

Model RVC

Rotary Airlock



Provides Continuous Feeding Of Waste Or Product While Maintaining A Positive Air Seal

REES RVC Rotary Airlocks are used in pneumatic conveying systems at gravity fed discharges of cyclones and filters. some industries of usage are wood, grain, ceramics, and plastics. The airlock holds pressure or vacuum in the air system while continuously feeding the waste to a transfer system or storage bin.

By determining the type of waste produced and volume rate, Rees sales engineers can properly size a rotary airlock to handle most applications.

Every REES airlock is built to withstand continuous online duty. All components are ruggedly built to hold up under heavy duty operation.

In production since 1979, the REES RVC Rotary Airlock has been thoroughly field tested. Our first airlock is still in use at a furniture plant in Fort Smith, Arkansas, and we continue to re-evaluate the design, performance, and durability on a regular basis.

REES

Dust Collection/ Steel Fabrication

Standard Features

Housing

- 10 GA carbon steel housing
- 3/8" removable side plates with gaskets
- Round flanged inlet and outlet
- All-welded construction
- Smooth interior surface for free flow of waste
- Lifting lugs for easier installation

Quick Release Clamps

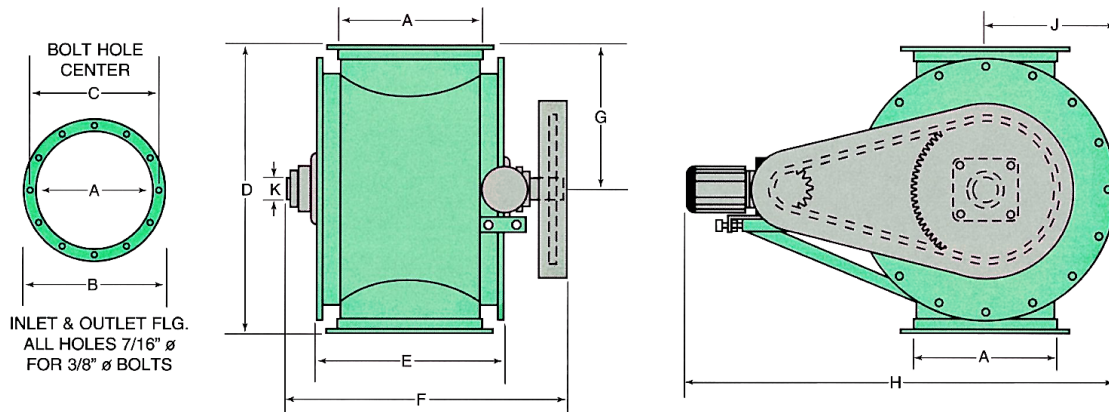
- 3/8" heavy duty rubber wippers
- 1/4" vane mounting plate reinforced with 10 GA CS
- Extremely mounted, flanged ball-bearings

Drive Assembly

- Chain and sprocket drive with guard
- Heavy duty worm gear reducer
- TEFC motor with C-faced direct mount
- Easily adjustable chain tension bolts with lock nuts

Performance Data

| Model No. | No. of Vanes | Motor | RPM | Cubic Ft. Per REV. | Cubic Ft./Min. | | | | Weight |
|-----------|--------------|-------------|------|--------------------|----------------|------|-------|-------|----------|
| | | | | | 40% | 50% | 60% | 100% | |
| RVC-12 | 4 | 2 HP - 3 PH | 30.6 | 2.4 | 29.4 | 36.7 | 44 | 73.5 | 450 lb. |
| RVC-16 | 6 | 2 HP - 3 PH | 24.7 | 5.5 | 54.3 | 67.9 | 81.5 | 135.8 | 750 lb. |
| RVC-20 | 6 | 3 HP - 3 PH | 20 | 9.8 | 78.4 | 98 | 117.6 | 196 | 950 lb. |
| RVC-24 | 6 | 3 HP - 3 PH | 20 | 15.8 | 1236 | 158 | 189.6 | 316 | 1325 lb. |
| RVC-30 | 6 | 5 HP - 3 HP | 15 | 44.2 | 265 | 331 | 397.8 | 663 | 1500 lb. |



Dimensional Data (in inches)

| Model No. | A | B | C | No. of Bolt | D | E | F | G | H | J | K |
|-----------|--------|--------|--------|-------------|--------|--------|--------|--------|----|----------|---------|
| RVC-12 | 12 1/8 | 15 1/8 | 14 | 8 | 27 | 15 7/8 | 24 3/4 | 13 1/2 | 45 | 11 9/16 | 1 15/16 |
| RVC-16 | 16 1/8 | 19 1/8 | 18 | 8 | 32 3/4 | 21 1/2 | 32 | 16 3/8 | 50 | 14 15/16 | 2 7/16 |
| RVC-20 | 20 1/8 | 23 1/8 | 21 3/4 | 12 | 37 1/4 | 24 | 35 | 18 5/8 | 57 | 17 | 2 7/16 |
| RVC-24 | 24 1/8 | 27 7/8 | 25 7/8 | 12 | 43 | 31 1/8 | 41 | 21 1/2 | 63 | 20 | 2 7/16 |
| RVC-30 | 30 1/8 | 34 1/8 | 32 3/8 | 16 | 39 1/4 | 36 | 49 3/8 | 31 5/8 | 81 | 29 1/2 | 2 15/16 |



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Rees-Memphis offers a complete line of air system components for dust collection and pneumatic conveying systems.