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



PUMP COMPANY

Zoeller Family of Water Solutions

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347 SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961 (502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624 **SECTION: 2.50.010** FM1478

0414

Supersedes 0609

visit our web site: www.zoeller.com

# THE SINDER PUMP

#### **FEATURES:**

- · Automatic with Integral Control, Nonautomatic available.
- III Listad
- Durable Heavy Duty Finned Cast Iron Construction.
- Legs provide for free standing installation.
- Motor 2 HP, 60 Hz, 3450 RPM, Oil-filled, Hermetically Sealed with Class B Insulation, Automatic Reset Thermal Overload Protected.
- Upper and Lower Ball Bearings Running in Bath of Oil.
- Hardened Stainless Steel Cutter and Disc.
- Cutters Protected from Abrasive Solids.
- · Stainless Steel Lifting Handle, Screws, and Bolts.
- · Easily adapts to Rail Systems.
- Mechanical Shaft Seal Carbon/Ceramic.
- · Control panels are not required.
- Simplex Grinder Package Systems (Unassembled and Job Ready/Assembled) available.
- Corrosion resistant powder coated epoxy finish.
- Maximum operating temperature 130°F (54°C).
- 20' Power Cord.



# UNIQUELY DESIGNED PUMP WITH INTEGRAL CONTROL

(For Pump Prefix Identification see News & Views 0052)



### **GRINDER SYSTEMS**

#### (A) GRINDER MODEL 820 STANDARD FEATURES:

- 11/4" NPT Vertical discharge
- · Carbon/Ceramic Seal
- · Thermal Overload protection
- · Engineered, glass-filled plastic impeller with Stainless Steel insert
- · Stainless Steel Cutter Plate/Cutter
- · Stainless Steel Shaft
- · Stainless Steel Hardware
- · 20' Power Cord

#### **OPTIONS:**

☐ Extra Length Cords (Consult Factory)

#### (A) 820 GRINDER 2 HP, 11/4" N.P.T. **VERTICAL DISCHARGE** P/N WGT. **MODEL VOLTS** PH MODE **AMP** □ 820-0011 89 WD820\* 230 Auto 13.7 1 □ 820-0004 88 E820 230 1 Nonauto 13.7 □ 820-0005 89 WH820\* 200 1 Auto 15.5 □ 820-0006 88 1820 200 1 Nonauto 15.5

WD & WH grinder pumps are completely automatic with starting controls in pump switch case. Note: 230V pumps are supplied with a 20 amp plug.

#### (B) CONTROL PANELS & ALARM SYSTEMS STANDARD FEATURES:

- · Audible & Visual Alarm
- · Alarm Silence Switch
- · Test Switch for Alarm and Light
- · UL Listed

#### Simplex Panels:

- □ P/N 10-1037 Includes Alarm & 3 Floats for E820.
- □ P/N 10-1038 Includes Alarm & 3 Floats for I820.
- □ P/N 10-0125\* Includes Alarm & 3 Floats for E or I Models.

#### Alarm Paks Only:

#### INDOOR/OUTDOOR SYSTEM

- □ P/N 10-0053 Indoor only. + NEMA 4X SIMPLEX CONTROL □ *P/N* 10-0623 Outdoor. PANEL WITH ALARM
- □ P/N 10-0126 Outdoor w/

Dry Alarm Contacts.

\*Branch circuit protection provided by electrical installer.





#### INDOOR INSTALLATIONS **NEMA 1** □ *P/N* 10-1494

**DELUXE** 

INDOOR/OUTDOOR SYSTEM STANDARD □ P/N 10-0623

□ P/N 10-0682

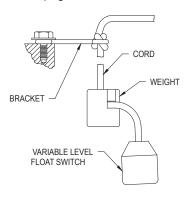
† Low voltage terminal connector for float switch.

#### (C) VARIABLE LEVEL FLOAT SWITCHES

- □ P/N 10-0033\* Switch without Weight & Bracket for E820. WGT. 2.0
- □ P/N 10-0748 Switch without Weight & WGT. 2.0 Bracket for 1820.
- □ P/N 10-0661 1 Weight & Bracket only. WGT. 3.0
- ☐ *P/N* 10-0689 1 Weight only. *WGT*. 2.5 □ P/N 10-1366 Set of Weights & Brackets.

Use with 10-0125/10-1037 and 10-1038. WGT. 6.5

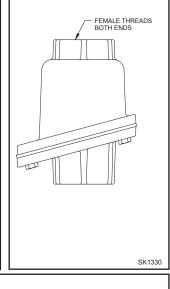
\*Remove plug.



Note: All variable level float switches in this section are mechanically activated and do not contain mercury.

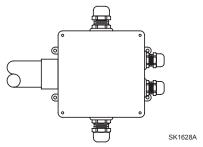
#### (D) CHECK VALVES

- 11/4" Cast Iron NPT Female □ P/N 30-0163 WGT. 7.5 11/2" Cast Iron NPT Female □ P/N 30-0164 WGT. 7.5
- 2" Cast Iron NPT Female
- □ P/N 30-0152 WGT. 10.0



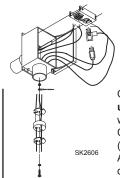
#### (E) JUNCTION BOXES (Contact factory if used in conjuction with a control panel)

#### INDOOR BASIN INSTALLATIONS



4 Holes with Seals for (1) Power Cord, (1) Pump Cord, (1) Alarm Switch, & (1) Alarm Return Feed.

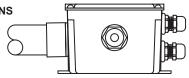
□ P/N 10-0666 WGT. 2.5



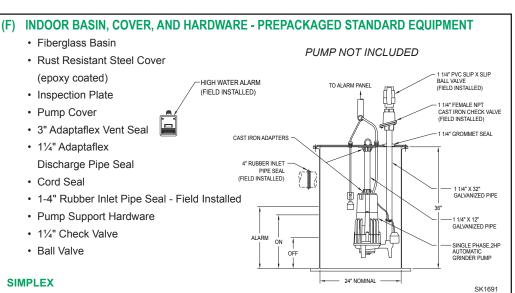
**OUTDOOR BASIN INSTALLATIONS** 

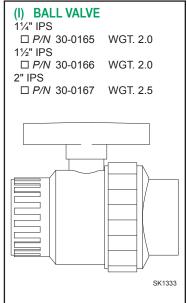
Qwik-Box Connection (For use with WD Models only) with Seals for (1) Power Cord, (1) Pump Cord, and (1) Alarm Switch Cord. Alarm float switch must operate on low voltage to be used w/ Qwik Box.

□ P/N 10-0580 WGT. 3.0



- 4 Holes with Seals for (1) Pump Cord, (3) Control Float Switch Cords and (1) Conduit Connection, use with Control Panel/s (B).
- □ P/N 10-0647 WGT. 2.5
- 4 Holes with Seals for (1) Pump Cord, (1) Control Float, (1) Alarm Switch, and (1) Conduit Connection for incoming power and alarm return.
- □ P/N 10-0677 WGT. 2.5





#### (G) OUTDOOR BASIN, COVER, AND RAIL SYSTEM ASSEMBLIES - STANDARD EQUIPMENT

• Fiberglass Basin with Anti-flotation Ring

□ 24" x 36" P/N 32-0011 WGT. 107

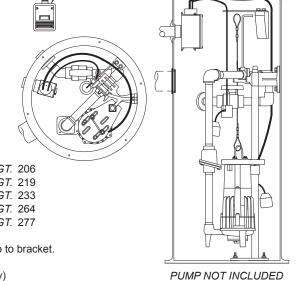
- 11/4" PVC Discharge Pipe
- 11/4" Rubber Discharge Pipe Seal
- · Stainless Steel Square Guide Rail
- 1' Pull Rod
- 8' SS Lifting Cable for basin depths to 84" (12' SS Lifting Cable for basin depths of 96")
- 11/4" PVC Ball Valve
- 11/4" Cast Iron Check Valve
- 1-4" Rubber Inlet Pipe Seal -Field Installed
- Fiberglass Cover

#### SIMPLEX

Ш	24" x 48"	P/N 33-0185	WG 1. 206
	24" x 60"	P/N 33-0186	WGT. 219
	24" x 72"	P/N 33-0187	WGT. 233
	24" x 84"	P/N 33-0188	WGT. 264
	24" x 96"	P/N 33-0189	WGT. 277
ION:	S:		

#### **OPTIONS**

- 11/4" Stainless Steel pipe from pump to bracket.
- Anti-siphon Device.
- Pre-wired Conduit. (Consult Factory)
- \*Other sizes available. (Consult factory).



USE WITH AUTOMATIC PUMPS ONLY

HIGH WATER ALARM

(FIELD INSTALLED)

#### (J) PULL RODS FOR SQUARE GUIDE RAIL SYSTEMS ONLY (Field Installed Systems)

1 Ft. "L" □ P/N 39-0069 WGT. 0.5 21/2 Ft. "L" □ P/N 39-0006 WGT. 1.0 31/2 Ft. "L" □ P/N 39-0007 WGT. 1.5 41/2 Ft. "L" □ P/N 39-0008 WGT. 1.5 51/2 Ft. "L" □ P/N 39-0009 WGT. 2.0 - - - -SK2283

#### (H) RAIL SYSTEMS - (FIELD INSTALLED)

# Z-Rail Disconnect System for 11/4" pump discharges (Rail System discharge is 2" NPT male thread)

Ductile Iron Constructions

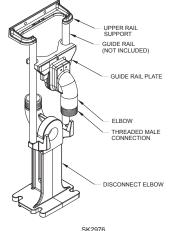
□ P/N 39-0134 Wgt. 43
With Stainless Steel Upper
Rail Support

□ P/N 39-0135 Wgt. 4

## Intermediate Stabilizer Bracket for every 12' of depth.

Stainless Steel

□ P/N 39-0139 Wgt. 6.0



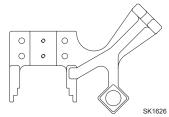
# Square Guide Rail System for systems less than 96" deep) BASIN DEPTH

SK1670

□ 48" *P/N* 39-0057 *WGT*. 90.5 □ 60" *P/N* 39-0058 *WGT*. 94.5 □ 72" *P/N* 39-0059 *WGT*. 98.5

Fits both round and square basins Includes Square Guide Rail

Basins over 72" deep require one additional angle arm bracket. □ *P/N* 39-0070 *WGT*. 11



# (K) SS LIFTING CABLE (Field Installed Systems)

8 Ft.

□ P/N 39-0031 WGT. 1.0

12 Ft.

□ P/N 39-0032 WGT. 1.0

16 Ft.

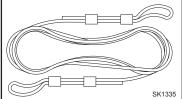
□ P/N 39-0033 WGT. 1.0

20 Ft.

□ P/N 39-0034 WGT. 1.0

24 Ft.

□ P/N 39-0035 WGT. 1.0



## PREPACKAGED AND JOB READY SYSTEMS

INDOOR						
REQ						
1	Grinder (Auto or Nonauto)	P/N(A)				
1	Alarm System (Optional)	P/N(B)				
1	Weight Only	P/N <u>10-0689</u> (C)				
	(Required if alarm is used)					
1	Junction Box (Optional)	P/N <u>10-0666</u> (E)				
1	Basin, Cover and Hardware	P/N (F)				

OUTDOOR						
REQ						
1	Grinder (Auto or Nonauto)	P/N (A)				
1	Control Panel/Alarm System	P/N (B)				
1	Float Switch/es (if required)	P/N (C)				
1	Weight/s and Bracket/s	P/N (C)				
1	Junction Box	P/N(E)				
1	Basin, Cover and Rail System	P/N(G)				

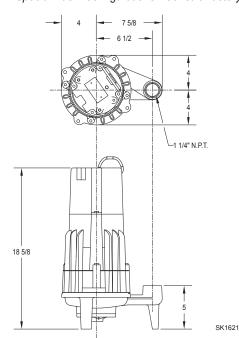
# FIELD MOUNT SYSTEMS

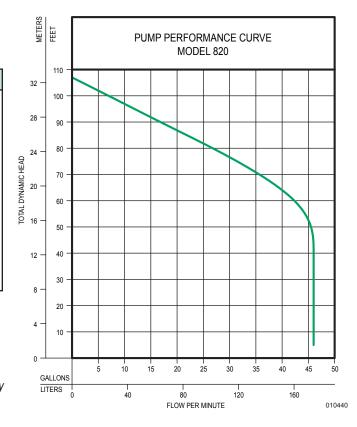
SIMPLEX						
RE	Q.					
1	Grinder (Auto or Nonauto)	P/N	(A)			
1	Alarm System (Optional)	P/N	(B)			
1	Variable Level Fl. Sw. Assm.(2)	P/N	(C)			
	(Not required for auto pumps)					
1	Weight and Bracket Only	P/N 10-0661	(C)			
	(2 required if alarm is used)					
1	Junction Box (Optional)	P/N	(E)			
1	Rail System (Optional)	P/N	_ (H)			
1	Angle Arm/Intermediate Bracket <sup>(1)</sup>	P/N	_ (H)			
1	Pull Rod (3)	P/N	(J)			
1	S.S. Cable	P/N	_ (K)			

<sup>(1)</sup> Required for basins over 72" deep (Square Guide Rail) and over 12" (E-Z Out Rail). Allow for overhead clearances.

Note: Contact factory for control panel selection.

Note: Access Doors Available on Field Mount Systems - Consult Factory Special Basin Configurations - Consult Factory





Your Peace of Mind is Our Top Priority®

<sup>(2)</sup> Hardwire pump, float switch, and power supplyinside junction box.

<sup>(3)</sup> For Square Guide Rail Only