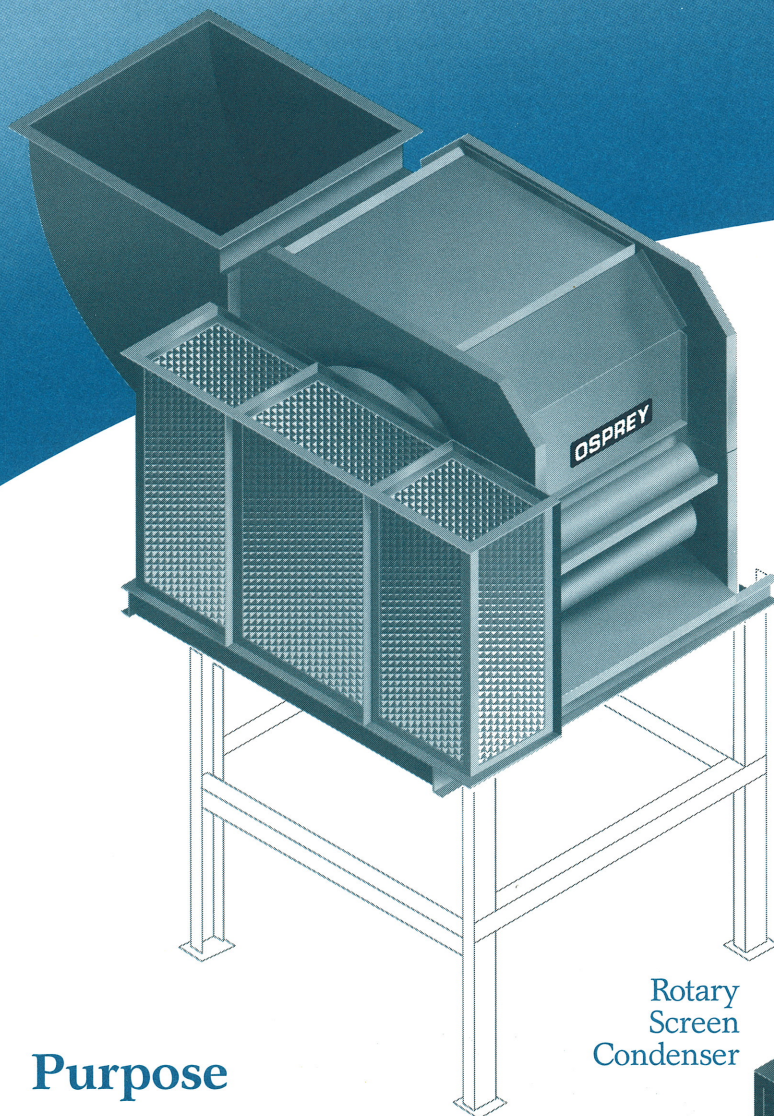


AIR/FIBER SEPARATOR



Rotary
Screen
Condenser

Purpose

Separates pneumatically conveyed fibrous material from air.

Application

Rotary Screen Condenser

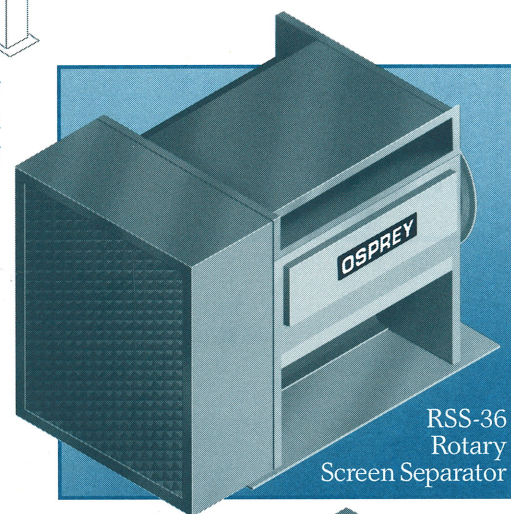
High air volume/low- to mid-range fiber volumes

Rotary Screen Separator

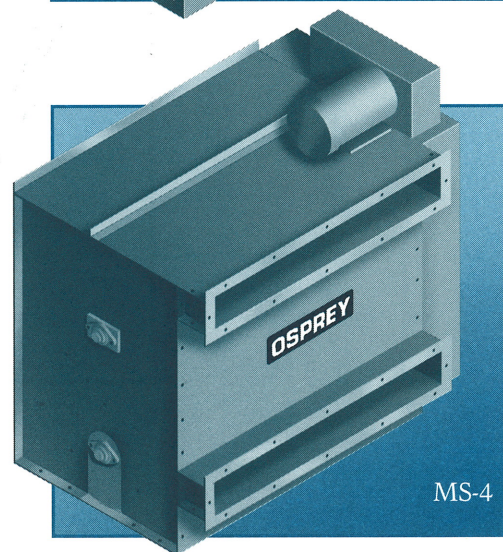
Low air volume/mid-range fiber volumes

MS-4

Moderate air volume/high fiber volume



RSS-36
Rotary
Screen Separator



MS-4



OSPREY CORPORATION

ENGINEERED AIR SYSTEM SOLUTIONS

1835 Briarwood Road, NE Atlanta, Georgia 30329
Tel: (404) 321-7776 Fax: (404) 634-1401

ROTARY SCREEN CONDENSER

Application

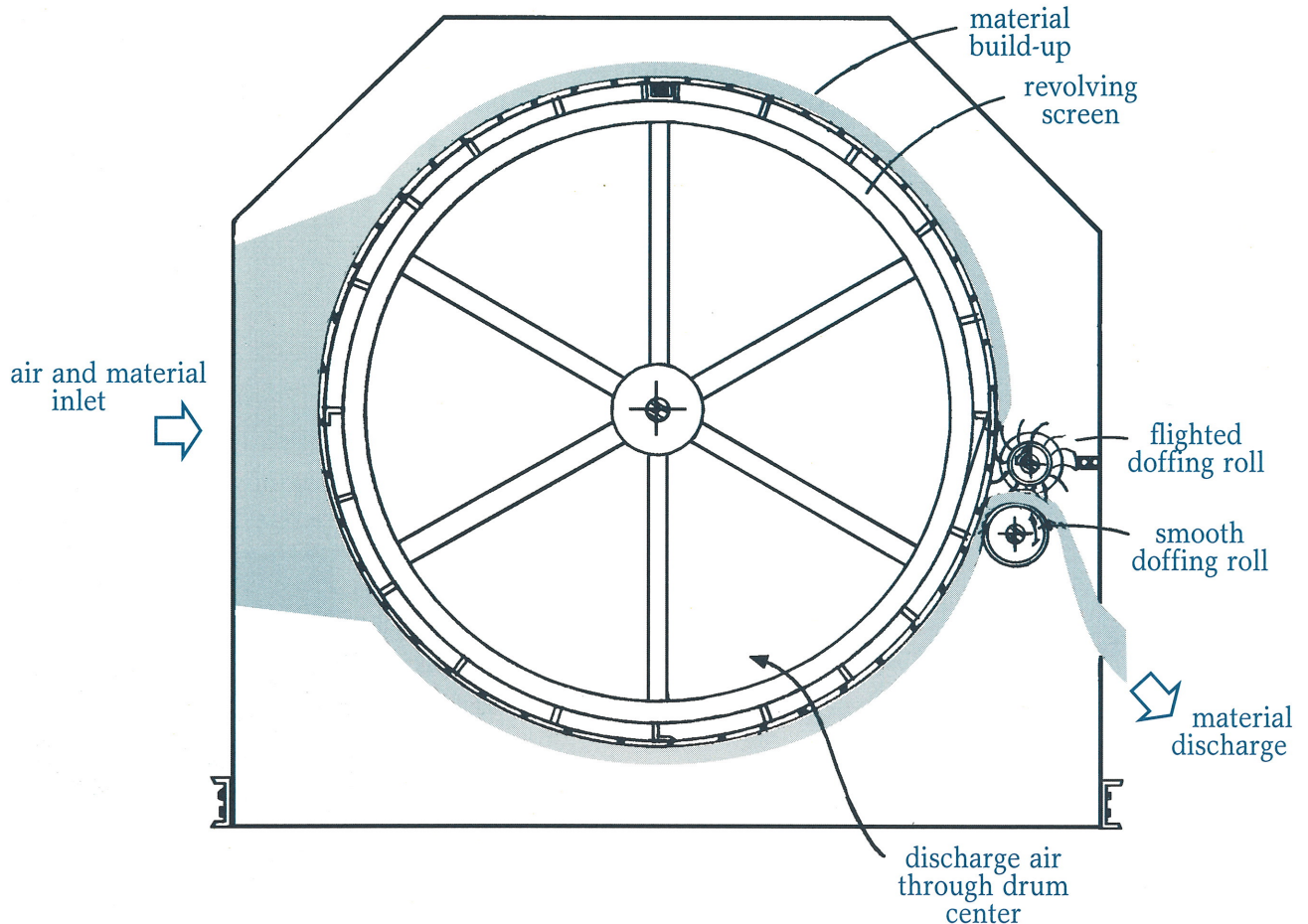
High air volume/mid-range fiber volumes

Operation

Air and material enter the condenser, where air passes freely through the internal drum. The material is stopped by the screen covering the drum and forms a mat as it collects. Static pressure increases and the drum starts to rotate. A doffing roll removes the material at the outlet and forms an air-tight seal.

Options

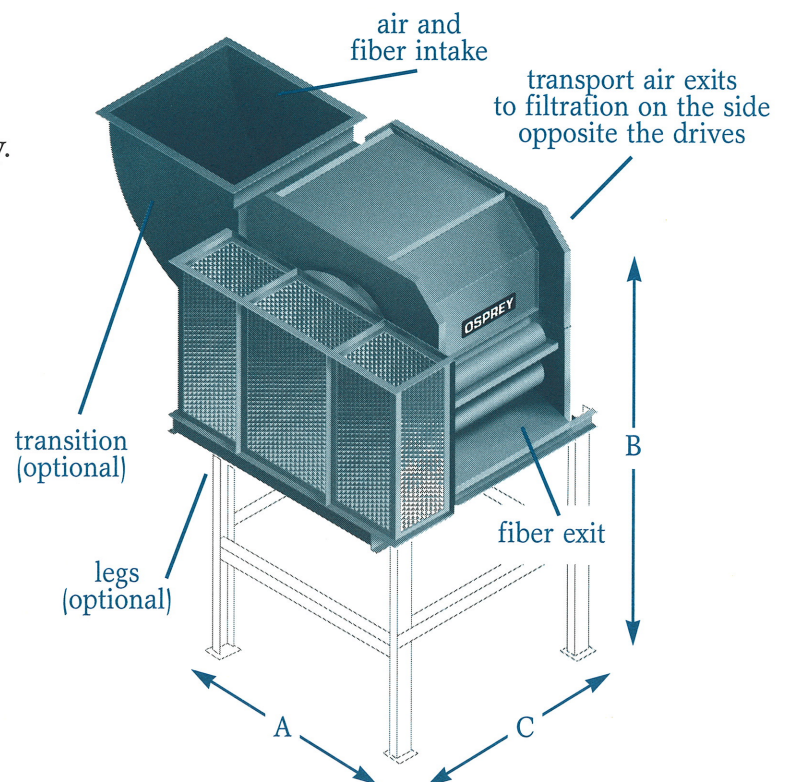
- Various drive speeds
- Inlet and outlet transitions
- Left or right hand configuration
- Rear or bottom inlet
- Support legs
- Quick-change screen feature



Model No.	30x24	30x36	48x36	48x48	48x60	48x78	72x60	72x78	72x96	72x120
Screen Area ft (m)	14.9 (1.38)	22.4 (2.08)	35.8 (3.33)	47.8 (4.44)	59.7 (5.55)	77.6 (7.21)	89.5 (8.31)	116.4 (10.81)	143.3 (13.31)	179.1 (16.641)
CFM@ 250 FPM	3,600	5,575	9,000	12,000	15,175	19,900	22,775	29,850	36,925	44,750
CFM@ 300 FPM	4,320	6,690	10,800	14,400	18,210	23,880	27,330	35,820	44,310	53,700
CFM@ 375 FPM	-	-	13,500	18,000	22,762	29,850	34,162	44,775	55,388	67,125
Width (A)	61"	61"	79"	79"	79"	79"	103"	103"	103"	103"
Height (B)	53"	53"	71"	71"	71"	71"	95"	95"	95"	95"
Length (C)	50"	62"	62"	74"	86"	104"	86"	104"	122"	146"
Inside Inlet (w x h)	30"x22"	30"x34"	40"x34"	40"x46"	40"x58"	40"x76"	56"x58"	56"x76"	56"x94"	56"x118"
Outlet (ID diam.)	32"	32"	50"	50"	50"	50"	74"	74"	74"	74"
Motor H.P.	1/2 hp	1/2 hp	1/2 hp	1/2 hp	1/2 hp	1/2 hp	3/4 hp	3/4 hp	3/4 hp	3 hp
Weight - lbs (kg)	1,270 (577)	1,350 (614)	2,700 (1,227)	2,850 (1,295)	3,000 (1,364)	3,150 (1,432)	3,500 (1,591)	3,700 (1,682)	3,900 (1,773)	4,400 (2,000)

Guidelines to Selecting Osprey Condensers

1. Capacity of unit determined by face velocity.
2. A maximum velocity of 375 FPM is used to capture fibers and dust via a heavy mat.
3. Actual velocity and method of control will depend on type waste and type of filtration.



ROTARY SCREEN SEPARATOR

Application

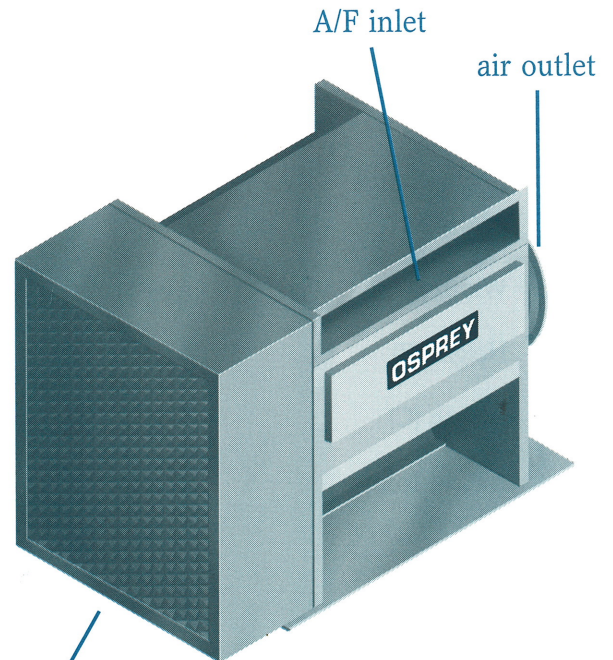
Low air volume/mid-range fiber volumes

Operation

Air and material enter the separator, where air passes freely through the rotating internal drum. A lower flighted discharge roll removes the fiber from the drum and transfers it out the bottom.

Maximum Capacity

3,000 CFM	2,500 lbs/hr
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MS-4

Application

Moderate air volume/ high fiber volumes

Operation

Air and material enter through the inlet port where the material collects on a stationary concave screen. Air is discharged through the lower port. A revolving paddle removes the fiber from the screen. The fiber is then transported out the bottom by a flighted discharge roll.

Maximum Capacity

4,000 CFM	4,000 lbs/hr
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