AIR SAVER HIGH-THRUST JETS

Don’t buy another compressor...change over to High Thrust Jets...cut noise and energy too!

Heavy blow-off and air conveying jobs can overwork your compressor and shorten the time between expensive overhauls. A 1/4” (6mm) air tube uses the entire output of a 10-hp (7.5 kW) compressor, sending energy costs out of sight, hitting 100 dBA noise levels, and violating OSHA dead-end air pressure limits.

Air Saver Jets give you an edge with air amplification. Safer and quieter, they amplify compressed air flows four times, delivering high thrust with a fraction of the air used by open air lines. Plant-wide changeover to Jets is like adding compressor capacity. They’ll:

- cut your energy bills
- increase air flow with lower noise level
- reduce demand on your compressor
- give you a return on investment in weeks, if not days

How do High-Thrust Jets work?

Air Saver High-Thrust sets release a tiny amount of compressed air at near-sonic velocity through a fine, internal, ring-shaped nozzle. The high-speed “tube” of air ejected through the front creates a strong vacuum behind itself, pulling additional surrounding air through the rear of the jet, while pushing the ambient air in front.

Two models: adjustable unit for easy set-up or fixed flow unit with air-conveying capability

Air Adjustable High-Thrust Jets simplify set-up and system change because you can alter the flow and thrust with a quick twist of the nozzle. Its micrometer scale allows you to set it for 4.7 to 18.4 oz. (133 g to 521g) of thrust at 12” (300mm), with 80 PSIG (5 BAR) input.

Just install it on your air line and set it to do the job.

The In-Line Air Jet is ideal for retrofitting open air line blow-off applications where system set-up does not change frequently. It can also air-convey fine granular product, with a 3/4” (19mm) diameter inlet for attachment of tubing. It develops 180” W.C. suction and 5.6 oz. (150 g) thrust with 80 PSIG (5 BAR) air.

Jet Blow-Off Force in Ounces of Thrust

<table>
<thead>
<tr>
<th>Distance from Target</th>
<th>Air Pressure (PSIG)</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
<th>90</th>
<th>100</th>
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</thead>
<tbody>
<tr>
<td>6”</td>
<td></td>
<td>3.0</td>
<td>5.0</td>
<td>7.5</td>
<td>9.5</td>
<td>11.8</td>
<td>14.5</td>
<td>16.5</td>
<td>20.0</td>
<td>22.2</td>
</tr>
<tr>
<td>12”</td>
<td></td>
<td>2.9</td>
<td>4.9</td>
<td>6.9</td>
<td>8.8</td>
<td>11.5</td>
<td>13.4</td>
<td>16.2</td>
<td>18.9</td>
<td>21.4</td>
</tr>
<tr>
<td>18”</td>
<td></td>
<td>2.3</td>
<td>3.9</td>
<td>5.6</td>
<td>7.1</td>
<td>9.3</td>
<td>11.1</td>
<td>13.7</td>
<td>15.7</td>
<td>17.4</td>
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</tbody>
</table>

Use High-Thrust Jets for:

- Ejecting parts
- Blow-off of chips, trim scrap, dust
- Air conveying dusts, powders and fibers
- Parts cleaning before painting
- Cooling extrusions
- Cleaning/cooling of plastic parts
- Cleaning/conveying of conveyors

Advantages of High-Thrust Jets:

- Low initial and operating costs
- Meet OSHA noise and dead-end pressure requirements
- Easy to control flow/force
- Instant on/off
- No maintenance, no moving parts
- No electricity or explosion hazard
- No RF/EMI interference
- No vibration
- Solid brass construction
- Model 38038 dead-ended suction @80 PSIG: 18 SCFM in 189º water

Model # | Throat Dia | AMP Ratio | Output @ 80 PSIG | Setting | PRICE |
<table>
<thead>
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<tr>
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<td>.38</td>
<td>4:1</td>
<td>104 SCFM</td>
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WebSite: www.molderschoice.com E-mail: molders@molderschoice.com