**INTRODUCTION**

The Dust Collector Valve is designed specifically for lighter duty applications, such as gravity flow or bottom of dust collectors handling light loads and non-abrasive products.

These units have direct drive right angle gearboxes, inboard bearings and lip seals; making them very cost competitive.

These dust collector valves have been engineered and designed solely as a low cost solution for applications with pressure differentials of 3 psi or less.

Rotolok can offer a range of Dust Collector Valves meeting NFPA explosive standards. Please contact us for further details.

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**SPECIFICATION**

The general market place covers Cyclones, Bag Houses and Gravity Feed applications with pressures around +/- 3 psi

**Body**

Cast Iron Precision Bored

**End Covers**

Cast Iron Precision Machined and Spigot Located into Valve Body

**Rotor**

Fabricated Mild Steel Closed (Shrouded) Type Fully Machined

**Bearings**

Ball Type Rigged Inboard Sealed for Life

**Seal**

Shaft Seals Rubber Lip Type

**Drive**

Motorised Worm Box Shaft Mounted on Rotor and Fitted with Standard I.E.C. Motor TEFC 3PH/50Hz Flange Mounted to Worm Box

**Valve Speed**

Sizes 150 & 200 - 23 RPM

Sizes 250 & 300 - 23 RPM

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**SQUARE INLET**

![Square Inlet Diagram]

All dimensions are in Inches

<table>
<thead>
<tr>
<th>SIZE</th>
<th>ft³/hr @ 1 rpm</th>
<th>H/P</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>H</th>
<th>O</th>
<th>P</th>
<th>T</th>
<th>U</th>
<th>WEIGHT (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6”</td>
<td>5</td>
<td>1/2</td>
<td>6”</td>
<td>9 1/4”</td>
<td>1/2”</td>
<td>11”</td>
<td>11 3/4”</td>
<td>5 3/4”</td>
<td>14”</td>
<td>12</td>
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<td>2 3/4”</td>
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<td>8”</td>
<td>12.7</td>
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<td>8”</td>
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<td>10”</td>
<td>25.6</td>
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<td>15”</td>
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*Conversion: Divide cubic feet/hr by 35.31 to obtain cubic metre/hr.*

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**CIRCULAR INLET**

![Circular Inlet Diagram]

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<th>O</th>
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Dimensions are approximate and subject to change without notice
Planning-in detail for general guidance only
(To cover safety aspects ask for our safety leaflets)
Drillings are Rotolok standards. Variations can be made.