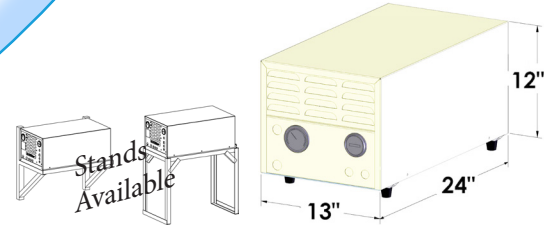


# ZONE Genie

HIGH PRESSURE PUMPS

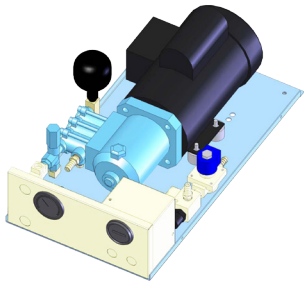
**SB & SE Series** Zone Genie pumps are single speed commercial quality high pressure pump systems. Built with only quality components, the SB and SE series pumps feature all the advanced system components necessary for long dependable pump life. Extended bypass with integrated thermal protection combined to help protect the pump from cavitation and over heating. The low pressure safety system protects the pump from fatal dry running. With top quality inlet valve, grade A pressure gauge, integrated hour usage meter, and ample control choices, the SE series represents the best high pressure pumps money can buy.

- ⊖ Catpumps® Industrial Grade Pumps, Leeson\* Industrial Motors
- ⊖ 20 Gauge Powder Coated Cabinet & Stainless Steel Hardware
- ⊖ Low Pressure, Thermal, & Pressure Relief Safety Systems
- ⊖ Grade A Pressure Gauge and Integrated Hour Meter
- ⊖ Variable up to 1250 PSI High Pressure Output
- ⊖ Maximum Efficiency in Single Speed System
- ⊖ Compatible With Any Switch Type Control
- ⊖ Internal Automatic Line Drain Valve
- ⊖ Integrated Pulsation Dampening\*
- ⊖ Cross Flow Ventilated Cabinet
- ⊖ Extended Bypass Loop



## SE vs SB Series

Both SE and SB series pumps are single speed pumps in the small housing. Both series include all the standard long-life safety features such as extended bypass and integrated thermal and low pressure safety systems as well as the integrated hour meter and control options. \*The SE series pumps feature several upgrades over the SB series, including an upgraded motor to a Leeson industrial duty motor and upgraded pulsation dampening system for extended seal life.



### Typical Pump Model Specifications

Model #	GPM	HP	Zones	Voltage	Phase	Amps	lbs
SB0500	0.50	0.5	0-3	120/240	1	10/5	80
SE0500	0.50	0.5	0-3	120/240	1	9/5	80
SB1100	1.10	1	0-3	120/240	1	15/8	90
SE1100	1.10	1	0-3	120/240	1	14/7	90
SB1500	1.50	1.5	0-3	120/240	1	20/10	100
SE1500	1.50	1.5	0-3	120/240	1	19/9	95
SB1750	1.75	1.5	0-3	120/240	1	20/10	100
SE1750	1.75	1.5	0-3	120/240	1	19/9	95
SB2200	2.20	2	0-3	240	1	11	110
SE2200	2.20	2	0-3	120/240	1	20/10	100
SB2850	2.85	2	0-3	240	1	11	110
SE2850	2.85	2	0-3	120/240	1	20/10	100

### SB & SE SERIES MODEL NUMBERS

Pump Size	Zones	Pressure Capability	Control	Voltage	Cord
SB 0500 (0.5 GPM) SE 1100 (1.1 GPM) 1500 (1.5 GPM) 1750 (1.75 GPM) 2200 (2.2 GPM) 2850 (2.85 GPM)	Blank (Single Outlet)	0 (1000 PSI 2.85 GPM Model Only) 2 (1200 PSI All Except 2.85 GPM)	S (Switch on Front) L (Low Voltage Control 24VAC)	1 (120V, 60Hz) 2 (240V, 60Hz - Required for 2.2 and 2.85 GPM)	Blank (Hard Wire Connection) C (120V Plug 15 amp, for 1.5, 1.75, 2.2 and 2.85 GPM 20 amp, or 240V plug type NEMA 6-20)

Example SE1100-2L1-C

### Installation

#### Placement - 16" X 24" Pad

Equipment pad or equivalent is required. Provide clearance for air flow and service access - leave 8" around the back for air intake and at least 24" on the right side for access to controls.

#### Electric Connection - Hard Wired or Cord

1/2" Electrical knock-outs are provided for both the main power connection and the control system connections. The pump can be factory outfitted with an appropriate 8' power cord.

#### Controls - Low Voltage or Switch

The pump is controlled by either a low voltage signal or a switch on the front of the cabinet. For low voltage control simply connect the on-board supplied 24VAC signal wires. Use any switch type mechanism (relay, contactor, standard switch) to control the connection. The control circuit draws 100mA at 24VAC. Low power requirements allow the pump to be directly controlled by home automation relay boards, or simple light switches bypassing the need for high amp contactors such as pool controllers.

#### Water Inlet Connection - Filtered

Sufficient filtration is required. Staged filtration is recommended, where 1 micron filtration is the final stage. Pump water supply connection is in the form of a 1/2" ID braided PVC hose for connection to filter outlet. Stainless steel hose clamp is included. Inlet water pressure: 25 PSI MIN, 70 PSI MAX.

#### High Pressure Outlet

The pump has one 1/4" Female NPT port, located inside the pump.

SB & SE Series

Single Speed

Single Outlet

0.5 - 2.85 GPM

Small Cabinet