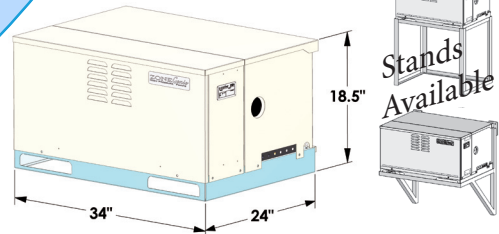


# ZONE Genie

HIGH PRESSURE PUMPS

**ZG Series** Zone Genie pumps are multiple outlet (Multi-Zone) high pressure pump systems. The outlet of the pump is comprised of a six to twelve station bank of high pressure solenoid valves. The pumps use Variable Frequency Drive (VFD) technology along with a pump pressure sensor to control the speed of the pump. Each outlet (zone) can operate independently. The VFD system will adjust the pump speed to provide exactly the required water flow rate to maintain the desired system pressure. Multi-speed pumps have multiple system pressure settings to allow for High - Low type applications. The result is an efficient extended life pump system with advanced capabilities.

- ⊖ Catpumps® Industrial Grade Pumps, Leeson Industrial 30 Motors
- ⊖ 20 Gauge Powder Coated Cabinet & Stainless Steel Hardware
- ⊖ Low Pressure, Thermal, & Pressure Relief Safety Systems
- ⊖ Maximum Efficiency with VFD Operation & Soft Start
- ⊖ Finger-safe Sub-panel & Integrated Circuit Protection
- ⊖ Power-ventilated Electrical and Motor Compartment
- ⊖ Variable up to 1250 PSI High Pressure Output
- ⊖ Compatible With Any Switch Type Control
- ⊖ Six to Twelve Independent Outlet Ports
- ⊖ Integrated Pulsation Dampening
- ⊖ Hour Usage Tracking



## Accessory Speed Control Device Technology

The ZG series pump has the power to operate up to external 120V appliances. Misting fans, coolers, pumps, etc. can all be controlled independently. Accessory control increases the power requirements of the pump. Each accessory has independent circuit protection. Each accessory is controlled with low voltage just like zones.

## Pressure Washer Multi-Mode

Create a permanent, always ready to go, property wide pressure washer system. Mist pumps and pressure washer pumps are both high pressure pumps. With the optional pressure washer mode, an additional outlet is routed to a single or multiple washing areas such as patios and garages. The pressure washer mode is activated with a switch next to each pressure washer port. Once activated, the pump is controlled by the trigger on the wand gun. Water delivery is limited by selected pump size and the set pump pressure.

### Typical Pump Model Specifications (No Accessory Control)

Model #	GPM	HP	Zones	Voltage	Phase	Amps	lbs
ZG1750	1.75	1.5	6-12	240	1	15	135
ZG2200	2.20	2	6-12	240	1	20	135
ZG2850	2.85	2	6-12	240	1	20	140
ZG3200	3.20	3	6-12	240	1	25	140
ZG4000	4.00	3	6-12	240	1	25	160
ZG5000	5.00	5	6-12	240	1	30	185

### ZG SERIES MODEL NUMBERS

Pump Size	Zones	Pump Type	Pressure Capability	Control	Voltage	Accessory Control
ZG1750 (1.75 GPM)	06 (6 Zones)	V (VFD Controlled Variable Speed)	0 (1000 PSI 2.85 GPM Model Only)	L (Low Voltage Control 24VAC)	2 (240V, 60Hz)	Blank No Accessory Control
ZG2200 (2.2 GPM)	07 (7 Zones)					
ZG2850 (2.85 GPM)	08 (8 Zones)	M (VFD with Multiple Speed Settings)	2 (1200 PSI All Except 2.85 GPM)	D (Low Voltage Control 24VDC)	3 (240V, 60Hz - 3 phase)	1 (1 Accessory Relay - DPST 1.5 HP 240V)
ZG3200 (3.2 GPM)	09 (9 Zones)					2 (2 Accessory Relay - DPST 1.5 HP 240V)
ZG4000 (4.0 GPM)	10 (10 Zones)					3 (3 Accessory Relay - DPST 1.5 HP 240V)
ZG4500 (4.5 GPM)	11 (11 Zones)					4 (4 Accessory Relay - DPST 1.5 HP 240V)
ZG5000 (5.0 GPM)	12 (12 Zones)					

### Installation

**Placement - 24" X 36" Pad**  
Equipment pad or equivalent is required. Bottom of cabinet is hollow and is used as an air intake. Provide clearance for air flow and service access - leave 6" around the sides and at least 24" in front for access to controls.

**Electric Connection - Hard Wired**  
1/2" and 3/4" Electrical knock-outs are provided for both main power connection, control system connections, and accessory connections. For power requirement on three phase models, contact the factory or visit us at [www.zonegenie.com](http://www.zonegenie.com).

**Controls - Low Voltage**  
The pump and each zone are controlled by low voltage signal. Simply connect the on-board supplied 24VAC signal to the terminal corresponding to each zone to activate the pump and the zone. Use any switch type mechanism (relay, contactor, standard switch) to control the connection. Each zone draws 50mA @ 24VAC. Pumps can also be controlled with external 24VAC sources such as a sprinkler timers. The low power requirements allow the pump to be directly controlled by home automation relay boards, bypassing the need for high amp relays 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 multi-zone outlet manifold has six to twelve 1/4" Female NPT ports. Pressure washer option has one 3/8" always open port for connecting pressure washer plumbing.

**Accessory Control**  
Models with accessory control simply include extra DPST 1.5 HP relay contactors which are controlled by the same control method as the zones.

Example ZG2200-06M-2L2-2

ZG Series

VFD

6 - 12 Zones

1.75 - 5 GPM

Large Cabinet