



Impact air systems

Technical Data Sheet

Rotary Material Separator

The rotary separator replaces much bulkier cyclone or static screen separators.

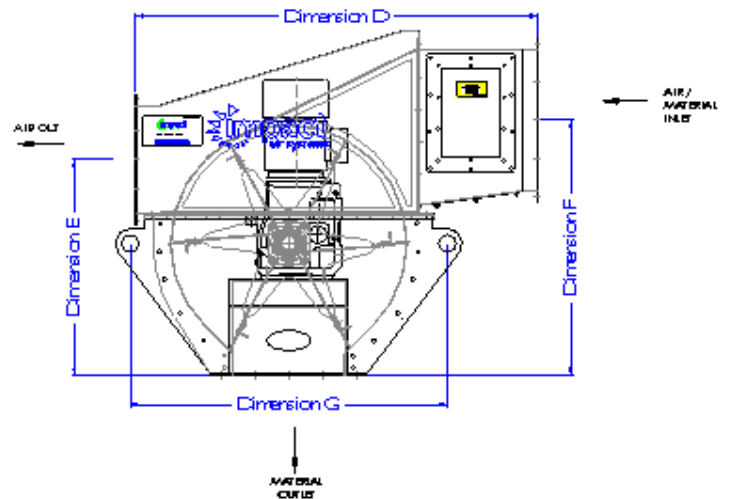
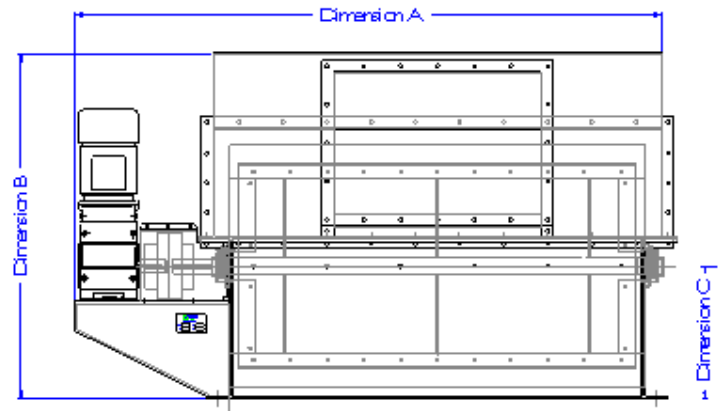
The design consists of a large diameter rotary valve coupled with a specially engineered heavy duty perforated screen combined within a single enclosure.

The screen design incorporates aerodynamic principles as well as a wiping action to ensure efficient, trouble free operation. This clever design guarantees waste separation from the conveying air, even with high waste loads, without the need for variable/adjustable inlet vanes or balance fans with Volume Control Dampers.

A slowly rotating six-bladed star shaped rotor fitted with heavy duty wear resistant rubber seals forms a physical barrier, forcing the conveying air through the screen. The rubber seals provide a wiping action to the perforated screen ensuring it remains free from debris to maintain reliable operation.

The rotary separator has been engineered to withstand the demanding conditions expected in a variety of different applications. Constructed using heavy gauge welded steel construction finished in high quality paint. We offer a range of four models designed to suit the vast range of materials, air volumes and operating conditions.

- Unit can operate under positive or negative conditions
- Low power consumption, between 3kW and 4kW depending on model
- Compact design compared with traditional static screen separator & rotary valve
- Low noise level
- High air handling capacity for relative size
- Ideal for use in conjunction with Impact Reverse Jet Filter



Model Ref	RS10	RS20	RS35	RS4HD
Maximum Air Volume	10,000 m ³ /h	20,000m ³ /h	35,000m ³ /h	30,000m ³ /h
Motor Size	3kw	3kw	3kw	4kw
Inlet Dimensions	427 x 355	702 x 475	990 x 475	500 x 500
Product Outlet Dimensions	700 x 380	1400 x 380	2000 x 380	1500 x 600
Screen Thickness in mm	3	3	3	3
Screen perforation diameter	4	4	4	6.5
Rotation Speed (RPM)	19	19	19	19
Weight in KGs	555	700	850	1500
Dimension A	1294	1994	2594	2204
Dimension B	1175	1175	1175	1825
Dimension C	450	450	450	700
Dimension D	1366	1366	1366	2080
Dimension E	734	734	734	1110
Dimension F	892	892	892	1477
Dimension G	1078	1078	1078	1497

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