNPT

### WEIGHT

6 lbs (2.7 kg)



## MOTOR INFORMATION

### TYPE

14 AWG, 7" long with 2-pin or custom connection

### TEMPERATURE LIMITS

Motor is not equipped with thermal protection. For user safety, optimal performance, and maximum motor life; the motor surface temperature should not exceed 180°F (82°C)

