**FIG. PFR-23**

DUAL PRESSURE FEED AND RECOVER SYSTEM FOR CONTINUOUS FLUX FEED. MM-3000X, MM-5000X VACUUM WITH PFR-3000 OR LPFR-3000 AND PFR-LD3 LIDS. (TYPICAL COMPONENT CONFIGURATION)

1. **PFR-3000 or Heated HPFR-3000** (Complete System, Separator and Pressure Tank with Controls)
2. **Electronic Level Sensors** are available for Hopper and Tank (i.e., IF Tank is at low level, a loud buzzer sounds and light flashes).

**NOTE:** STANDARD TANK CAPACITY IS 100 LBS. LARGER TANK/HOPPER SYSTEMS ALSO AVAILABLE (i.e., 300 LBS. TANK WITH 300 LBS. HOPPER ETC.)

**HEAVY DUST REMOVAL:**

For Heavy Dust Removal, use MM-1500X/P, MM-3000X/P, or MM-5000X/P.

**NOTE A:** MIGHTY-MAC VACUUM SELECTION

Use MM-3000X for...

- A) 50/60 Hz. Power installations
- B) Single wire welding on each head
- C) Maximum 2" vacuum hose per head is 30 ft.
- D) Maximum 1 1/2" recovery hose per head is 25 ft.

Use MM-5000X for...

- A) 50 Hz. Power installations with 2" vacuum hose maximum of 30 ft. per head
- B) 60 Hz. With 2" vacuum hose over 50 ft. per head (consult factory for maximum length)
- C) 1 1/2" recovery hose over 25 ft. per head (consult factory for maximum length)
- D) Twin arc welding each head (not tandem)

**NOTE:**

1. Dual system not recommended for tandem or triple heads. Use one MM-3000X or MM-5000X per tandem application.
2. MM-1500X not recommended for dual station.

**SYSTEM ORDER LIST:**

1. @ MM-3000X or MM-5000X (Vacuum)
   (220, 380-415, 480, 575 volts/3ph/50 or 60 Hz)
2. @ PFR-3000 or LPFR-3000 (Pressure Feed and Recover System)
3. @ MAGSEP-100 (Magnetic Separator)
4. @ PFR-LD3 Lid (Pressure Feed Lid)

**NOTE B:** INSIDE DIAMETER OF THE FEED HOSE DETERMINES THE MAXIMUM FLUX FEED RATE AND FLUX FEED NOZZLE SIZE

<table>
<thead>
<tr>
<th>INSIDE DIAMETER</th>
<th>MAX. FEED RATE</th>
<th>FLUX FEED NOZZLE</th>
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<tbody>
<tr>
<td>1/2&quot;</td>
<td>1 1/2 lbs. (.68 kg)/min.</td>
<td>USE T-NOZ-1/2&quot;</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>4 to 6 lbs. (1.81-2.72 kg)/min.</td>
<td>USE T-NOZ-3/4&quot;</td>
</tr>
<tr>
<td>1&quot;</td>
<td>6 to 8 lbs. (2.72-3.63 kg)/min.</td>
<td>USE T-NOZ-1&quot;</td>
</tr>
</tbody>
</table>

Based on agglomerated flux and maximum hose length of 50 ft. (Consult factory for details)

**NOTE C:** INTERNAL DIAMETER OF THE FEED HOSE DETERMINES THE MAXIMUM FLUX FEED RATE AND FLUX FEED NOZZLE SIZE

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**FILE:** TB-FPR-2 PFR3000 TB-DRT 8-1-2008.CAD

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