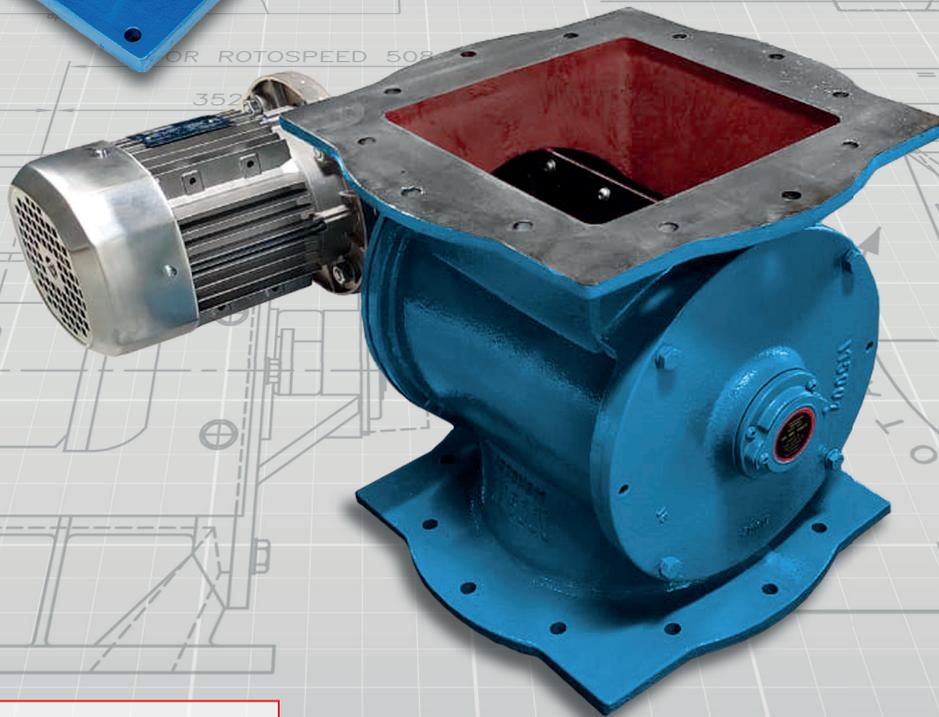


**ROTOLOK**

everything under control...



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DUST COLLECTOR VALVES - RDV



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## INTRODUCTION

The Dust Collector Valve is designed specifically for lighter duty applications, such as gravity flow or bottom of dust collectors handling light loads and non-abrasive products. These units have direct drive right angle gearboxes, inboard bearings and lip seals; making them very cost competitive.

These dust collector valves have been engineered and designed as a low cost solution for Cyclone, Bag House and Gravity Feed applications with pressures around +/- 3 psi.

## SPECIFICATION

### BODIES

Cast Iron Precision Bored.  
Standard: Universal flanges to match Square or Circular connections.  
Heavy Duty: Robust with either Square or Circular flanges.

### END COVERS

Cast Iron Precision Machined and Spigot Located into Airlock Body

### ROTOR

Fabricated Mild Steel Closed Tip (Shrouded) Type Fully Machined

### BEARINGS

Ball Type Rigged Inboard Sealed for Life

### SHAFT SEAL

Rubber Lip Seal

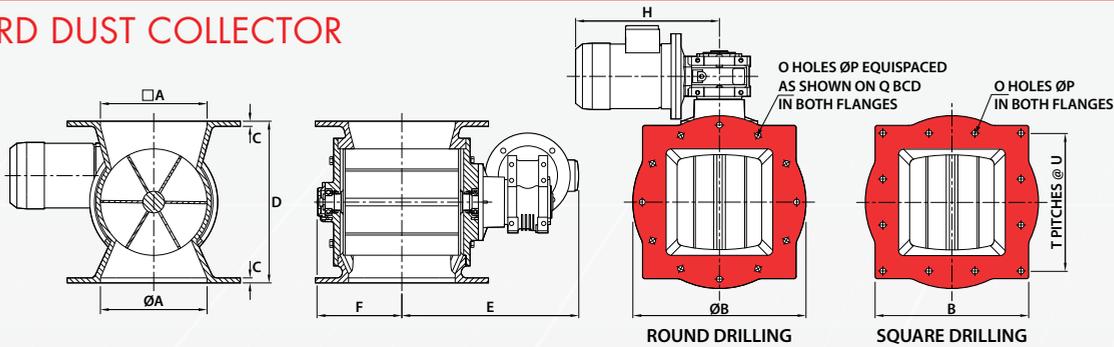
### DRIVE

Motorised Worm Box Shaft Mounted on Rotor and Fitted with Standard NEMA Motor Totally Enclosed Flange Mounted to Worm Box

### VALVE SPEED

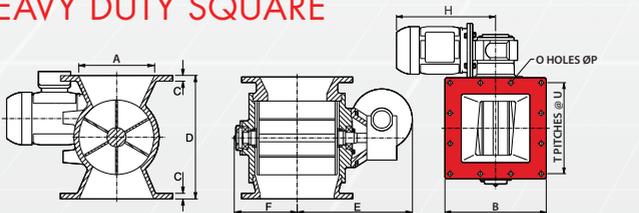
Standard - 28 RPM with 50Hz supply  
Heavy Duty - 23 RPM with 50Hz supply

## STANDARD DUST COLLECTOR



SIZE	ROUND DRILLING							SQUARE DRILLING							All dimensions are in inches			
	A	C	D	E	F	H	B	O	P	Q	B	O	P	T	U	kW	Weight (lbs)	ft <sup>3</sup> /rev
6	6	3/8	10	12 1/2	5 1/2	11 3/8	11 1/4	8	7/8	9 1/2	10	12	1/2	3	2 3/4	1/2	88	0.08
8	8	1/2	12 3/16	13 3/8	6 3/8	11 3/8	13 1/2	8	7/8	11 3/4	11 13/16	12	1/2	3	3 1/16	1/2	132	0.21
10	10	1/2	15 15/16	16 5/16	7 13/16	13 1/4	16	12	1	14 1/4	14 3/16	12	5/16	3	4 1/4	3/4	203	0.42
12	12	5/8	18 1/16	17 1/2	9	13 1/4	19 1/8	12	1	17	17 5/16	12	11/16	3	5 1/16	3/4	317	0.75

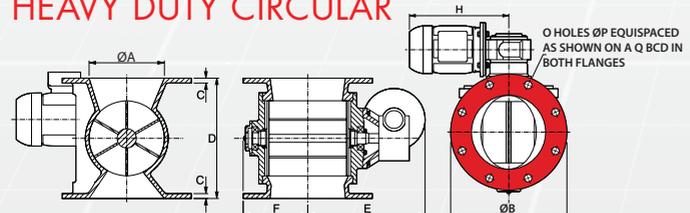
## HEAVY DUTY SQUARE



All dimensions are in inches

SIZE	A	B	C	D	E	F	H	O	P	T	U	H.P.	Weight (lbs)	ft <sup>3</sup> /rev
6	6	9 3/8	1/2	11	11 1/8	5 3/4	14	12	1/2	3	2 3/4	1/2	152	0.08
8	8	11 1/8	3/4	13	12 3/8	6 3/4	14	12	1/2	3	3 3/16	1/2	183	0.21
10	10	13 3/4	5/8	15	13 13/16	8	15	12	5/16	3	4	3/4	256	0.42
12	12	15 3/4	1/2	18 1/8	15 1/4	9 3/8	15	12	1/2	3	4 11/16	3/4	386	0.75

## HEAVY DUTY CIRCULAR



All dimensions are in inches

SIZE	A	B	C	D	E	F	H	O	P	Q	H.P.	Weight (lbs)	ft <sup>3</sup> /rev
6	6	11 1/4	1/2	10 3/8	11 1/8	5 3/4	14	8	7/8	9 1/2	1/2	152	0.08
8	8	12 1/2	1/2	12 3/8	12 3/8	6 3/4	14	8	11/16	11	1/2	183	0.21
10	10	14 1/2	3/8	15	13 13/16	7 3/8	15	8	11/16	12 3/8	3/4	256	0.42
12	12	17 3/8	3/4	18 3/8	15 1/4	9 3/8	15	12	7/8	15 1/2	3/4	386	0.75

Dimensions are approximate and subject to change without notice  
Planning-in detail for general guidance only  
(To cover safety aspects ask for our safety leaflets)  
Drillings are Rotolok standards. Variations can be made.



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