Spinaire Pre-Cleaner
On New Holland Tractor

Market Application Publication

Application
Air pre-cleaner mounted on New Holland Tractor.

The Problem
Due to the dusty environment, the air filter elements were getting plugged twice a day and needed to be cleaned. The elements had to be replaced every three days.

Why was Racor chosen as the solution?
Racor has a wide selection of pre-cleaners available. A Racor Spinaire pre-cleaner was suggested to extend element changes.

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How the Solution Works
Since putting the Racor Spinaire pre-cleaner on, the customer does not have to clean the element twice a day and has gone to changing the element every 3 weeks, rather than every three days.

Product Features
Works for a wide range of applications and flow rates. Steel housing, black powder coat or stainless steel. High air flow, low differential design. The Spinaire pre-cleaner is self-powered and self-cleaning, requiring no electrical or exhaust gas power to dispose of separated particles. It requires no maintenance and should be inspected occasionally to insure that no foreign material has plugged intake or exhaust port areas.
### Spinaire Pre-cleaners

<table>
<thead>
<tr>
<th>Specifications</th>
<th>123583440</th>
<th>123583550</th>
<th>123583660</th>
<th>123583665</th>
<th>123583770</th>
<th>123583990</th>
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</thead>
<tbody>
<tr>
<td><strong>Maximum Flow Rate</strong></td>
<td>300 CFM (8.5 CMM)</td>
<td>520 CFM (14.7 CMM)</td>
<td>740 CFM (21.0 CMM)</td>
<td>580 CFM (16.4 CMM)</td>
<td>1190 CFM (33.7 CMM)</td>
<td>1850 CFM (52.4 CMM)</td>
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<tr>
<td><strong>Height</strong></td>
<td>4.8 in. (12.2 cm)</td>
<td>7.1 in. (18.0 cm)</td>
<td>7.1 in. (18.0 cm)</td>
<td>7.1 in. (18.0 cm)</td>
<td>7.3 in. (18.5 cm)</td>
<td>8.1 in. (20.3 cm)</td>
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<tr>
<td><strong>Weight</strong></td>
<td>5.0 lbs (2.3 kg)</td>
<td>8.0 lbs (3.6 kg)</td>
<td>9.0 lbs (4.1 kg)</td>
<td>8.0 lbs (3.6 kg)</td>
<td>11.0 lbs (5.0 kg)</td>
<td>14.0 lbs (6.3 kg)</td>
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<tr>
<td><strong>Diameter</strong></td>
<td>8.3 in. (21.1 cm)</td>
<td>10.6 in. (26.9 cm)</td>
<td>12.3 in. (31.2 cm)</td>
<td>10.6 in. (26.9 cm)</td>
<td>14.1 in. (35.8 cm)</td>
<td>17.1 in. (43.4 cm)</td>
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<tr>
<td><strong>Inlet Diameter</strong></td>
<td>4.0 in. (10.2 cm)</td>
<td>5.0 in. (12.7 cm)</td>
<td>6.0 in. (15.2 cm)</td>
<td>6.0 in. (15.2 cm)</td>
<td>7.0 in. (17.8 cm)</td>
<td>9.0 in. (22.9 cm)</td>
</tr>
</tbody>
</table>

**Notes:**
- CFM = cubic feet per minute
- CMM = cubic meters per minute