



## SHS SERIES SIDEHILL SCREENS



### FEATURES

- 304 stainless steel construction
- housing in 3/16" thick plate

### OPTIONS

- deck with an adjustment range of 6%
- 316 stainless steel or alloy 20 construction
- range of wedgewire shapes and designs (straight, looped, waved) to match applications
- vapour enclosure
- rear oscillating, or front traveling spray bars

SHS Series of Static Sidehill Screens elements are curved, slotted, wedgewire screen with slots ranging from 0.010 to 0.125 inches oriented horizontally across the direction of flow. The screen decks are positioned at a steeply sloped angle providing an effective stripping of liquid and allowing the solids to slide. These are typically used when the solids are easily separated from the liquid and where the separated solids slide easily.

### METHOD OF OPERATION

Wastewater or slurry enters the headbox where hydraulic turbulence keeps solids in suspension. The wastewater then overflows a distribution weir onto a steeply sloped ramp that orients the flow tangentially onto the screen surface. The liquid passes through the openings in the wedgewire to a drainage pan located on the backside of the screen, and the solids slide down the surface of the screen to the discharge lip.

#### Models

- SHB Single housing containing multiple decks
- SHL 54" long extended screen deck
- SHS 42" long standard screen deck
- SHM 38" or shorter, mini screen deck
- SHP Pressure fed

MODEL  
CODE

### SHX XX XX

- Screen Width  
Inches 12" to 120"  
(305-3480 mm)
- Screen Length  
3 different length available

Applications	Wedgewire Screen Slot Sizes - inches (mm)	Flow Capacities - gpm (m <sup>3</sup> /hr)								
		SH 12	SH 24	SH 36	SH 48	SH 60	SH 72	SH 84	SH 96	SH 120
Municipal Primary Sewage	0.060 (1.52)	150 (34)	320 (73)	480 (109)	640 (145)	800 (182)	960 (218)	1125 (256)	1280 (291)	1600 (363)
	0.100 (2.54)	190 (43)	400 (91)	600 (136)	800 (182)	1000 (227)	1200 (273)	1400 (318)	1600 (363)	2000 (454)
Poultry Feather	0.060 (1.52)	60 (14)	140 (32)	210 (48)	280 (64)	350 (80)	420 (95)	500 (114)	560 (127)	700 (159)
Meat Stock Water Pen Wash Down	0.020 (0.51)	50 (11)	120 (27)	180 (41)	240 (55)	300 (68)	360 (82)	420 (95)	480 (109)	600 (136)
	0.040 (1.02)	55 (12)	130 (30)	190 (43)	260 (59)	330 (75)	390 (89)	460 (105)	520 (118)	650 (148)
Vegetable & Fruit	0.010 (0.25)	50 (11)	100 (23)	150 (34)	200 (45)	250 (57)	300 (68)	350 (80)	400 (91)	500 (114)
	0.020 (0.51)	80 (18)	175 (40)	260 (59)	360 (82)	450 (102)	550 (125)	650 (148)	750 (170)	900 (204)
Brewery Spent Grains Bottle Wash	0.030 (0.76)	75 (17)	180 (41)	270 (61)	360 (82)	450 (102)	540 (123)	630 (143)	720 (164)	900 (204)
	0.040 (1.02)	60 (14)	140 (32)	210 (48)	280 (64)	360 (82)	430 (98)	500 (114)	570 (129)	720 (164)
Mineral Coal Wash Lime Particulate	0.020 (0.51)	80 (18)	175 (40)	260 (59)	360 (82)	450 (102)	550 (125)	650 (148)	750 (170)	950 (216)
	0.030 (0.76)	60 (14)	140 (32)	210 (48)	280 (64)	360 (82)	430 (98)	500 (114)	570 (129)	720 (164)
Forestry White Water Chip Wash Water Pulp Thickening Rejects	0.015 (0.38)	75 (17)	150 (34)	225 (51)	300 (68)	375 (85)	450 (102)	525 (119)	600 (136)	750 (170)
	0.020 (0.51)	100 (23)	200 (45)	300 (68)	400 (91)	500 (114)	600 (136)	700 (159)	800 (182)	1000 (227)
	0.040 (1.02)	65 (15)	140 (32)	210 (48)	280 (64)	350 (80)	420 (95)	490 (111)	560 (127)	700 (159)
	0.040 (1.02)	80 (18)	175 (40)	260 (59)	360 (82)	450 (102)	550 (125)	650 (148)	750 (170)	950 (216)

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

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