**FEATURES**

- Durable, corrosion-resistant Tefzel® lined ductile iron casing
- Casing meets ANSI B73.1m & 73.3 for foot and flange location
- Powerful neodymium magnets for dependable, leak-free operation
- Volute with partial splitter reduces radial thrust load
- Rear sealing ring to balance axial thrust
- Dual bushings provide optimum alignment
- Suction shaft support with integral straightening vanes
- Replaceable 2-piece impeller and drive hub
- Run dry capability with carbon or Dri-Coat SiC bushing
- Easy-set measurement free outer drive
- Exclusive vapor protection package to protect outer magnetic drive and motor face from corrosive fumes
- Back pull-out design
- Casing drain connection standard
- Specific gravity over 1.8
- Accepts standard NEMA 143-365 or IEC 90-225 motor frames
- ANSI or ISO flange mountable
- ATEX certified models available

**TYPICAL APPLICATIONS**

- Chemical manufacturing, blending, distribution
- Water treatment
- Plating and metal finishing
- Paper mills
- Fume scrubbers
- Metals manufacturing
- Electronics
- Pharmaceuticals
- Truck loading/unloading

**TYPICAL CHEMICALS**

- Sodium hydroxide
- Sulfuric acid
- Hydrochloric acid
- Sodium hypochlorite
- Plating solutions
- Corrosive blends
- Solvents
- Wastewater

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*Tefzel® Fluoropolymer Resin is a registered trademark of DuPont*
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Construction</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Casing</td>
<td>Cast ductile iron, DuPont Tefzel® (ETFE) lined</td>
</tr>
<tr>
<td>2</td>
<td>Shaft support</td>
<td>Carbon fiber filled ETFE</td>
</tr>
<tr>
<td>2A</td>
<td>Front thrust ring</td>
<td>Alpha sintered silicon carbide</td>
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<tr>
<td>3</td>
<td>Impeller</td>
<td>Carbon fiber filled ETFE</td>
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<tr>
<td>3A</td>
<td>Impeller thrust washer</td>
<td>Alpha sintered silicon carbide</td>
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<tr>
<td>4</td>
<td>Inner drive</td>
<td>Neodymium iron boron magnets encapsulated in CF ETFE</td>
</tr>
<tr>
<td>4A</td>
<td>Bushing options</td>
<td>Alpha sintered silicon carbide, carbon, Dri-Coat silicon carbide</td>
</tr>
<tr>
<td>4C</td>
<td>Rear sealing ring</td>
<td>Molybdenum disulfide-filled PTFE</td>
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<tr>
<td>5</td>
<td>Shaft</td>
<td>Alpha sintered silicon carbide</td>
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<tr>
<td>6</td>
<td>Barrier</td>
<td>Molded CF ETFE liner with Aramid Reinforced Epoxy external shell</td>
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<tr>
<td>6A</td>
<td>Barrier thrust ring</td>
<td>Alpha sintered silicon carbide</td>
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<tr>
<td>7</td>
<td>Clamp ring</td>
<td>Painted ductile iron</td>
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<tr>
<td>8</td>
<td>Outer drive magnet</td>
<td>Nickel-plated neodymium iron boron magnets/painted ductile iron</td>
</tr>
<tr>
<td>9</td>
<td>Motor adapter</td>
<td>Ductile iron</td>
</tr>
<tr>
<td>10</td>
<td>O-ring options</td>
<td>FRM, EPDM, Kalrez®, Simriz®</td>
</tr>
<tr>
<td>11</td>
<td>Vapor protection o-rings</td>
<td>Buna</td>
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</tbody>
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Kalrez® is a registered trademark of DuPont Performance Elastomers
Simriz® Perfluoroelastomer is a registered trademark of Simrit® division of Freudenberg-NOK.

**SPECIFICATIONS**

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<tr>
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<tbody>
<tr>
<td>1 - 75</td>
<td>6 - 8-1/4</td>
<td>15.2 - 21</td>
<td>4 (10.2)</td>
<td>1-1/2 (3.8)</td>
<td>825</td>
<td>187</td>
<td>290</td>
<td>88</td>
<td>300 (20.7)</td>
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<td>1.5 - 55</td>
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*Except E magnet set: maximum 220° F (104° C)

Note: Impeller trims available every 1/8” (.32 cm) between the smallest and largest diameters.

**DIMENSIONS**

**ACCESSORIES**

- Bronze Bump Ring - add to the motor adapter to make pump suitable for hazardous areas.
- SiC Dri-Coat (for shaft and bushings) is ideal protection for applications where the pump may see unintentional, brief periods of dry running.
- Baseplate - fabricated of steel or fiberglass for extra strength and rigidity. Suitable for grouting. Shown with optional bearing frame.

**M20 Power Monitor**

Shuts the pump down when there is a drop in power to prevent run dry damage.

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3/27/14

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