## AirBurst General Arrangements

### Horizontal (AB-H series)
- Self-contained electrical/plumbing connections
- Lowest startup time (pre-tested)

### Vertical (AB-V series)
- Smallest overall footprint
- Separate air receiver (on-site connection)

### Table

<table>
<thead>
<tr>
<th>OPTION</th>
<th>AIR RECEIVER (GAL)</th>
<th>COMPRESSOR (HP)</th>
<th>DEPTH IN (MM)</th>
<th>WIDTH IN (MM)</th>
<th>HEIGHT IN (MM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB-H80</td>
<td>80</td>
<td>3</td>
<td>63 (1600)</td>
<td>29 (737)</td>
<td>61 (1549)</td>
</tr>
<tr>
<td>AB-H120</td>
<td>120</td>
<td>3</td>
<td>67 (1702)</td>
<td>35 (889)</td>
<td>65 (1651)</td>
</tr>
<tr>
<td>AB-H200</td>
<td>200</td>
<td>5</td>
<td>72 (1829)</td>
<td>43 (1092)</td>
<td>71 (1803)</td>
</tr>
<tr>
<td>AB-H240</td>
<td>240</td>
<td>5</td>
<td>84 (2134)</td>
<td>43 (1092)</td>
<td>71 (1803)</td>
</tr>
<tr>
<td>AB-H400</td>
<td>400</td>
<td>7.5</td>
<td>93 (2362)</td>
<td>45 (1143)</td>
<td>76 (1930)</td>
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<tr>
<td>AB-H500</td>
<td>500</td>
<td>10</td>
<td>117 (2972)</td>
<td>45 (1143)</td>
<td>76 (1930)</td>
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<tr>
<td>AB-H660</td>
<td>660</td>
<td>15</td>
<td>120 (3048)</td>
<td>48 (1219)</td>
<td>86 (2184)</td>
</tr>
<tr>
<td>AB-V5</td>
<td>—</td>
<td>3-10</td>
<td>36 (914)</td>
<td>45 (1143)</td>
<td>74 (1880)</td>
</tr>
<tr>
<td>AB-V15</td>
<td>—</td>
<td>15-30</td>
<td>36 (914)</td>
<td>50 (1270)</td>
<td>74 (1880)</td>
</tr>
</tbody>
</table>

- Custom arrangements can be configured for any series
- Horizontal arrangements are not recommended for air receivers larger than 660 gallon
- Compressor selection for AB-H series assumes 20 min max recharge time between bursts
- Valve manifold arrangements and quantities vary depending on project (2 valves shown for reference)
- Control panel height varies based on complexity of function - smallest panel size shown

Air receiver shown for reference
AirBurst Control Scheme

Manual
- Manual actuation of valve (hand or solenoid button)
- Visual validation of pressure set points
- Limited control of burst size

Plant
- Control of valves remotely through plant SCADA
- Includes junction box with solenoid inputs to control valves
- Well-suited for new plants (include with new system programming)

Standard
- Standard control panel for configuring and initiating burst sequences
- Includes PLC and HMI touchscreen for simple operation
- Control of system locally or through plant SCADA
- Well-suited for existing plant retrofits

Major Components

- Standard packages include 480V input to control panel, but can be tailored to site supply conditions
- Event timer is preferred control method, but burst initiation by clogging measurement can be accommodated (differential pressure or water level)
- Valves are pneumatically operated
- Filters and regulators used for control air system
- Trailer-mounted systems available