



PNEUMATIC CONVEYING

CYCLONE MATERIAL SEPARATOR

Magnum Systems Cyclones are designed for efficient air/particle separation in a pneumatic transfer system using centrifugal force. Once separated, the material falls downward in a spiral motion and is discharged through the bottom of the cyclone and the gas/air exhausts through the top. Cyclones are typically installed above a rotary airlock in the systems that we provide. Our standard design is constructed of 10-gauge carbon steel with optional stainless construction to withstand abrasive industrial applications.

PRODUCT FEATURES

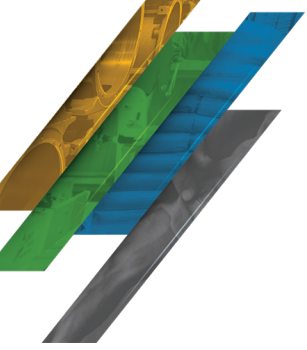
- High efficiency design for maximum material / air separation
- Designed for lines sizes from 3" to 8"
- Upper portion of the cyclone is designed with infinite variable position capabilities
- Low profile draw-thru air discharge
- Bottom flange fabricated to mate Smoot rotary valves, ANSI flange pattern drilling or existing equipment
- Mounting lugs
- 10-gauge carbon steel construction with enamel paint finish

Optional Features

- 304 stainless steel construction
- Support legs for up to 3ft of clearance below discharge flange

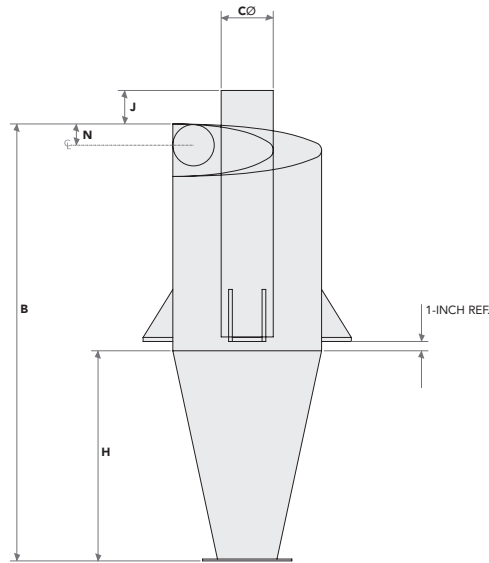
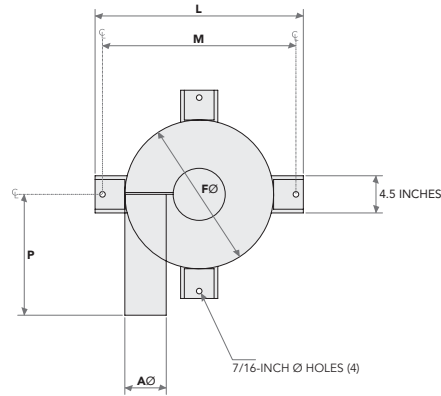


Engineering, Design & Manufacturing
to Keep the Line Moving



CYCLONE SEPARATOR

Diagram dimensions are for reference only*



Cyclone Dimensions

AØ	B	CØ	FØ	H	J	L	M	N	P
3	33	3-1/2	11	12	3-1/2	19	17	1-15/16	10-7/8
3-1/2	38	4	12-3/4	15	3-1/2	20-3/4	18-3/4	2-3/8	11-3/4
4	44	5	14	20	3-1/2	22	20	2-9/16	12-1/2
4-1/2	45	5-9/16	16	20	4-1/2	24	22	2-7/8	14
5	51-1/2	6	18	24	4-1/2	26	24	2-13/16	15-1/8
5-9/16	58-1/2	6-5/8	20	28	4-1/2	28	26	3-1/2	16-1/4
6	65	8	21-1/2	32	4-1/2	29-1/2	27-1/2	3-3/4	17-1/4
6-5/8	70	8	22-1/2	34	4-1/2	30-1/2	28-1/2	4-1/4	18-1/2

Contact us for custom designs*

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