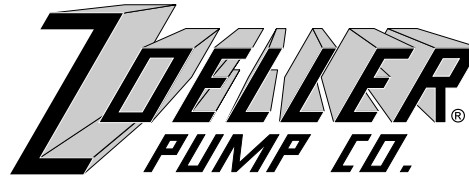


"QUALITY PUMPS SINCE 1939"



SECTION: 3.10.020

FM0541

0503

Supersedes

0101

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

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BASIN SYSTEMS & RECOMMENDED SIZES FOR ZOELLER PUMPS

SIMPLEX SYSTEMS		
SYSTEM	PUMP	RECOMMENDED BASIN SIZE*
AUTOMATIC PUMP	50 & 90 Series	18" X 22" deep 18" X 30" deep
	130 & 260 Series	18" X 30" deep
	160, 180, 280 & 290 Series	24" X 30" deep
*NONAUTOMATIC PUMP WITH PIGGYBACK VARIABLE LEVEL FLOAT SWITCH	50 & 90 Series	18" X 22" deep 18" X 30" deep
	130, 140, 160, 180 260, 270, 280 & 290 Series	24" X 30" deep
	405 Series	36" X 36" deep
AUTOMATIC PUMP WITH ALARM SYSTEM	50 & 90 Series	18" X 22" deep 18" X 30" deep
	130 & 260 Series	18" X 30" deep
	160, 180, 280 & 290 Series	24" X 30" deep
GRINDER PUMPS	820 & 840 Series	24" X 36" deep (Indoor) 24" X 60" deep (Outdoor)
DUPLEX SYSTEMS		
SYSTEM	PUMP	RECOMMENDED BASIN SIZE*
*TWO NONAUTOMATIC PUMPS WITH MECHANICAL ALTERNATOR	50, 90, 130, 140, 260, 270 Series	30" X 36" deep
	160, 180, 280 & 290 Series	36" X 36" deep
	405 Series	60" X 48" deep
*TWO NONAUTOMATIC PUMPS WITH ELECTRICAL ALTERNATOR	50, 90, 130, 140, 260, 270 Series	30" X 36" deep
	160, 180, 280 & 290 Series	36" X 36" deep
	405 Series	60" X 48" deep
GRINDER PUMPS	820 & 840 Series	36" X 36" deep (Indoor) 36" X 60" deep (Outdoor)

* Recommendation for basins are based on nominal pump output. Check pump cycle time and system load for each installation. 15 Seconds minimum run time is recommended. For additional information on Two Pump Systems see FM0848.

TYPICAL SIMPLEX & DUPLEX SYSTEM

SINGLE PHASE	THREE PHASE
<u>SIMPLEX SYSTEM</u>	
<p><u>STANDARD</u> (1) Automatic Pump (1) Unicheck (1) Simplex Fiberglass, Polyethylene or Polyethylene Structural Foam Basin</p> <p><u>LONG CYCLE</u> (1) Nonautomatic Pump (1) Piggyback Variable Level Float Switch (1) Unicheck (1) Simplex Fiberglass, Polyethylene or Polyethylene Structural Foam Basin</p>	<p><u>STANDARD & LONG CYCLE</u> (1) Nonautomatic Pump (1) Combination Starter/Simplex Panel (1) Piggyback Variable Level Float Switch (3) Control Switches (1) Unicheck (1) Simplex Fiberglass, Polyethylene or Polyethylene Structural Foam Basin</p>
<u>OPTIONAL ALARMS FOR SIMPLEX SYSTEM</u> (wire on a separately fused single phase circuit)	
<p>(1) 10-0053, Alarm Kit or (1) 10-0015 115V, or 10-0016 200-208 or 230 V/1Ph Alarm and (1) 10-0225 Variable Level Control Switch</p>	<p>(1) 10-0053, Alarm Kit or (1) 10-0015 115V, or 10-0016 200-208 or 230 V/1Ph Alarm and (1) 10-0225 Variable Level Control Switch</p>
<u>DUPLEX SYSTEM WITH ELECTRICAL ALTERNATOR</u>	
<p>(2) Nonautomatic Pumps (1) Electrical Alternator Panel (3 or 4) 10-0225 Variable Level Control Switches (2) Unichecks (1) Duplex Fiberglass or Polyethylene Basin</p>	<p>(2) Nonautomatic Pumps (1) Electrical Alternator Panel (3 or 4) 10-0225 Variable Level Control Switches (2) Unichecks (1) Duplex Fiberglass or Polyethylene Basin</p>
<p><u>DUPLEX SYSTEM WITH SMART PAK RESIDENTIAL ALTERNATOR (Up to 12 amp pumps)</u></p> <p>(2) Automatic Pumps (Up to 12 amps) (1) 10-0804 Residential Alternator (2) Unichecks (1) Duplex Fiberglass or Polyethylene Basin</p>	<p>THREE PHASE</p> <p>NOT APPLICABLE</p>
<u>DUPLEX SYSTEM WITH MECHANICAL ALTERNATOR AND ALARM</u>	
<p>(2) Nonautomatic Pumps (1) 10-0075 Mechanical Alternator/Option with Alarm Switch (1) 10-0015, 115V or 10-0016, 230V Alarm (2) Unichecks (1) Duplex Fiberglass or Polyethylene Basin</p>	<p>(2) Nonautomatic Pumps (2) Combination Starters (1) 10-0075 Mechanical Alternator/Option with Alarm Switch (1) 10-0015, 115V or 10-0016, 230V Alarm (2) Unichecks (1) Duplex Fiberglass or Polyethylene Basin</p>

For additional information on Two Pump Systems see FM0848.