Model IAS
In-Line® Air Separator

• One piece cast iron construction
• Efficiently separates air
• Never requires servicing
• No moving parts
• Compact design
• Easily installed
DESCRIPTION
The B&G In-Line Air Separator is specifically designed to efficiently separate air from circulating water in hydronic heating and cooling systems to assure quiet operation.

TYPICAL APPLICATIONS

DIMENSIONS & WEIGHTS

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>PART NUMBER</th>
<th>SIZE INCHES NPT</th>
<th>DIMENSIONS – INCHES (MM)</th>
<th>APPROX. SHIP. WT. LBS. (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAS-1</td>
<td>112118</td>
<td>1&quot;</td>
<td>A: 6¼, B: 3¼, C: 1¼, D: 1¼, E: 3/10, F: 1/10, G: 2/8</td>
<td>3¼ (1.7)</td>
</tr>
<tr>
<td>IAS-1/4</td>
<td>112119</td>
<td>1¼&quot;</td>
<td>(156) (89) (45) (45) (78) (33) (73)</td>
<td>3/8 (1.6)</td>
</tr>
<tr>
<td>IAS-1/2</td>
<td>112097</td>
<td>1½&quot;</td>
<td>8¼, 4¼, 2¼, 2/8, 4¼, 1¼, 4</td>
<td>8¼ (3.9)</td>
</tr>
<tr>
<td>IAS-2</td>
<td>112098</td>
<td>2&quot;</td>
<td>(207) (114) (57) (56) (103) (48) (102)</td>
<td>7½ (3.4)</td>
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<tr>
<td>IAS-2/2</td>
<td>112099</td>
<td>2½&quot;</td>
<td>10¼, 6½, 3¼, 2¼, 5/10, 2½, 5/8</td>
<td>23 (10.4)</td>
</tr>
<tr>
<td>IAS-3</td>
<td>112100</td>
<td>3&quot;</td>
<td>(257) (162) (81) (70) (129) (59) (149)</td>
<td>21½ (9.8)</td>
</tr>
</tbody>
</table>

TYPICAL SPECIFICATIONS
Furnish and install as shown on plans a horizontal in-line air separator designed to effectively separate free air in hydronic heating/cooling systems. The air separator shall be heavy duty cast iron designed to function satisfactorily at working pressures up to 175 psi (12.1 bar) and liquid temperatures up to 300°F (149°C). The air separator shall have an integral weir designed to decelerate system flow to maximize air separation.

NOTE: Choose either A or B to complete this specification.

A. For Use with Conventional Compression Tanks (Excludes IAS-1 and IAS-1/4)
The in-line air separator shall also assist in controlling free air in the system by directing the air to a conventional compression tank while reduced oxygenated water is circulated to the system. The in-line air separator shall allow expansion of the system fluid to be directed to the compression tank.

B. For Use with Precharged Bladder and Diaphragm Expansion Tanks
The in-line air separator shall also assist in eliminating free air from the system by directing the air to an air vent attached to the separator while reduced oxygenated water is circulated to the system. The in-line air separator shall allow expansion of the system fluid to be directed to a precharged (CHOOSE ONE: BLADDER OR DIAPHRAGM) expansion tank.

The in-line air separator shall be Bell & Gossett Airtrol Model No. IAS-______ In-Line Air Separator.