**Screen Pack Metal Filter**

**Tramp Metal Filter for all makes and models of injection molding machines.**
Screens out harmful material that may clog orifice of hot runner molds.

2” diameter filter disc has 135 holes for maximum removal of contaminants and minimum drop in pressure.
Use in place of your regular nozzle. We have the size for your machine.

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Complete assembly includes threaded end mount, 2” dia × ¾” filter disc, removable nozzle and hardened tool steel removable nozzle tip to suit your application.

Assembly MTN1Z or MTN2 consists of:
- MTN1A ................ Adapter to suit machine
- MTN1 .................. Nozzle
- SPFD1 .................. Filter
- RTG, RTN or RTT ...... Tip

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<table>
<thead>
<tr>
<th>Machines with Thread Size of 50mm (2”) or Less</th>
<th>Machines with Thread Size Over 50mm (2”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Part Number</td>
</tr>
<tr>
<td>General Purpose or Nylon</td>
<td>MTN1Z</td>
</tr>
<tr>
<td>ABS Full Taper</td>
<td>MTN1C</td>
</tr>
</tbody>
</table>

**Ordering:** Specify radius, orifice, and complete information above.
For thermocouple hole ~Specify thread
New design nozzle filter for tramp metal—provides all the benefits of huge filtering capacity and from stock shipment, to get you running without delay. Uses standard Adapters with thread to suit your machine, standard “VR” nozzles, with 1¾” thread and regular replacement tips.
Low cost effective device to aid in color dispersion with minimum pressure drop. Disk is located in front portion of nozzle, directly behind nozzle tip or in front portion of nozzle (requires recess in tip or nozzle). Removes fish eyes and unplasticized particles. Also provides general dispersion.

**Recess tips:**
- General Purpose: RTR1
- Nylon Taper: NTR1
- ABS: ABR1

**Dispersion Disk Filter**
- **Nozzle Recess**
  - DD1: 9 × .045” holes

**Filter Disk DD1 recessed into nozzle**

**Filter Disk FD001-3 recessed into tip**

<table>
<thead>
<tr>
<th>Type</th>
<th>No. of Holes</th>
<th>Diameter of Each Hole</th>
<th>Total Area of Holes</th>
<th>Equiv. Orifice</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle Recess</td>
<td>9</td>
<td>.045”</td>
<td>.0143 sq. in.</td>
<td>0.135”</td>
<td>DD1</td>
</tr>
<tr>
<td>Tip Recess</td>
<td>49</td>
<td>.025”</td>
<td>.024 sq. in.</td>
<td>0.175”</td>
<td>FD001</td>
</tr>
<tr>
<td>Tip Recess</td>
<td>37</td>
<td>.031”</td>
<td>.028 sq. in.</td>
<td>0.189”</td>
<td>FD002</td>
</tr>
<tr>
<td>Tip Recess</td>
<td>7</td>
<td>.093”</td>
<td>.048 sq. in.</td>
<td>0.250”</td>
<td>FD003</td>
</tr>
</tbody>
</table>

**FD001, FD002 & FD003 Nozzle Tip Recess Filter**
- Holes: 49, 37, 7
  - FD001: .20”
  - FD002: .520”
  - FD003: .993”

**Software Compatibility**
- Hole dia. 20°
- ¼” – 14 Thread

**Filter Disk FD-type filter disk in machined recess in rear of regular tip**
Metal Filter Adaptor

- Use standard 1¾–8 Van Dorn style nozzle
- Filter Pack made from 507 steel and hardened to 60 Rockwell
- Filters foreign matter & mixes color
- Split design for easy cleaning
- Large filter capacity
- Specify thread size & make of press

Your Specs:
A = Thread detail
B = Through hole
C = Rear opening
D = Pilot dia
E = Pilot length
F = Thread length
G = Over all length