The RJL range comprises of Tungsten Carbide lined long venturi nozzles with a Rubber Jacket. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the Rubber Jacket provides impact resistance for tough environments. Long venturi nozzles are used in standard applications in which the blaster operates at a distance of more than 30 cm (or 12”) from the surface.

The RJL series are available with a 32 mm (1¼”) inlet and a large thread, with an orifice range from 4,8 mm to 19 mm.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.

Airblast offers a full selection of nozzles with various orifice sizes, nozzle lengths, insert and liner materials. Contact Airblast to discuss which nozzle is most suitable for your specific application.
Blast hose ID
16.0 mm

RJL-8/50 TC Nozzle with large 50 mm thread
9.5 mm
170 mm

RJL-10/50 TC Nozzle with large 50 mm thread
20.0 mm
235 mm

RJL-12/50 TC Nozzle with large 50 mm thread
19.0 mm
235 mm
32 mm

effects of nozzle wear on air consumption must be considered when selecting nozzles and the compressors that support them.

Based on abrasive density of 1.5 kgs. per liter.

Hose ID should be three to four times the size of the nozzle orifice.

Blast machine capacity should allow 20 to 30 minutes of blasting.

Note:
- m³/min and CFM range is based on blasting at 7 bar (100 psi) for the life of the nozzle.
- Figures may vary depending upon working conditions. To maintain desired air pressure as nozzle orifice wears, air consumption increases.

COMPATIBILITY GUIDE

<table>
<thead>
<tr>
<th>No.</th>
<th>Nozzle Orifice</th>
<th>Recommended range</th>
<th>Minimum Blast Machine capacity</th>
<th>Minimum Pipe ID</th>
<th>Blast Hose ID</th>
<th>Minimum Air Hose ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>5.0 mm</td>
<td>1.27 - 2.29</td>
<td>45 - 81</td>
<td>60 ltr.</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>4</td>
<td>6.5 mm</td>
<td>2.29 - 3.88</td>
<td>81 - 137</td>
<td>60 ltr.</td>
<td>1&quot; - 1¼&quot;</td>
<td>1½&quot;</td>
</tr>
<tr>
<td>5</td>
<td>8.0 mm</td>
<td>3.88 - 5.55</td>
<td>137 - 196</td>
<td>100 ltr.</td>
<td>1&quot; - 1¼&quot;</td>
<td>1½&quot;</td>
</tr>
<tr>
<td>6</td>
<td>9.5 mm</td>
<td>5.55 - 7.19</td>
<td>196 - 254</td>
<td>200 ltr.</td>
<td>1½&quot; - 1¼&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>7</td>
<td>11.0 mm</td>
<td>7.19 - 9.57</td>
<td>254 - 338</td>
<td>200 ltr.</td>
<td>1½&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>8</td>
<td>12.5 mm</td>
<td>9.57 - 15.52</td>
<td>338 - 548</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Best performance is obtained when sizes of nozzle, blast machine piping, blast hose and air hose are properly matched.

The effects of nozzle wear on air consumption must be considered when selecting nozzles and the compressors that support them.

The Art of Powerful Cleaning...
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