

# PUMPS

## Pump Control Panels, Dewatering Pumps & Check Valves

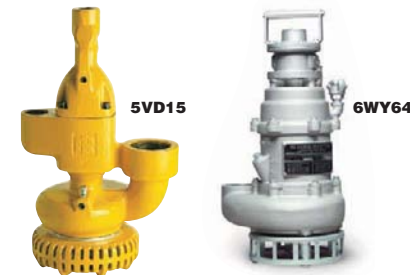
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Details on page A1.



### Pump Control Panels

Models are wall-mounted boxes with relays, switches, and breakers for controlling the start and stop cycling of sump and sewage pumps and attached alarms. These pump control panels use wiring to connect to the pump and allow for automatic or manual pump operation depending on the application.

Phase	Nominal Voltage (V AC)	Amps	For Use With	Encl. Type	Brand	Mfr. Model	Item No.
<b>Number of Pumps Controlled: 1</b>							
1	110, 208, 220	40	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VYN115PCP40	4FNY6
	110, 208, 220	0 to 20	—	NEMA 4X	Dayton	2PZG2	2PZG2
	110, 208, 220	0 to 20	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-1240V0020S	4FNY7
	110, 208, 220	7 to 15	—	NEMA 4X	Dayton	2PZG4	2PZG4
	110, 208, 220	7 to 16	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-1240V0716S	4FNY8
	110, 208, 220	15 to 20	—	NEMA 4X	Dayton	2PZG5	2PZG5
	110, 208, 220	15 to 20	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-1240V1520S	4FNY9
	110, 208, 220	20 to 30	—	NEMA 4X	Dayton	2PZG3	2PZG3
	220	20	4HEW7	NEMA 4X	Zoeller	10-2582	4DMG5
	220	32	—	NEMA 4X	Dayton	2PZF8	2PZF8
3	208, 220, 480	4 to 6.3	—	NEMA 4X	Dayton	2PZH1	2PZH1
	208, 220, 480	6 to 10	—	NEMA 4X	Dayton	2PZH2	2PZH2
	208, 220, 480	6.3 to 10	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-3480V0610S	4FNZ7
	208, 220, 480	9 to 13	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-3480V0913S	4FNZ8
	208, 220, 480	9 to 14	—	NEMA 4X	Dayton	2PZH3	2PZH3
	208, 220, 480	13 to 18	—	NEMA 4X	Dayton	2PZH4	2PZH4
	208, 220, 480	14 to 20	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-3480V1420S	4FNZ9
	208, 220, 480	23 to 32	—	NEMA 4X	Dayton	2PZF9	2PZF9
	220, 480	20	4HEW8	NEMA 4X	Zoeller	10-0353	4DMG6
	<b>Number of Pumps Controlled: 2</b>						
1	110	0 to 12	—	NEMA 1	Zoeller	10-0804	3GVK2
	110, 208, 220	0 to 20	—	NEMA 4X	Dayton	2PZG6	2PZG6
	110, 208, 220	0 to 20	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-1240V0020D	4FNZ2
	110, 208, 220	7 to 15	—	NEMA 4X	Dayton	2PZG8	2PZG8
	110, 208, 220	7 to 16	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-1240V0716D	4FNZ3
	110, 208, 220	15 to 20	—	NEMA 4X	Dayton	2PZG9	2PZG9
	110, 208, 220	15 to 20	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-1240V1520D	4FNZ4
	110, 208, 220	20 to 25	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-1240V2025D	4FNZ5
	110, 208, 220	20 to 30	—	NEMA 4X	Dayton	2PZG7	2PZG7
	208, 220, 480	1.6 to 2.5	Sub. Pump, No Switch	UL Type 4X	Hoffman	VS-3480V0103D	5GUT8
3	208, 220, 480	2.5 to 4	Sub. Pump, No Switch	UL Type 4X	Hoffman	VS-3480V0204D	5GUT9
	208, 220, 480	4 to 6.3	—	NEMA 4X	Dayton	2PH5	2PH5
	208, 220, 480	4 to 6.3	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-3480V0406D	4FPA1
	208, 220, 480	6 to 10	—	NEMA 4X	Dayton	2PZH6	2PZH6
	208, 220, 480	6.3 to 10	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-3480V0610D	4FPA2
	208, 220, 480	9 to 13	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-3480V0913D	4FPA3
	208, 220, 480	9 to 14	—	NEMA 4X	Dayton	2PZH7	2PZH7
	208, 220, 480	13 to 18	—	NEMA 4X	Dayton	2PZH8	2PZH8
	208, 220, 480	14 to 20	Sub. Pump, No Switch	NEMA 4X, UL Type 4X	Hoffman	VS-3480V1420D	4FPA4



### SANDPIPER ARO Pneumatic Utility and Dewatering Pumps

These self-priming and run-dry capable pumps operate at low speeds to handle mud, leaves, twigs, sand, sludge, trash-laden water, and soft solids without clogging or choking. They are powered by an air compressor and don't have an electric motor that produces sparks that may ignite flammable liquids. Pumps transfer moderate amounts of water on jobsites and accept an inlet hose so they don't have

to be placed in the water that needs to be drained. They are self-draining to prevent damage in below-freezing weather and have a continuous automatic lubricating internal oiler and an oil-batch-lubricated shaft seal. 5VD16 and 5VD15 have a screened inlet and an adjustable impeller and impeller cover to help maintain peak performance. All models have a cast-iron, 2-vane trash-type impeller. CE Certified.

Air Inlet Pressure	Max. Head	Discharge	Max. Diameter Solids	Body Material*	Impeller Material*	Max. Liquid Temp.	Flow Rate @ Ft. of Head			Brand	Mfr. Model	Item No.
							10	20	30			
80 psi	64.7 ft	3 in FNPT	1 1/2 in	AL	CI	160 °F	275.0 gpm	210.0 gpm	150.0 gpm	SANDPIPER	SMA3,GAM1.	6WY64
90 psi	90.0 ft	2 1/2 in FNPT	1/4 in	CI	CI	150 °F	85.0 gpm	75.0 gpm	70.0 gpm	Aro	P237A1-EU	5VD15
90 psi	240.0 ft	2 in FNPT	1/4 in	CI	CI	150 °F	240.0 gpm	230.0 gpm	225.0 gpm	Aro	P35A1-EU	5VD16

\* AL = aluminum, CI = cast iron.



### Dayton Zoeller Liberty Pumps Sump/Sewage Check Valves

Prevent backflow of sump disposal lines, wastewater lines, sewage lift stations, and ejector systems. They are used in combination with piston, diaphragm and metering pumps and commonly use ball check valves that combine balls and seats in the same valve body for a leak-free shutoff. For additional

sizes, go to Grainger.com and search for "sewage check valves."

**Klunkless 1XHVB**—A large "silencing air chamber" absorbs the clunking sound when the sump pump turns off.

Item	Size	Connec. Type	Material of Construc.*	Mounting Position	Brand	Item No.
Check Valve	1 1/4" or 1 1/2"	Slip Union	TPR	Vertical	Dayton	4UN79
Check Valve with Ball Valve	1 1/2"	Socket	PVC	Vertical	Dayton	4RG92
	1 1/2"	Socket	PVC	Vertical or Horizontal	Zoeller	12U355
Check Valve with Ball Valve and Union	2"	Socket	PVC	Vertical	Dayton	4RG93
	2"	Socket	PVC	Vertical or Horizontal	Zoeller	12U356
Check Valve with Union	1 1/2"	Socket	PVC	Vertical or Horizontal	Zoeller	5CZG9
	2"	Socket	PVC	Vertical or Horizontal	Zoeller	5CZ10
Full Flow Check Valve	1 1/2"	Socket	PVC	Vertical or Horizontal	Zoeller	5CZH1
	2"	Socket	PVC	Vertical or Horizontal	Zoeller	5CZH2
	1 1/4" or 1 1/2"	Slip x Slip	PVC	Vertical or Horizontal	Zoeller	2P843
	1 1/2"	Solvent Weld	PVC	Vertical or Horizontal	Zoeller	6JGV5
High Temp. Swing Check Valve	2"	FNPT	CI	Vertical or Horizontal	Zoeller	2P845
	2"	Slip x Slip	PVC	Vertical or Horizontal	Zoeller	2P844
	3"	Compression	PVC	Vertical or Horizontal	Zoeller	5CZG8
Klunkless Check Valve	3"	Solvent Weld	PVC	Vertical or Horizontal	Zoeller	6JGV7
	1 1/4" or 1 1/2"	Slip Union	ABS	Vertical	Liberty Pumps	4DKK7
Screw-In Check Valve	1 1/4" or 1 1/2"	MNPT	TPR	Vertical	Liberty Pumps	4DKK8
	2"	Solvent Weld	PVC	Vertical	PHCC Pro Series	1XHVB
Silent Check Valve	2"	Solvent Weld	PVC	Vertical or Horizontal	Dayton	4UN78
Swing Check Valve	1 1/2"	Compression	PVC	Vertical or Horizontal	Zoeller	6JGV6
	2"	Compression	PVC	Vertical	Dayton	4RG88
True Union Swing Waste Water Check Valve	1 1/2"	Socket	PVC	Vertical	Dayton	4RG89
	2"	Compression	PVC	Vertical	Dayton	4RG90

\* ABS = acrylonitrile butadiene styrene, CI = cast iron, PVC = polyvinyl chloride, TPR = thermoplastic rubber.