Compact dimensions
Compressed air driven
Low sound level
Easy installation

Technical Data
Medium:
Compressed air, filtered and non-lubricated
Operation:
Single stage ejector
Operating Pressure:
5 bar optimum
8 bar maximum
Vacuum:
- 0.85 bar maximum
Operating Temperature:
+150˚C
Weight:
0.054 kg
Sound Level:
66/74 dB (A) vacuum port closed/ open
Materials:
Anodised aluminium housing, brass nozzles

Ordering Information
To order a vacuum pump
quote: M/58112/09

Accessories
See page
Pneumatic vacuum switch N 4.3.101.01
Electric vacuum switch N 4.3.111.01
Electronic vacuum switch N 4.3.121.01
Flat suction cups N 3.5.011.01
Bellows suction cups N 3.5.031.01
Vacuum gauge N 3.4.015.03

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document.

For your local Norgren Technical Sales Centre phone 0345 662266. For your local Norgren Distributor phone 0345 227777.
IMI Norgren Limited, PO Box 22, Eastern Avenue, Lichfield, Staffordshire WS13 6SB
**Characteristics** (All values given apply to an atmospheric pressure of 1013 mbar)

### Induced air (Nl/min), free air

<table>
<thead>
<tr>
<th>Model</th>
<th>-0.1</th>
<th>-0.2</th>
<th>-0.3</th>
<th>-0.4</th>
<th>-0.5</th>
<th>-0.6</th>
<th>-0.7</th>
<th>-0.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/58112/09</td>
<td>28</td>
<td>24</td>
<td>18</td>
<td>14</td>
<td>11</td>
<td>8</td>
<td>5.5</td>
<td>3</td>
</tr>
</tbody>
</table>

### Time (sec) for evacuation of 1 litre volume to vacuum

<table>
<thead>
<tr>
<th>Model</th>
<th>-0.1</th>
<th>-0.2</th>
<th>-0.3</th>
<th>-0.4</th>
<th>-0.5</th>
<th>-0.6</th>
<th>-0.7</th>
<th>-0.8</th>
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<td>M/58112/09</td>
<td>0.27</td>
<td>0.56</td>
<td>0.89</td>
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<td>2.00</td>
<td>2.88</td>
<td>4.31</td>
<td>7.97</td>
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</tbody>
</table>

Note: Values given in the tables are theoretical and apply to an operating pressure of 5 bar

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**Warning**

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under ‘Technical Data’.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

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**Basic Dimensions**

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**Tube Dimensions**

Recommended tube dimensions (internal diameter)

<table>
<thead>
<tr>
<th>Model</th>
<th>Compressed air</th>
<th>Vacuum</th>
<th>Exhaust</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/58112/09</td>
<td>≥ Ø 3</td>
<td>≥ Ø 6</td>
<td>≥ Ø 6</td>
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</tbody>
</table>

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**Operating Pressure**

<table>
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<th>-0.2</th>
<th>-0.3</th>
<th>-0.4</th>
<th>-0.5</th>
<th>-0.6</th>
<th>-0.7</th>
<th>-0.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/58112/09</td>
<td>28</td>
<td>24</td>
<td>18</td>
<td>14</td>
<td>11</td>
<td>8</td>
<td>5.5</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: Values given in the tables are theoretical and apply to an operating pressure of 5 bar