



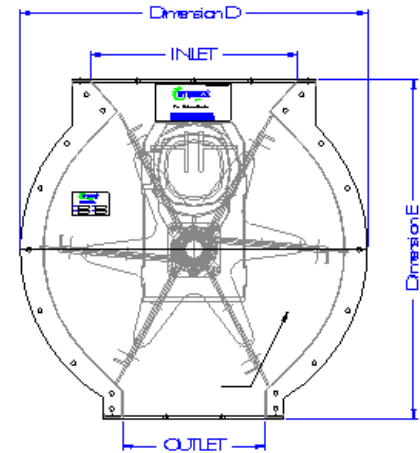
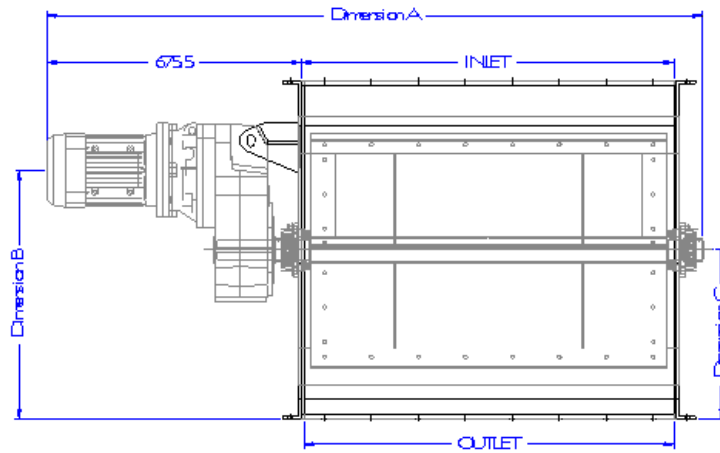
Technical Data Sheet Rotary Valve

Rotary valves are a far more reliable method of forcing the conveying air stream through the separator's perforated screen when dust filtration is required or a multi line conveying system is in operation.

These valves are slowly rotating six bladed star shaped valves, mounted on the material outlet of the separator unit. They have deep pockets, which fill with material from the separator and after 180 degrees of rotation empty the material pockets using the action of gravity alone.

The pockets seal against the valve casing as they rotate, forming a physical barrier through which air from the separator is unable to escape. Air therefore leaves the separator through the perforated screen plate

- *6 Bladed rotor construction for near perfect sealing*
- *Heavy duty wear resistant flexible rubber seal rotor tips for long life and low maintenance*
- *Chamfered lead into rotor casing for quiet operation*
- *Motor driven speed reduction gearbox for lower rotor speeds to reduce wear*
- *Heavy duty rotor construction for long life*
- *Available in a range of diameters and overall lengths*
- *Current overload protection system*



Width in mm**	500	750	1000	1500	2000	2500	3000
Rotor Diameter	600	600	600	600	600	600	600
Motor Size	3kw	3kw	3kw	3kw	3kw	3kw	3kw
Rotor Speed	23	23	23	23	23	23	23
Weight in Kg's	269	299	328	395	506	572	661
Throughput in m ³ /h*	185	277	370	555	740	925	1110
Inlet Dimension	450 x 500	450 x 750	450 x 1000	450 x 1500	450 x 2000	450 x 2500	450 x 3000
Outlet Dimension	290 x 500	290 x 750	290 x 1000	290 x 1500	290 x 2000	290 x 2500	290 x 3000
Dimension A	1247	1497	1747	2247	2747	3247	3747
Dimension B	552	552	552	552	552	552	552
Dimension C	340	340	340	340	340	340	340
Dimension D	724	724	724	724	724	724	724
Dimension E	697	697	697	697	697	697	697

Width in mm**	500	750	1000	1500	2000	2500	3000
Rotor Diameter	800	800	800	800	800	800	800
Motor Size	3kw	3kw	3kw	3kw	3kw	3kw	3kw
Rotor Speed	23	23	23	23	23	23	23
Weight in Kg's	327	355	388	451	562	629	739
Throughput in m ³ /h*	329	494	659	988	1318	1647	1977
Inlet Dimension	550 x 500	550 x 750	550 x 1000	550 x 1500	550 x 2000	550 x 2500	550 x 3000
Outlet Dimension	380 x 500	380 x 750	380 x 1000	380 x 1500	380 x 2000	380 x 2500	380 x 3000
Dimension A	1247	1497	1747	2247	2747	3247	3747
Dimension B	662	662	662	662	662	662	662
Dimension C	450	450	450	450	450	450	450
Dimension D	924	924	924	924	924	924	924
Dimension E	900	900	900	900	900	900	900

*Throughput per hour based on open pocket area and 100% fill density

**Alternative width configurations are available to suit specific applications

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