

**SPECIFICATIONS** Rolairtrol Air Separator

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SECTION 23 21 16

Hydronic Piping Specialties

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

# Unit shall be a Bell & Gossett® Rolairtrol®, as manufactured by Xylem.

**1.02 RELATED SECTIONS**

1. Section 23 01 70 – Operation & Maintenance of Central HVAC Equipment
2. Section 23 20 00 – HVAC Piping and Pumps
3. Section 23 21 13 – Hydronic Piping

**1.03 REFERENCES**

1. ASME – American Society of Mechanical Engineers.
2. ANSI – American National Standards Institute.
3. ISO – International Standards Organization.

**1.04 SUBMITTALS**

1. Submit data cover sheet.
2. Dimensional print(s).
3. Sales bulletin.
4. Installation, operation & maintenance manual.

**1.05 QUALITY ASSURANCE**

1. The product manufacturer shall be fully certified by the International Standards Organization
per ISO 9001.

# The manufacturer shall carry a minimum product liability insurance of $5,000,000.00 per occurrence.

**1.06 MAINTENANCE MATERIAL SUBMITTALS**

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

# Subject to compliance with these specifications, the following manufacturers shall be acceptable:

1. Air Separator
2. Xylem Inc. Bell & Gossett® Rolairtrol Model R-\_\_\_\_ or RL-\_\_\_\_.
3. Pre-approved equal.

**2.02 COMPONENTS**

1. Air Separator
2. The Air Separator shall be designed, constructed, and stamped in accordance with Section VIII, Division I of the ASME Boiler and Pressure Vessel Code, and registered with the National Board of Boiler and Pressure Vessel Inspectors.
3. The Air Separator shall be rated for \_\_\_\_ psi (\_\_\_\_\_\_ kPa) maximum working pressure.
4. The Air Separator shall have a maximum temperature rating of 350°F (177°C).
5. The Air Separator body shall be made of cast iron or carbon steel.
6. The Air Separator body shall be three times the nominal inlet/outlet pipe diameter.
7. The Air Separator shall include threaded blow down connection to allow for sediment to be regularly cleaned out of the unit.
8. The Air Separator shall include a threaded air removal connection on top of the unit so an air vent or expansion/compression tank can be connected, allowing collected air to be removed from the unit.
9. The Air Separator shall include a perforated baffle with 3/16” perforations and 51% open area (R- Models only). The baffle shall be made of carbon steel (R- Models only).
10. The Air Separator shall include a removable perforated strainer with 3/16” perforations and 51% open area (R- Models only). The removable strainer shall be made of 304 stainless steel (R- Models only).
11. The Air Separator shall be available with either NPT end connections (2” thru 3” sizes only), flanged end connections, or grooved end connections.
12. Flange end connections should be designed according to ANSI Standards.

**2.03 ACCESSORIES**

1. Air Separator Accessories
2. Blowdown Valve.
3. Air Vent

**PART 3 EXECUTION**

* 1. **INSTALLATION**
1. Install Air Separator in accordance with manufacturer’s instructions.

# Unit shall be a Bell & Gossett® Rolairtrol Model R-\_\_\_\_ or RL-\_\_\_\_ as manufactured by Xylem.

###### END OF SECTION



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