Introduction to Machine Supplies

**Clean Air Bags**
Page 207

- Protect your plant, people & parts
- Prevents oil vapor from escaping into the air
- Made from heavy-duty PVC-coated fabric
- Select from our standard sizes or custom order to fit your machine

**Low-Profile Drawer Magnets**
Page 216

- Low-profile drawer magnets are ideal when overhead space is limited
- Choose from our standard sizes or custom order one that fits your machine

**Drum & Gaylord Covers**
Page 227

- Protect valuable barreled and boxed plastics
- Standard sizes are stocked for immediate shipment
- Eliminate contamination, ambient dirt, & moisture while loading your machines

**Custom Drawer Magnets**
Page 224

- Create customized drawer magnets for your specific application with our order form
- Double drawer magnets
- Double slide gates and dump tubes expedite material changes

**Hopper Magnets**
Page 226

- 1" diameter, stainless steel magnetic tubes available in square or round shape
- Easily mounted on your molding machine or in the granulator’s catch bin
- Keeps ferrous metal scraps from entering injection barrel & damaging parts

**Sealed Drawer Magnets**
Page 220

- Sealed drawer magnets protect equipment filled by direct feed loaders
- Choose from our standard sizes or custom order one that fits your machine

**Drawer Magnets**
Page 212

- Standard, in-stock sizes: 4x4, 6x6, 8x8
- Quality magnets stop tramp metal
- Available in painted & stainless steel
- Available with standard or rare earth magnets
- Additional hopper & side gate available

**EMI Purging Compound**
Page 210

- Purging compound that reduces cloudiness, streaking, black specs, and hazing in many applications
- Pre-mixed & ready to use
- Heat stable, non-toxic, non-hazardous

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Clean Air Bags

Protect your plant, people & parts from oil vapor

Mounted on your hydraulic injection machines’ vent stacks, clean air bags expand and contract as the clamp opens and closes “re-using” the same air over and over. This prevents oil vapor from escaping into your plant air environment. Condensed oil vapor drains back into the reservoir.

Clean air bags also protect your hydraulic oil from contamination by prohibiting airborne particulate from getting into your machine through dirty air filters. Clean air bags permanently replace your reservoir air filters and eliminate climbing on top of your machine for filter maintenance.

Made of heavy-duty PVC-coated fabric, clean air bags are double seamed and sealed, assuring long life. A cross-frame support simplifies installation. Quantity discounts are available so you can economically fit clean air bags on every hydraulic machine in your plant.

---

Clean Air Bag

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Diameter</th>
<th>Height</th>
<th>Capacity</th>
<th>Price (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0507</td>
<td>5B-241675</td>
<td>24”</td>
<td>16”</td>
<td>4.187 cu. ft.</td>
<td>$104.06</td>
</tr>
<tr>
<td>0508</td>
<td>5B-242675</td>
<td>24”</td>
<td>26”</td>
<td>6.083 cu. ft.</td>
<td>$125.63</td>
</tr>
<tr>
<td>0509</td>
<td>5B-303075</td>
<td>30”</td>
<td>30”</td>
<td>12.266 cu. ft.</td>
<td>$177.19</td>
</tr>
<tr>
<td>0510</td>
<td>5B-324275</td>
<td>32”</td>
<td>42”</td>
<td>18.607 cu. ft.</td>
<td>$189.38</td>
</tr>
<tr>
<td>0511</td>
<td>5B-344475</td>
<td>34”</td>
<td>44”</td>
<td>23.107 cu. ft.</td>
<td>$194.06</td>
</tr>
<tr>
<td>0512</td>
<td>5B-364075</td>
<td>36”</td>
<td>40”</td>
<td>23.550 cu. ft.</td>
<td>$199.69</td>
</tr>
</tbody>
</table>

Ask about our quantity discounts!

Clean Air Bag Stand

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Description</th>
<th>Price (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0501</td>
<td>5B-229-16-4</td>
<td>stand for 16” bag ht. x 4” NPT</td>
<td>$134.38</td>
</tr>
<tr>
<td>0502</td>
<td>5B-229-26-4</td>
<td>stand for 26” bag ht. x 4” NPT</td>
<td>$134.38</td>
</tr>
<tr>
<td>0503</td>
<td>5B-229-30-4</td>
<td>stand for 30” bag ht. x 4” NPT</td>
<td>$134.38</td>
</tr>
<tr>
<td>0504</td>
<td>5B-229-42-4</td>
<td>stand for 42” bag ht. x 4” NPT</td>
<td>$134.38</td>
</tr>
<tr>
<td>0505</td>
<td>5B-229-44-4</td>
<td>stand for 44” bag ht. x 4” NPT</td>
<td>$134.38</td>
</tr>
<tr>
<td>0506</td>
<td>5B-229-40-4</td>
<td>stand for 40” bag ht. x 4” NPT</td>
<td>$134.38</td>
</tr>
</tbody>
</table>

4” NPT shown, other sizes available, call EMI.

Clean Air Bag order form on next page
Clean Air Bags Order Form

1. Determine bag size for each machine:

   Clamp Ram Diameter: ____________________________
   Maximum Ram Stroke: ____________________________
   Number of Vent Stacks: ____________________________
   Distance Between Vent Stacks: _____________________
   Bag Size: _______________________________________

2. Specify machine type for bag supports:

   Machine Make: ________________________________
   Reservoir Vent Stack Diameter: ________________
   Machine Clamp Tonage: _________________________

   Note: Sketching a basic plan view layout, showing specific locations of vents on the tank and any obstacles, can be helpful to assure proper mounting clearances. Make sure there are no overhead obstructions such as pipes, etc., which could interfere with Clean air bag installation or flexing.

Call EMI for sizing, or use the following formula:

\[(\frac{\text{Ram Diameter}}{2})^2 \times 3.14 \times \text{Ram Stroke} \times 1.1 \div 1,728 \div \text{Number of Vents}\]

For machines with clamp assist cylinders, call EMI for sizing.

Company: ________________________________
Name: _________________________________
Telephone: ____________________________
Fax: _________________________________
Email: ________________________________

Order
Quote #: __________________
PO #: __________________
Date: ________________

Email completed form to: Sales@EMIcorp.com or fax to: 216-535-4823.
Find our interactive forms at: www.EMIcorp.com Complete and submit electronically
Continuous filtration eliminates oil changes and disposal

This continuous oil purification system installs easily on your injection machine and maintains oil quality better than that of new oil. Oil purification improves performance of hydraulic components, eliminates oil-related downtime of pumps, valves, etc. You keep running without shutdown for oil changes or damaged components while eliminating the costly disposal of used oil.

Extend the life of your machines’ closed-loop servo valves by continuously maintaining oil cleanliness within levels recommended by valve manufacturers which typically is 14/11. With EMI’s Triple R oil purification system, you will maintain SAE 1, NAS 4 oil between 13/10 to 14/12. Oil additives such as flame retardants and others are not removed. The standard filter also filters small amounts of water to maintain water contamination at levels less than 0.003 by volume which keeps total acid level minimum.

### Specifications and Prices

<table>
<thead>
<tr>
<th>Quick#</th>
<th>O513</th>
<th>O515</th>
<th>O516</th>
<th>O517</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part#</td>
<td>BU-32P</td>
<td>BU-100P</td>
<td>BU-200P</td>
<td>BU-300P</td>
</tr>
<tr>
<td>Max. Flow Rate</td>
<td>0.4 gallon per min.</td>
<td>0.8 gallon per min.</td>
<td>1.6 gallon per min.</td>
<td>2.8 gallon per min.</td>
</tr>
<tr>
<td>Oil Tank Capacity (typ.)</td>
<td>150 gallons</td>
<td>400 gallons</td>
<td>800 gallons</td>
<td>1200 gallons</td>
</tr>
<tr>
<td>Filter Accuracy</td>
<td>NAS grade 5–6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Pressure</td>
<td>3000 psi</td>
<td>3500 psi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete Package Price</td>
<td>$931.00</td>
<td>$1,142.00</td>
<td>$3,331.50</td>
<td>$3,800.00</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Quick#</th>
<th>O518</th>
<th>O520</th>
<th>O520</th>
<th>O520</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part#</td>
<td>BU-32E</td>
<td>BU-100E</td>
<td>BU-100E</td>
<td>BU-100E</td>
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<tr>
<td>Replacement Filter Price</td>
<td>$51.50</td>
<td>$76.75</td>
<td>$76.75 X2</td>
<td>$76.75 X3</td>
</tr>
</tbody>
</table>

### Additional Replacement Filter Styles

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Element Part#</th>
<th>Micron Rating</th>
<th>Fits Housing Size</th>
<th>Price (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>O521</td>
<td>TR-2025</td>
<td>3</td>
<td>BU-32</td>
<td>$48.00</td>
</tr>
<tr>
<td>O522</td>
<td>TR-2030</td>
<td></td>
<td>BU-50</td>
<td>$56.00</td>
</tr>
<tr>
<td>O523</td>
<td>TR-2040</td>
<td></td>
<td>BU-100</td>
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<tr>
<td>O524</td>
<td>TR-2525</td>
<td>5</td>
<td>BU-32</td>
<td>$49.25</td>
</tr>
<tr>
<td>O525</td>
<td>TR-2535</td>
<td></td>
<td>BU-50</td>
<td>$56.00</td>
</tr>
<tr>
<td>O526</td>
<td>TR-2545</td>
<td></td>
<td>BU-100</td>
<td>$74.50</td>
</tr>
</tbody>
</table>

Three-stage pressure-wound element lasts longer and does not clog!

Stage 1: Surface filtration for capturing large contaminants.

Stage 2: Upper filtration for capturing smaller contaminants.

Stage 3: Pressurized lower filtration for removal of sub micron-level contaminants.

Lifting band lifts filter from bottom assuring complete filter removal without breakdown.
EMI's series of purging compounds aimed specifically at cloudiness, streaking, black specs and hazing in many applications.

EMI Purging Compound is a ready-to-use, pre-mixed compound that can be used for any process including injection molding, blow molding, and extrusion and on any resin between 360°F and 600°F. It is also non-toxic and FDA approved for food contact and pharmaceutical use.

Reduce your scrap rate due to streaking from a previous resin, black specs, hazing, or colorant contamination by introducing EMI Purging Compound as part of your start up, shut down, or color change procedures. Doing so can eliminate these issues and greatly reduce your scrap rate—making your molding process more efficient and profitable.

Our standard compound (PP-105G) contains glass fibers to remove contaminants—such as resins containing fillers or applications with heavy colorant use—that require strong mechanical action to purge. For easier to purge and cleaner material try compound PP-105 without the glass fibers. Our sales representatives and technical staff can assist in determining which better suits your needs.

Two Options Available:

**EMI Purging Compound PP-105G (Glass)**
- 85% modified PP + 5% chemical compound + 10% PP 30% glass fiber, using only FDA compliant components.
- Besides all the above recommendations and features, PP-105G additionally features utilization of glass, which provides increased mechanical action required for more difficult cleaning of products containing fillers or applications with heavy colorant use.

**EMI Purging Compound PP-105**
- 95% modified PP + 5% chemical compound, using only FDA compliant components.
- PP-105 is our leading product for injection, blow molding, extrusion and hot runner applications, and performs well at processing temperatures from 360°F to 600°F. Effective over a wide variety of different resins, temperatures and processes.
- PP-105 avoids the usual confusion and expense of maintaining multiple grades of purging compound in stock as required by many other producers.

Available in 1100 lb gaylord, plus convenient 10 or 25 lb pails.
Don't stock multiple, expensive purging compounds for different processes, temperatures, and resins when one can do it all and offer better cost-per-pound benefits than any other purging product on the market.

**EMI’s Purging Compound: Proven, Powerful, Productivity!**

**Why Use A Purging Compound?**
- Color changes
- Streaking
- Black specks
- Hazing
- Startups and shutdowns
- Cloudiness
- Degradation
- Carbon build up
- Hot runner manifolds
- Thermo sensitive resins

---

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Quantity</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A153</td>
<td>PP-105-G10</td>
<td>10 lb pail</td>
<td>85% modified PP + 5% chemical compound, + 10% PP 30% glass fiber, using only FDA compliant compounds.</td>
<td>Qty. 1: $5.26/ lb ($52.6) Qty. 2–3: $4.22/ lb ($42.19) Qty. 4+: $3.39/ lb ($33.85)</td>
</tr>
<tr>
<td>A154</td>
<td>PP-105-G25</td>
<td>25 lb pail</td>
<td>85% modified PP + 5% chemical compound, + 10% PP 30% glass fiber, using only FDA compliant compounds.</td>
<td>Qty. 1: $4.06/ lb ($101.56) Qty. 2–3: $3.07/ lb ($76.82) Qty. 4+: $3.02/ lb ($75.52)</td>
</tr>
<tr>
<td>A155</td>
<td>PP-105-G1100</td>
<td>1100 lb gaylord</td>
<td>Price for 1100 lb gaylord</td>
<td>Qty. 1: $2.6/ lb ($2,864.58)</td>
</tr>
<tr>
<td>A150</td>
<td>PP-105-10</td>
<td>10 lb pail</td>
<td>95% modified PP + 5% chemical compound, using only FDA compliant compounds.</td>
<td>Qty. 1: $5.21/ lb ($52.08) Qty. 2–3: $4.17/ lb ($41.67) Qty. 4+: $3.33/ lb ($33.33)</td>
</tr>
<tr>
<td>A151</td>
<td>PP-105-25</td>
<td>25 lb pail</td>
<td>95% modified PP + 5% chemical compound, using only FDA compliant compounds.</td>
<td>Qty. 1: $4.01/ lb ($100.26) Qty. 2–3: $3.02/ lb ($75.52) Qty. 4+: $2.97/ lb ($74.22)</td>
</tr>
<tr>
<td>A152</td>
<td>PP-105-1100</td>
<td>1100 lb gaylord</td>
<td>Price for 1100 lb gaylord</td>
<td>Qty. 1: $2.55/ lb ($2,807.29)</td>
</tr>
</tbody>
</table>
Quality magnets stop tramp metal in its tracks

Positive protection for your equipment and tooling is provided by EMI’s heavy-duty drawer magnets. They easily install on your machine throat, protecting valuable equipment, molds and dies. Each model has two rows of 1” diameter, stainless steel, magnetic cartridges, doubling the stopping power and staggered to assure that all material flows around them. EMI’s drawer magnets can be provided with undrilled mounting flange and casting, or we’ll drill and tap them to your specifications (see page 225).

Optional features:

Slide Shut-off Gate: Allows easy removal of the drawer face after material in the magnet body is emptied to processing. Included in models with a “GA” suffix. See price charts for more information.

Liquid Dispensing Port: Allows injection of liquid colorants and can also provide access for temperature probes. $18. Quick# M130

Rear Discharge Dump Tube: Provides fast drain out of materials left in the magnet body after the shut-off gate is closed. $28. Quick# M131

Purge Hopper: Allows injection of purging compounds without having to remove the hopper assembly. Magnets protect anything entering through the purge hopper. $62. Quick# M132

All EMI drawer magnets are available in stainless steel and now with rare earth cartridges!

A clear plastic drawer face holds the magnets and removes quickly for cleaning and access. Standard models available in 4” x 4”, with a total of three cartridges; 6” x 6”, with five cartridges; and 8” x 8”, with seven cartridges. The sturdy castings can support symmetrical loads up to several thousand pounds. If loads are not symmetrical, units must be independently braced.

Rare earth magnets are strong permanent magnets made from alloys of rare earth elements. They are the strongest type of permanent magnets made and have significant performance advantages over ferrite or alnico magnets due to outstanding surface holding power. To avoid magnetically charging the housing, cartridges containing rare earth magnets are only available using our stainless steel housings. Select model ‘DMSR’ to begin removing even the smallest ferrous particles!

Painted Steel Housing - In Stock

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Quantity Pricing (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2”</td>
<td>2”</td>
<td>1 2–5 6–10</td>
</tr>
<tr>
<td>M101</td>
<td>DM-4GA-STK</td>
<td>$384</td>
<td>$366</td>
<td>$347</td>
</tr>
<tr>
<td>M102</td>
<td>DM-6GA-STK</td>
<td>$471</td>
<td>$449</td>
<td>$426</td>
</tr>
<tr>
<td>M103</td>
<td>DM-84GA-STK</td>
<td>$588</td>
<td>$560</td>
<td>$532</td>
</tr>
<tr>
<td>M104</td>
<td>DM-86GA-STK</td>
<td>$588</td>
<td>$560</td>
<td>$532</td>
</tr>
</tbody>
</table>

Note: Stocked units are undrilled.
### Painted Steel Housings

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Quantity Pricing (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Top</td>
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</tr>
<tr>
<td>M105</td>
<td>DM-4</td>
<td>5” x 5”</td>
<td>4” x 4”</td>
<td>⁷⁄₈” x 2”</td>
<td>$348</td>
</tr>
<tr>
<td>M106</td>
<td>DM-4GA</td>
<td>5” x 5”</td>
<td>4” x 4”</td>
<td>⁷⁄₈” x 2”</td>
<td>$384</td>
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</table>

### Stainless Steel Housings

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<th>Bottom Opening</th>
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<tbody>
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<td></td>
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<td></td>
<td>Top</td>
<td>Bottom</td>
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</tr>
<tr>
<td>M111</td>
<td>DMS-4</td>
<td>5” x 5”</td>
<td>4” x 4”</td>
<td>⁷⁄₈” x 2”</td>
<td>$549</td>
</tr>
<tr>
<td>M112</td>
<td>DMS-4GA</td>
<td>5” x 5”</td>
<td>4” x 4”</td>
<td>⁷⁄₈” x 2”</td>
<td>$598</td>
</tr>
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</table>

### Stainless Steel Housings with Rare Earth Cartridges

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Description</th>
<th>Quantity Pricing (each)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>DMSR-4</td>
<td>4” x 4” Stainless Steel Drawer Magnet, Rare Earth</td>
<td>1</td>
</tr>
<tr>
<td>M143</td>
<td>DMSR-4GA</td>
<td>4” x 4” Stainless Steel Drawer Magnet, Rare Earth with Gate</td>
<td>$825</td>
</tr>
<tr>
<td>M144</td>
<td>DMSR-4GA</td>
<td>4” x 4” Stainless Steel Drawer Magnet, Rare Earth with Gate</td>
<td>$897</td>
</tr>
</tbody>
</table>

All models with “GA” suffix indicate slide gate.

See page 212 for other optional features available for the DM-4 Series Drawer Magnets.

All part numbers listed for custom, non-stock units are for ordering purpose only. Upon confirmation of specs a specific part number to manufacture your unit(s) will be created.
All models with “GA” suffix indicate slide gate

**Painted Steel Housings**

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Quantity Pricing (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Top</td>
<td>Bottom</td>
<td>Min. Max.</td>
<td>Min. Max. Min. Max. 1 2–5 6–10</td>
</tr>
<tr>
<td>M107</td>
<td>DM-6</td>
<td>7” x 7”</td>
<td>6” x 6”</td>
<td>1 5/8” 4 1/2”</td>
<td>1 5/8” 3 7/8” $423 $403 $384</td>
</tr>
<tr>
<td>M108</td>
<td>DM-6GA</td>
<td></td>
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<td></td>
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**Stainless Steel Housings**

<table>
<thead>
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<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Quantity Pricing (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Top</td>
<td>Bottom</td>
<td>Min. Max.</td>
<td>Min. Max. Min. Max. 1 2–5 6–10</td>
</tr>
<tr>
<td>M113</td>
<td>DMS-6</td>
<td>7” x 7”</td>
<td>6” x 6”</td>
<td>1 5/8” 4 1/2”</td>
<td>1 5/8” 3 7/8” $576 $548 $521</td>
</tr>
<tr>
<td>M114</td>
<td>DMS-6GA</td>
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**Stainless Steel Housings with Rare Earth Cartridges**

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Description</th>
<th>Quantity Pricing (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 2–5 6–10</td>
</tr>
<tr>
<td>M145</td>
<td>DMSR-6</td>
<td>6” x 6” Stainless Steel Drawer Magnet, Rare Earth</td>
<td>$919 $874 $827</td>
</tr>
<tr>
<td>M146</td>
<td>DMSR-6GA</td>
<td>6” x 6” Stainless Steel Drawer Magnet, Rare Earth with Gate</td>
<td>$996 $946 $896</td>
</tr>
</tbody>
</table>

See page 212 for other optional features available for the DM-6 Series Drawer Magnets

All part numbers listed for custom, non-stock units are for ordering purpose only.
Upon confirmation of specs a specific part number to manufacture your unit(s) will be created.
All models with “GA” suffix indicate slide gate

**Painted Steel Housings**

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Quantity Pricing (each)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Top Bottom</td>
<td>Min.</td>
<td>Max.</td>
<td>Min.</td>
</tr>
<tr>
<td>M109</td>
<td>DM-8</td>
<td>9” x 9”</td>
<td>4”</td>
<td>6”</td>
<td>4”</td>
</tr>
<tr>
<td>M110</td>
<td>DM-8GA</td>
<td>8” x 8”</td>
<td>4”</td>
<td>6”</td>
<td>4”</td>
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**Stainless Steel Housings**

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
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<th>Quantity Pricing (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Top Bottom</td>
<td>Min.</td>
<td>Max.</td>
<td>Min.</td>
</tr>
<tr>
<td>M115</td>
<td>DMS-8</td>
<td>9” x 9”</td>
<td>4”</td>
<td>6”</td>
<td>4”</td>
</tr>
<tr>
<td>M116</td>
<td>DMS-8GA</td>
<td>8” x 8”</td>
<td>4”</td>
<td>6”</td>
<td>4”</td>
</tr>
</tbody>
</table>

**Stainless Steel Housings with Rare Earth Cartridges**

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Description</th>
<th>Quantity Pricing (each)</th>
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<tbody>
<tr>
<td></td>
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</tr>
<tr>
<td>M147</td>
<td>DMSR-8</td>
<td>8” x 8” Stainless Steel Drawer Magnet, Rare Earth</td>
<td>$1,099</td>
</tr>
<tr>
<td>M148</td>
<td>DMSR-8GA</td>
<td>8” x 8” Stainless Steel Drawer Magnet, Rare Earth with Gate</td>
<td>$1,197</td>
</tr>
</tbody>
</table>

See page 212 for other optional features available for the DM-8 Series Drawer Magnets

All part numbers listed for custom, non-stock units are for ordering purpose only.

Upon confirmation of specs a specific part number to manufacture your unit(s) will be created.
Low-Profile Drawer Magnets

Ideal for installations where overhead space is limited and for smaller machines

These compact units have an overall height of only 5½", so they’ll fit just about anywhere. A single row of 1" diameter magnetic cartridges, mounted to a clear plastic drawer front, traps ferrous metal and protects your molds and machines. Available in three sizes to accommodate your machines’ feed openings.

New Stronger Magnets for Even Greater Protection of Your Process Against Ferrous Metals!

<table>
<thead>
<tr>
<th>Painted Steel Housings</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick#</td>
<td>Part#</td>
<td>Top Bottom</td>
<td>Min. Max.</td>
<td>Min. Max. 1 2-5 6-10</td>
</tr>
<tr>
<td>M117</td>
<td>LP-DM-4</td>
<td>5’ x 5” 4’ x 4”</td>
<td>¾” 2”</td>
<td>¾” 2”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stainless Steel Housings</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick#</td>
<td>Part#</td>
<td>Top Bottom</td>
<td>Min. Max.</td>
<td>Min. Max. 1 2-5 6-10</td>
</tr>
<tr>
<td>M120</td>
<td>LP-DM-4SS</td>
<td>5’ x 5” 4’ x 4”</td>
<td>¾” 2”</td>
<td>¾” 2”</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Stainless Steel Housings with Rare Earth Magnets</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick#</td>
<td>Part#</td>
<td>Top Bottom</td>
<td>Min. Max.</td>
<td>Min. Max. 1 2-5 6-10</td>
</tr>
<tr>
<td>M149</td>
<td>LP-DMR-4SS</td>
<td>4’ x 4” Stainless Steel Drawer Magnet, Rare Earth</td>
<td>$394 $374 $355</td>
<td></td>
</tr>
</tbody>
</table>

All part numbers listed for custom, non-stock units are for ordering purpose only. Upon confirmation of specs a specific part number to manufacture your unit(s) will be created.

Optional features:

**Liquid Dispensing Port:** Allows injection of liquid colorants and can also provide access for temperature probes. $18.

Quick# M130

**Rear Discharge Dump Tube:** Provides fast drain of materials left in the magnet body after the shut-off gate is closed. $28.

Quick# M132

Use order form on page 225 to specify opening sizes and bolt hole specifications.
Low-Profile Drawer Magnets
LP-DM-4 Series

Shown above: Drawer Magnet with scrap metal attached to magnets.
Low-Profile Drawer Magnets
LP-DM-6 Series

Optional features:

Liquid Dispensing Port: Allows injection of liquid colorants and can also provide access for temperature probes. $18. Quick# M130

Rear Discharge Dump Tube: Provides fast drain of materials left in the magnet body after the shut-off gate is closed. $28. Quick# M131

Use order form on page 225 to specify opening sizes and bolt hole specifications.

Painted Steel Housings

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>Top</td>
<td>Bottom</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Min.</td>
<td>Max.</td>
<td>Min.</td>
</tr>
<tr>
<td>M118</td>
<td>LP-DM-6</td>
<td>7&quot; x 7&quot;</td>
<td>6&quot; x 6&quot;</td>
<td>1¹/₈&quot;</td>
<td>4¹/₂&quot;</td>
</tr>
</tbody>
</table>

Stainless Steel Housings

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
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<tr>
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<td></td>
<td>Top</td>
<td>Bottom</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Min.</td>
<td>Max.</td>
<td>Min.</td>
</tr>
<tr>
<td>M121</td>
<td>LP-DM-6SS</td>
<td>7&quot; x 7&quot;</td>
<td>6&quot; x 6&quot;</td>
<td>1¹/₈&quot;</td>
<td>4¹/₂&quot;</td>
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</tbody>
</table>

Stainless Steel Housings with Rare Earth Magnets

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
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</thead>
<tbody>
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<td></td>
<td></td>
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<td>Bottom</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Min.</td>
<td>Max.</td>
<td>Min.</td>
</tr>
<tr>
<td>M150</td>
<td>LP-DMR-6SS</td>
<td>6&quot; x 6&quot;</td>
<td>Stainless Steel Drawer Magnet, Rare Earth</td>
<td>$512</td>
<td>$487</td>
</tr>
</tbody>
</table>

All part numbers listed for custom, non-stock units are for ordering purpose only. Upon confirmation of specs a specific part number to manufacture your unit(s) will be created.
Low-Profile Drawer Magnets
LP-DM-8 Series

Painted Steel Housings

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
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<th>Bottom Opening</th>
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<td></td>
<td></td>
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<td>Bottom Max.</td>
<td>Min. Max.</td>
</tr>
<tr>
<td>M119</td>
<td>LP-DM-8</td>
<td>9” x 9”</td>
<td>4”</td>
<td>6”</td>
<td>4” 6”</td>
</tr>
</tbody>
</table>

Stainless Steel Housings

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
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</thead>
<tbody>
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<td></td>
<td></td>
<td></td>
<td>Top Min.</td>
<td>Bottom Max.</td>
<td>Min. Max.</td>
</tr>
<tr>
<td>M122</td>
<td>LP-DM-8SS</td>
<td>9” x 8”</td>
<td>4”</td>
<td>6”</td>
<td>4” 6”</td>
</tr>
</tbody>
</table>

Stainless Steel Housings with Rare Earth Magnets

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Top Min.</td>
<td>Bottom Max.</td>
<td>Min. Max.</td>
</tr>
<tr>
<td>M151</td>
<td>LP-DMR-8SS</td>
<td>8” x 8”</td>
<td>Stainless Steel Drawer Magnet, Rare Earth</td>
<td>$799</td>
<td>$759</td>
</tr>
</tbody>
</table>

All part numbers listed for custom, non-stock units are for ordering purpose only. Upon confirmation of specs a specific part number to manufacture your unit(s) will be created.

Optional features:

**Liquid Dispensing Port:** Allows injection of liquid colorants and can also provide access for temperature probes. **$18. Quick# M130**

**Rear Discharge Dump Tube:** Provides fast drain of materials left in the magnet body after the shut-off gate is closed. **$28. Quick# M131**
Sealed Drawer Magnets

Protect equipment filled by direct feed loaders
If you’re loading machines with direct-to-the-throat hopper loaders, then you need EMI sealed drawer magnets to get protection from tramp ferrous metals, without leaking air or affecting loader performance. These units are also ideal for mounting under drying hoppers or when dry air is used for conveying materials because they won’t allow ambient air and moisture to reach your materials.

Silicone seals prevent air leaks and stand up to high operating temperatures. Four clamps assure tight fit. Two rows of 1” diameter, stainless steel magnetic cartridges mounted on a clear plastic drawer front which removes easily for cleaning. 4” x 4” model has three cartridges; 6” x 6” model has five cartridges and 8” x 8” has seven cartridges. Call for custom sizes and ask about our quantity discount pricing.

New Stronger Magnets for Even Greater Protection of Your Process Against Ferrous Metals!

EMI Sealed Drawer Magnets protect your materials from ambient air and keep your machine throat sealed for direct-feed loading. We’ll drill and tap your magnet to fit to your specifications. See page 225.
## Sealed Drawer Magnets

**SDM-4 Series**

### Painted Steel Housings

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>M123</td>
<td>SDM-4</td>
<td>5” x 5”</td>
<td>4” x 4”</td>
<td>7/8” x 2”</td>
<td>$478</td>
</tr>
</tbody>
</table>

### Stainless Steel Housings

<table>
<thead>
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<th>Quick#</th>
<th>Part#</th>
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<th>Top Opening</th>
<th>Bottom Opening</th>
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<tbody>
<tr>
<td>M126</td>
<td>SDM-4SS</td>
<td>5” x 5”</td>
<td>4” x 4”</td>
<td>7/8” x 2”</td>
<td>$559</td>
</tr>
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### Stainless Steel Housings with Rare Earth Magnets

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>M152</td>
<td>SDMR-4SS</td>
<td>4” x 4”</td>
<td>Stainless Steel Drawer Magnet, Rare Earth</td>
<td>$718</td>
<td></td>
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</tbody>
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All part numbers listed for custom, non-stock units are for ordering purpose only. Upon confirmation of specs, a specific part number to manufacture your unit(s) will be created.
Sealed Drawer Magnets
SDM-6 Series

<table>
<thead>
<tr>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDM-6</td>
<td>7&quot; x 7&quot;</td>
<td>6&quot; x 6&quot;</td>
<td>1⅛&quot;</td>
<td>4⅞&quot;</td>
</tr>
<tr>
<td>SDM-6SS</td>
<td>7&quot; x 7&quot;</td>
<td>6&quot; x 6&quot;</td>
<td>1⅛&quot;</td>
<td>4⅞&quot;</td>
</tr>
<tr>
<td>SDMR-6SS</td>
<td>6&quot; x 6&quot; Stainless Steel Drawer Magnet, Rare Earth</td>
<td>$935</td>
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All part numbers listed for custom, non-stock units are for ordering purpose only. Upon confirmation of specs a specific part number to manufacture your unit(s) will be created.

Use order form on page 225 to specify opening sizes and bolt hole specifications.
Sealed Drawer Magnets
SDM-8 Series

Painted Steel Housings

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Price</th>
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<td>Top</td>
<td>Min.</td>
<td>Max.</td>
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<tr>
<td></td>
<td></td>
<td>Bottom</td>
<td>Min.</td>
<td>Max.</td>
<td></td>
</tr>
<tr>
<td>M125</td>
<td>SDM-8</td>
<td>9” x 9”</td>
<td>4’</td>
<td>6’</td>
<td>$658</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8” x 8”</td>
<td>4’</td>
<td>6’</td>
<td></td>
</tr>
</tbody>
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Stainless Steel Housings

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Top Opening</th>
<th>Bottom Opening</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Top</td>
<td>Min.</td>
<td>Max.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bottom</td>
<td>Min.</td>
<td>Max.</td>
<td></td>
</tr>
<tr>
<td>M128</td>
<td>SDM-8SS</td>
<td>9” x 9”</td>
<td>4’</td>
<td>6’</td>
<td>$898</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8” x 8”</td>
<td>4’</td>
<td>6’</td>
<td></td>
</tr>
</tbody>
</table>

Stainless Steel Housings with Rare Earth Magnets

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Flange</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>M154</td>
<td>SDMR-8SS</td>
<td>8” x 8” Stainless Steel Drawer Magnet, Rare Earth</td>
<td>$1,378</td>
</tr>
</tbody>
</table>

All part numbers listed for custom, non-stock units are for ordering purpose only. Upon confirmation of specs a specific part number to manufacture your unit(s) will be created.
Double drawer magnets trap metal from dual material flows

This EMI innovation gives you a compact, easily cleaned method of removing tramp ferrous metal from materials flowing from two sources into a common receiver. Ideal for use between a weigh blender’s dump valve and the mixing chamber of a blender and it only adds 6½” to the overall height.

Each side of the dual drawer magnet is isolated from the other and includes an individual slide gate. Three, 1” diameter, stainless steel magnet cartridges are mounted on each clear plastic drawer front giving you a double row of protection.

These drawer magnets are customized to the application. Call EMI for prices.

Double slide gates expedite material changes

On some smaller machines, access to a drawer magnet’s standard dump tube for material evacuation is not convenient due to space constrictions. An alternative to a dump tube is the double slide gate. By closing the bottom slide gate, you can quickly remove material from the hopper and the drawer magnet’s housing.

For your special drawer magnet application requests, use the Drawer Magnet Order / Quote Form on page 225, or call EMI to discuss your application.
Drawer Magnet Order Form

Standard Top and Bottom Flange Dimensions:
- DM-4: 5” x 5”
- DM-6: 7” x 7”
- DM-8: 9” x 9”
(These can be customized)

Material Hopper Throat Diameter:
Inside Diameter:
- DM4: Max=2” / Min=7/8”
- DM6: Max=4 1/2” / Min=1 7/8”
- DM8: Max=6” / Min=4”

Machine Feed Throat Diameter:
Inside Diameter:
- DM4: Max=2” / Min=7/8”
- DM6: Max=3 3/4” / Min=1 7/8”
- DM8: Max=6” / Min=4”

Specify Type and Size:
- □ Threaded Spec
- □ Clearance Hole Diameter
- □ Thru Hole Diameter

Options:
- □ Purge Hopper (Specify Location)
- □ Tapped, Liquid Dispensing Unit
  (Specify Tap Size: ____________)
- □ Discharge Dump Tube (Specify Location)

Construction:
- □ Stainless Steel
- □ Painted Steel

Specify Type and Size:
- □ Threaded Spec
- □ Clearance Hole Diameter
- □ Thru Hole Diameter

Note: Top and bottom flanges can be different sizes and have different drill holes. Thickness = 1/4”

Options:
- □ Purge Hopper (Specify Location)
- □ Tapped, Liquid Dispensing Unit
  (Specify Tap Size: ____________)
- □ Discharge Dump Tube (Specify Location)

Construction:
- □ Stainless Steel
- □ Painted Steel

Drawer Magnet Model: ________________________
Company: ________________________________
Machine Make: ___________________________
Name: _________________________________
Oz. Size / Tonnage: _______________________
Email: _________________________________
Machine #: _____________________________
Telephone: _____________________________

Email completed form to: Sales@EMIcorp.com or fax to: 216-535-4823.
Hopper Magnets

1" diameter, stainless steel magnetic tubes

Easily mounted over the throat of your injection molding machine hopper or in your granulator’s catch bin, these reliable magnets keep ferrous metal scrap from entering your injection barrel and damaging screws, ring valves, dies and molds.

The all stainless steel construction protects your material and the angled diverters make sure material must pass over the 1" diameter magnetic tubes which are spaced only 1" apart. These hopper magnets are priced so economically, you can put one in every machine hopper or granulator bin in your plant.

Sizing suggestions:

1. Measure approximately 8” to 10” above the discharge opening. When this size is determined, check the sizing chart. If the exact size magnet is not listed, go to the next larger size which will be the standard.
2. If your measurement is between two standard sizes listed, order the larger size for maximum magnetic efficiency.

Round Unit Pricing

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Size Diameter</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>M133</td>
<td>HMR04</td>
<td>4&quot;</td>
<td>$129</td>
</tr>
<tr>
<td>M134</td>
<td>HMR06</td>
<td>6&quot;</td>
<td>$150</td>
</tr>
<tr>
<td>M135</td>
<td>HMR08</td>
<td>8&quot;</td>
<td>$215</td>
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<tr>
<td>M136</td>
<td>HMR10</td>
<td>10&quot;</td>
<td>$263</td>
</tr>
<tr>
<td>M137</td>
<td>HMR12</td>
<td>12&quot;</td>
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</table>

Square Unit Pricing

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>M138</td>
<td>HM0404</td>
<td>4&quot; x 4&quot;</td>
<td>$115</td>
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<tr>
<td>M139</td>
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<td>6&quot; x 6&quot;</td>
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<td>M140</td>
<td>HM0808</td>
<td>8&quot; x 8&quot;</td>
<td>$219</td>
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<tr>
<td>M141</td>
<td>HM1010</td>
<td>10&quot; x 10&quot;</td>
<td>$302</td>
</tr>
<tr>
<td>M142</td>
<td>HM1212</td>
<td>12&quot; x 12&quot;</td>
<td>$384</td>
</tr>
</tbody>
</table>

Note: Other sizes available, call EMI for pricing.
Eliminate contamination, ambient dirt and moisture while loading your machines and improve the look of your molding room at the same time. These durably constructed covers are made of tightly woven cotton canvas. Unlike plastic constructed covers, as your machine loader vacuums material, these covers won’t form a seal and suck into the material bin. Yet the cotton weave fits easily and snugly on the containers to keep out dirt and moisture. A clear “sight glass” window allows for visual checks on material types and levels. A port with drawstring is provided to fit around a hopper loader’s feed tube. Special sizes are available, call EMI for assistance.

Special size drum and gaylord covers

Drum Cover sizes from 22” through 30” diameter and Gaylord Cover sizes up to 48” x 50” are available. Prices include single “sight glass” window and sleeve for vacuum wand, in standard location.

Consult EMI for applications requiring additional ports or port locations other than our standard. Custom sizes and other modifications are also available.

Protect valuable barreled and boxed plastics

EMI is pleased to supply you with our high quality drum and gaylord covers. Standard sizes are stocked for immediate shipment. Other stock sizes may be added as sales warrant. Non-stock items normally ship in 2 weeks after receipt of order.

<table>
<thead>
<tr>
<th>Gaylord Covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick#</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>A101</td>
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<tr>
<td>A102</td>
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<table>
<thead>
<tr>
<th>Drum Covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick#</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>A100</td>
</tr>
</tbody>
</table>

Note: Additional ports are $14.00.

<table>
<thead>
<tr>
<th>Special Size Pricing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Size</td>
</tr>
<tr>
<td>Custom Drum Cover 22”–30”</td>
</tr>
<tr>
<td>Custom Gaylord Cover up to 48” x 50”</td>
</tr>
</tbody>
</table>