FEATURES:
- Finned Class 30 Cast Iron Construction
- Corrosion Resistant Powder Coated Epoxy Finish
- Discharge Size - 1¼" NPT
- 1 & 2 HP, 60 Hz, 1725 RPM
  - Model 810 - 1 HP, 230 Volts/1 Ph
  - Model 815 - 2 HP, 230 Volts/1 Ph
- UL Listed 20 ft. 3-wire neoprene cord with 15 amp plug
- Oil-Filled - Hermetically Sealed Motor with Class B Windings
- Hardened Stainless Steel Cutter and Disc, Rockwell C55-60
- Stainless Steel Hydraulic Pump Rotor
- Pressure Relief Valve
- Upper and Lower Ball Bearing Construction
- Carbon/Ceramic mechanical seal
- Integral Thermal Overload Protection with Automatic Reset
- SS Mounting Stand for free standing installation
- Preassembled Systems Available
### GRINDER SYSTEMS

**A** 810 & 815 PROGRESSING CAVITY GRINDER  
1 OR 2 HP  
1¼'' N.P.T. DISCHARGE

<table>
<thead>
<tr>
<th>P/N</th>
<th>WGT.</th>
<th>MODEL</th>
<th>VOLTS</th>
<th>PH</th>
<th>HP</th>
<th>AMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>810-0004</td>
<td>88</td>
<td>E810</td>
<td>230</td>
<td>1</td>
<td>1</td>
<td>6.0</td>
</tr>
<tr>
<td>815-0004</td>
<td>91</td>
<td>E815</td>
<td>230</td>
<td>1</td>
<td>2</td>
<td>10.5</td>
</tr>
</tbody>
</table>

Maximum operating temperature 130°F (54°C).

**CAUTION** To ensure proper pump operation, a swing or flapper style check valve must be installed in the pump discharge line. A faulty or non-functional check valve when combined with a pressure sewer may prevent the pump from starting.

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

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**ELECTRICAL - CONTROL / ALARM / FLOATS / JUNCTION BOX (SELECT 1 OF THE 3 COLUMNS)**

### (A) GRINDER

**STANDARD FEATURES:**
- 1¼'' NPT Discharge
- Carbon/Ceramic Tandem Seals
- Thermal Overload protection
- Hydraulic SS Rotor and Buna-n Stator
- Stainless Steel Cutter Plate / Cutter
- Stainless Steel Shaft
- Stainless Steel Hardware
- Corrosion resistant powder coated epoxy paint
- 20 ft. Power Cord Cord

**OPTIONS:**
- □ 25' Long Cords
- □ 35' Long Cords
- □ 50' Long Cords

### (B) QUIC BOX w/ FLOAT SWITCH

- □ P/N 10-0623 Indoor/Outdoor high water alarm with 15' control switch.
- □ P/N 10-0126 NEMA 4X high water alarm with 15' control switch and dry contact.
- □ P/N 10-1494 Indoor high water alarm with 15' control switch.

### (C) PUMP SWITCH & WEIGHT - 1 pump switch required

- Single piggy-back type 230 volt 13 amp
- □ P/N 10-0035 with 15' cord
- □ P/N 10-0689 weight for alarm float (Indoor Systems only)

### (D) JUNCTION BOX - 1 required

- □ P/N 10-0580 Qwik-Box, NEMA 4X with 230 volt receptacle

### (B) CONTROL PANEL

- □ P/N 10-2006 Plugger panel, NEMA 4X with high water alarm and 230 volt receptacle.

### (C) FLOAT SWITCHES - 2 required

- Pump: One pump switch
- Alarm: One control switch

- □ P/N 10-0706 piggy-back pump switch with 20' cord
- □ P/N 10-0311 piggy-back pump switch with 25' cord
- □ P/N 10-1956 piggy-back pump switch with 35' cord

- □ P/N 10-0744 mechanical control switch with 20' cord
- □ P/N 10-1877 mechanical control switch with 25' cord
- □ P/N 10-1878 mechanical control switch with 35' cord

### (D) JUNCTION BOX

- J-Box not recommended with this type control.

### (B) SIMPLEX PANEL

- □ P/N 10-2008 Simplex panel, Model E810 pump, NEMA 4X, with high water alarm and pump circuit breaker, less float switches.
- □ P/N 10-1212 Simplex panel, Model E815 pump, NEMA 4X, with high water alarm and pump circuit breaker, less float switches.

### (C) FLOAT SWITCHES - 2 required

- Pump: One pump switch
- Alarm: One control switch

- □ P/N 10-0706 piggy-back pump switch with 20' cord
- □ P/N 10-0311 piggy-back pump switch with 25' cord
- □ P/N 10-1956 piggy-back pump switch with 35' cord

- □ P/N 10-0744 mechanical control switch with 20' cord
- □ P/N 10-1877 mechanical control switch with 25' cord
- □ P/N 10-1878 mechanical control switch with 35' cord

### (D) JUNCTION BOX - optional

- □ P/N 10-2145 NEMA 4X with 3 cord seals and conduit connection.

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## INDOOR SYSTEM

**FIBERGLASS BASIN**
- Pump suspended from steel cover
- P/N 32-0029  24" X 36"

## OUTDOOR SYSTEM w/ SQUARE GRS

**FIBERGLASS BASIN & COVER**
- Square Guiderail System
- P/N 33-0491  24" X 48"
- P/N 33-0492  24" X 60"
- P/N 33-0493  24" X 72"

## OUTDOOR SYSTEM w/ FLEX HOSE DC

**FIBERGLASS BASIN & COVER**
- 1.25" Flexible Hose
- Disconnect
- P/N 35-0006  24" X 48"
- P/N 35-0007  24" X 60"
- P/N 35-0008  24" X 72"

## ACCESSORIES FOR FIELD ASSEMBLED SYSTEMS

**FLEX-HOSE DISCHARGE ASM.**
- P/N 10-2038 w/30” hose

**SQUARE GUIDE RAIL SYSTEM**
- P/N 39-0106 - 48” Deep Basin
- P/N 39-0107 - 60” Deep Basin
- P/N 39-0108 - 72” Deep Basin
- P/N 39-0070 - Rail Extension Bkt.

**EZ-OUT RAIL SYSTEMS**
- P/N 39-0115  1/4"H x 1/4"V Galv.
- P/N 39-0116  1/4"H x 1/4"V SS
- P/N 10-0090 Intermediate Bkt. SS

**SS LIFTING CABLES AND ROD**
- P/N 39-0031  8’ Cable
- P/N 39-0032  12’ Cable
- P/N 39-0069  1’ Rod
- P/N 10-0789 SS Lifting Bail

**GALVANIZED 1.25" DISCH. ELBOW**
- P/N 018386

**CHECK VALVE**
- P/N 30-0223  1.25” NPT Brass

**BALL VALVE**
- P/N 30-0165  1.25” PVC
- P/N 30-0213  1.25” NPT Brass

**PREWIRED CONDUIT**
- P/N 5100-0016 - 25’
- P/N 5100-0017 - 35’
- P/N 5100-0018 - 50’
PREPACKAGED AND JOB READY SYSTEMS

**INDOOR**

<table>
<thead>
<tr>
<th>REQ.</th>
<th>OUTDOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 810 or 815 Grinder P/N (A)</td>
<td>1 810 or 815 Grinder P/N (A)</td>
</tr>
<tr>
<td>1 Alarm Panel P/N (B)</td>
<td>1 Control Panel/Alarm System P/N (B)</td>
</tr>
<tr>
<td>1 Piggyback Pump Switch P/N (C)</td>
<td>1 Piggyback Pump Switch P/N (C)</td>
</tr>
<tr>
<td>1 Weight for Alarm Float P/N (C)</td>
<td>1 Control Switch (if required) P/N (C)</td>
</tr>
<tr>
<td>1 Basin, Cover and Hardware P/N (E)</td>
<td>1 Junction Box (if required) P/N (D)</td>
</tr>
</tbody>
</table>

**FIELD MOUNT SYSTEMS**

**SIMPLEX**

<table>
<thead>
<tr>
<th>REQ.</th>
<th>OUTDOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 810 or 815 Grinder P/N (A)</td>
<td>1 810 or 815 Grinder P/N (A)</td>
</tr>
<tr>
<td>1 Control Panel / Alarm System P/N (B)</td>
<td>1 Control Panel/Alarm System P/N (B)</td>
</tr>
<tr>
<td>1 Piggyback Pump Switch P/N (C)</td>
<td>1 Piggyback Pump Switch P/N (C)</td>
</tr>
<tr>
<td>1 Control Switch (if required) P/N (C)</td>
<td>1 Control Switch (if required) P/N (C)</td>
</tr>
<tr>
<td>1 Weight for Alarm Float (if required) P/N</td>
<td>1 Junction Box (if required) P/N (D)</td>
</tr>
<tr>
<td>1 Basin, Cover and Hardware P/N (E)</td>
<td>1 Package Basin Assembly P/N (E)</td>
</tr>
</tbody>
</table>

“922” Packaged Systems

Refer to FM2370 for Packaged Fiberglass or Poly-ribbed Basin Assemblies for the models 810 and 815.

Manufacturers of... “Quality Pumps Since 1939”