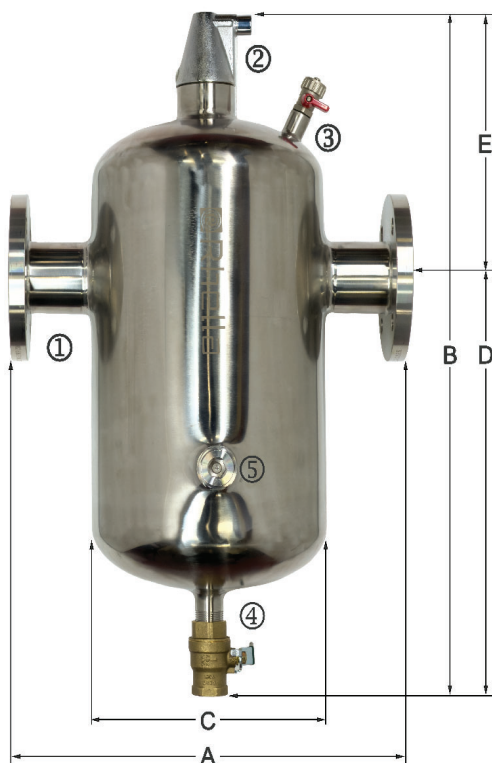




3 in 1 Stainless Steel Air Separators

• Flanged Connections



1. Connection - Flange Size
2. Air Vent Port 2" FG
3. Purge Port 1/2" FNPT
4. Drain Port 1" MNPT
5. Removable Dirt Magnet

Rhella 3-in-1 Air & Dirt Separators are engineered to protect hydronic heating and cooling systems from the harmful effects of entrained air, suspended debris, and ferrous contaminant. Constructed from high-grade 304 stainless steel, the air separator provides excellent corrosion resistance, durability, and long-term reliability in both heating and chilled-water applications

Benefits:

- **Improved System Efficiency:** Removing entrained air, suspended debris, and ferrous contaminants helps maintain clean heat-transfer surfaces and hydraulic passages. This supports efficient operation of heat exchangers, boilers, radiators, and other hydronic system components. The removal of contaminants also helps reduce abrasive wear and air-related operating issues affecting circulator pumps, impellers, and mechanical seals.
- **Corrosion Control:** Removing oxygen-rich air and ferrous corrosion products from the circulating fluid helps reduce conditions that contribute to oxidation and corrosion within the hydronic system.
- **Simpler Maintenance:** The integrated automatic air vent, magnetic separator, collection chamber, and service drain simplify routine system maintenance and reduce the need for manual air purging and system cleaning
- **Integrated Fill Port:** A dedicated side connection serves as a convenient port for the expansion tank and system fill. This integrated design eliminates the need to source and install a separate fill tee elsewhere in the piping network, simplifying installation and reducing potential leak points.
- **Advanced Air Elimination:** Internal 304 Stainless Steel Pall Rings act as a high-efficiency coalescing matrix, aggregating micro-bubbles into larger ones. These are automatically discharged through an automatic air vent.

Dual-Stage Debris Removal:

- **Dirt Filtration:** The controlled flow velocity allows suspended dirt and non-magnetic particles to settle at the bottom of the unit for easy removal via the service drain.
- **Ferrous Contamination:** An integrated, removable M50 grade Neodymium magnetic rod captures ferrous particles, preventing abrasive wear on pumps and valves.
- **Low Maintenance Design:** The integrated automatic air vent, magnetic separator, collection chamber, and service drain simplify routine system maintenance and reduce the need for manual air purging and system cleaning

Technical Specifications:

- 304 stainless steel body and Pall rings
- Connections: 4 x ANSI B16.5 Class 150 Flanges
- Magnet: M50 grade Neodymium rod, 12,000 gauss, temperature rated to 90°C
- Maximum Operational Pressure: 150 PSI
- Maximum Operation temperature: 210°F
- Fluids: water, max. 50% glycol

Included:

- 1 x Air separator
- 1 x Purge valve
- 1 x TACO 4900 Air Vent
- 1 x Dirt magnet
- 1 x Drain valve

Flanged Connection Models

Model# SKU	Dirt Magnet	Pall Rings	1. Size	Flow GPM	Dimension - mm					Weight	
					A	B	C	D	E	lb	kg
AIR250P	✓	✓	2-1/2"	108	464	720	273	430	290	51	23.1
AIR300P	✓	✓	3"	144	516	750	325	445	305	67	30.4
AIR400P	✓	✓	4"	398	516	780	325	465	315	76	34.5
AIR600P	✓	✓	6"	572	705	920	400	530	390	114	51.7