

Rolairtrol® Air Separator

SECTION 23 21 16
Hydronic piping specialties

Part 1 - General

1.01 Section includes:

- A. Unit shall be a Bell & Gossett Rolairtrol, as manufactured by Xylem.

1.02 Related sections:

- A. Section 23 01 70 – Operation and Maintenance of Central HVAC Equipment
- B. Section 23 20 00 – HVAC Piping and Pumps
- C. Section 23 21 13 – Hydronic Piping

1.03 References:

- A. ASME – American Society of Mechanical Engineers.
- B. ANSI – American National Standards Institute.
- C. ISO – International Standards Organization.

1.04 Submittal:

- A. Submit data cover sheet.
- B. Dimensional print(s).
- C. Sales bulletin.
- D. Installation, operation and maintenance manual.

1.05 Quality assurance:

- A. The product manufacturer shall be fully certified by the International Standards Organization per ISO 9001.
- B. 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:

- A. Subject to compliance with these specifications, the following manufacturers shall be acceptable:
 - 1. Air Separator
 - a. Xylem Inc. Bell & Gossett Rolairtrol Model R-____ or RL-____.
 - b. Pre-approved equal.

2.02 Components:

A. Air Separator

1. 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.
2. The Air Separator shall be rated for ____ psi (____ kPa) maximum working pressure.
3. The Air Separator shall have a maximum temperature rating of 350°F (177°C).
4. The Air Separator body shall be made of cast iron or carbon steel.
5. The Air Separator body diameter shall be three times the nominal inlet/outlet pipe diameter.
6. The Air Separator shall include threaded blow down connection to allow for sediment to be regularly cleaned out of the unit.
7. 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.
8. R Models only - The Air Separator shall include a perforated baffle with 3/16" perforations and 51% open area. The baffle shall be made of carbon steel.
9. R Models only - The Air Separator shall include a removable perforated strainer with 3/16" perforations and 51% open area. The removable strainer shall be made of 304 stainless steel.
10. The Air Separator shall be available with either NPT end connections (2" thru 3" sizes only), flanged connections (3" thru 36"), or grooved connections (3" thru 12").
11. Flange end connections should be designed according to ANSI Standards.

2.03 Accessories:

A. Air Separator accessories:

1. Blowdown valve
2. Air vent

Part 3 - Execution

3.01 Installation:

- A. Install Air Separator in accordance with manufacturer's instructions.
- B. Unit shall be a Bell & Gossett Rolairtrol Model R-____ or RL-____ as manufactured by Xylem.

End of section

Xylem xylem.com/bellgossett

This information is subject to change without notice. All information presented herein is believed reliable and in accordance with accepted engineering practices. Xylem makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Xylem assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.

© 2026 Xylem Inc. or its affiliates. All rights reserved. Xylem and Bell & Gossett are registered trademarks of Xylem Inc. or one of its subsidiaries. All other trademarks or registered trademarks are the property of their respective owners.

BG-ROLSP-100073 R2 10/2026

Learn more
about Rolairtrol
air separators



xylem
Let's Solve Water