



RSS SERIES

EXTERNALLY-FED ROTARY SCREENS



FEATURES

- 304 stainless steel construction
- unitary frame
- wedgewire drum
- TEFC motor and shaft-mounted geardrive
- headbox, with overflow protection
- doctor blade assembly with monel blade
- internal spray bar

OPTIONS

- 316 stainless steel construction
- control panel c/w starter & spray bar timer
- pneumatic or cam operated doctor blade cleaner
- variable speed drive or 2 speed motor
- headbox level sensor

RSS Series of Externally-fed Rotary Screens have slotted wedgewire, cylindrical drums that rotate on two pillow block bearings. The screen slot openings range from 0.010 to 0.100 inches. The rotary drum is driven by a TEFC motor fitted to a shaft-mounted gearbox. The RSS has three methods of maintaining clean screen openings. The doctor blade scrapes the solids from the face of the screen surface. The filtrate back washes while exiting the bottom of the screen and a shower on an automatic cycle washes the screen drum from inside. The RSS is ideally suited for effluents containing high oil or grease loadings.

METHOD OF OPERATION

Raw influent enters a headbox which distributes the flow evenly across the full length of the rear, upper external surface of the rotating drum. As water passes through the screen, solids are retained on the outside of the screen drum and are carried by rotation around to the front of the screen, where they are removed by a fixed doctor blade. The screened water cascades down inside the drum and falls through the bottom, creating a vigorous backwash action. This action, together with the use of internal water sprays, self-cleans the drum on every revolution.

MODEL CODE

RSS XX XX

Drum Diameter Inches

Drum Length Inches

Applications	Wedgewire Screen Slot Sizes - inches (mm)	Flow Capacities - gpm (m ³ /hr)						
		RSS 2512	RSS 2524	RSS 2536	RSS 2548	RSS 2572	RSS 2596	RSS 36120
Municipal Primary Sewage	0.010 (0.25)	110 (25)	235 (53)	350 (79)	465 (106)	700 (159)	900 (204)	1300 (295)
	0.040 (1.02)	350 (79)	700 (159)	1050 (238)	1400 (318)	2100 (477)	2800 (636)	4000 (908)
Pulp & Paper Debarking Water	0.020 (0.51)	105 (24)	250 (57)	370 (84)	500 (114)	750 (170)	1000 (227)	1440 (327)
	0.030 (0.76)	110 (25)	260 (59)	390 (89)	520 (118)	790 (179)	1050 (238)	1510 (343)
Fruit/Vegetable Processing Effluent	0.020 (0.51)	110 (25)	260 (59)	390 (89)	520 (118)	790 (179)	1050 (238)	1510 (343)
	0.040 (1.02)	176 (40)	420 (95)	630 (143)	840 (191)	1260 (286)	1680 (382)	2420 (550)
Seafood Processing Effluent	0.020 (0.51)	50 (11)	120 (27)	180 (41)	240 (55)	360 (82)	480 (109)	690 (157)
	0.030 (0.76)	77 (17)	180 (41)	270 (61)	360 (82)	550 (125)	730 (166)	1060 (241)
Poultry Processing Effluent	0.020 (0.51)	70 (16)	220 (50)	280 (64)	380 (86)	560 (127)	750 (170)	1400 (318)
Bakery	0.020 (0.51)	110 (25)	240 (55)	360 (82)	480 (109)	720 (164)	960 (218)	1600 (363)
	0.030 (0.76)	65 (15)	150 (34)	250 (57)	340 (77)	500 (114)	680 (154)	1250 (284)
Meat Processing Effluent	0.020 (0.51)	65 (15)	150 (34)	250 (57)	340 (77)	500 (114)	680 (154)	1250 (284)
	0.030 (0.76)	90 (20)	210 (48)	340 (77)	450 (102)	680 (154)	900 (204)	1750 (397)

This chart is only to be used as a guide. For specific sizing inquiries please contact JWC Environmental | IPEC.

CONTACT JWC Environmental | IPEC

Toll Free: (800)663-8409 • Tel: (604)291-7150 • Fax: (604)291-7190 • Email: sales@ipec.ca • Web Site: ipec.ca