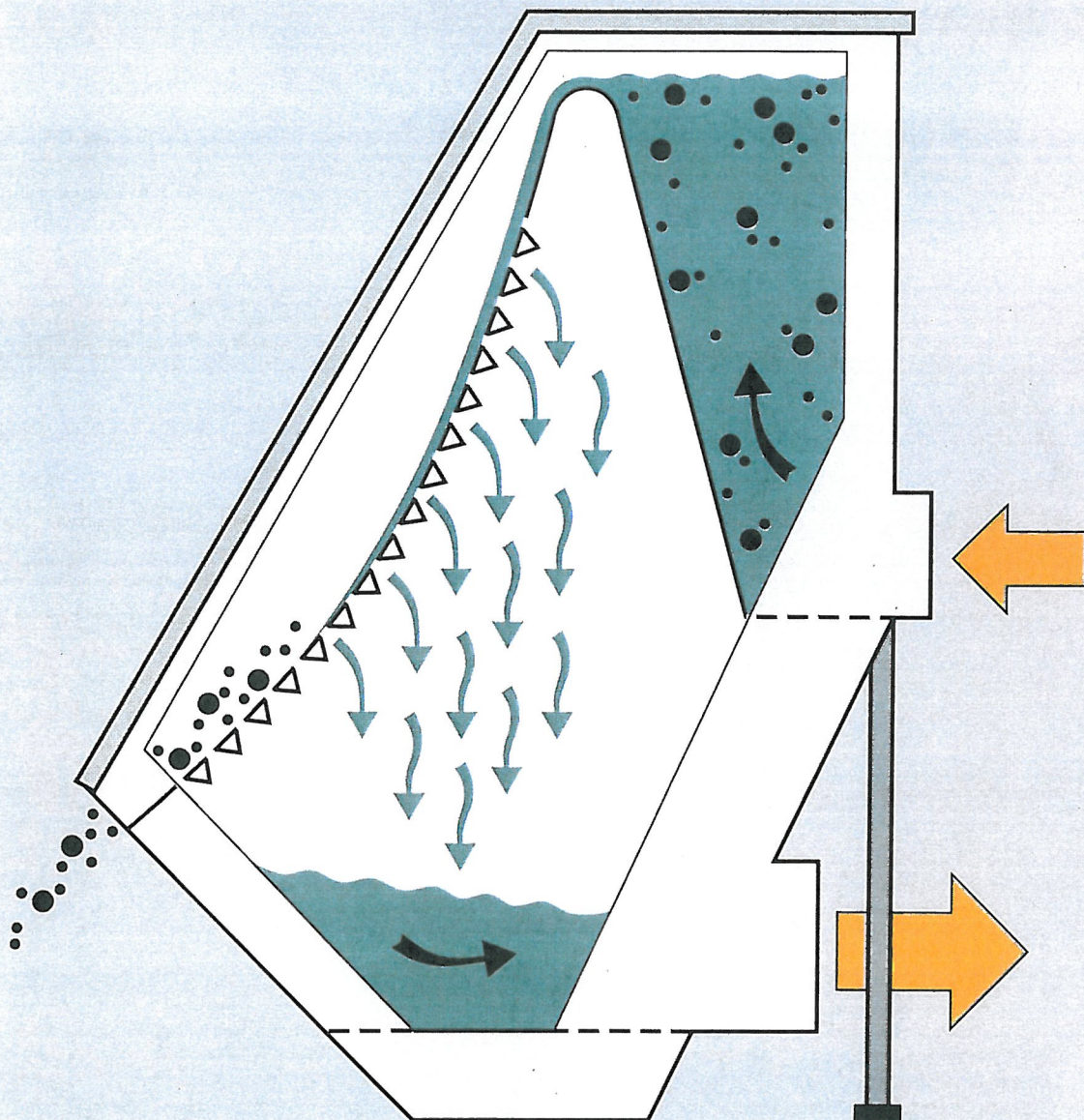




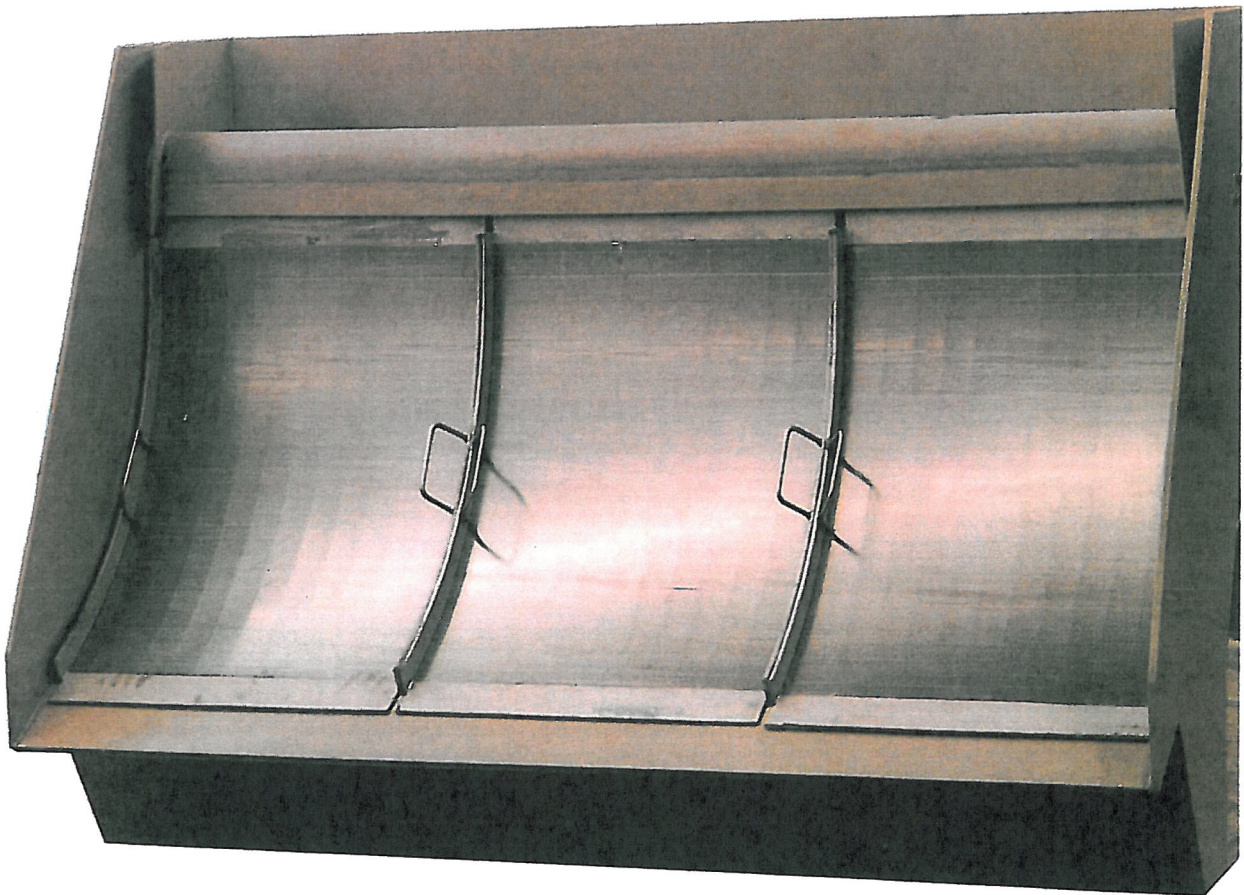
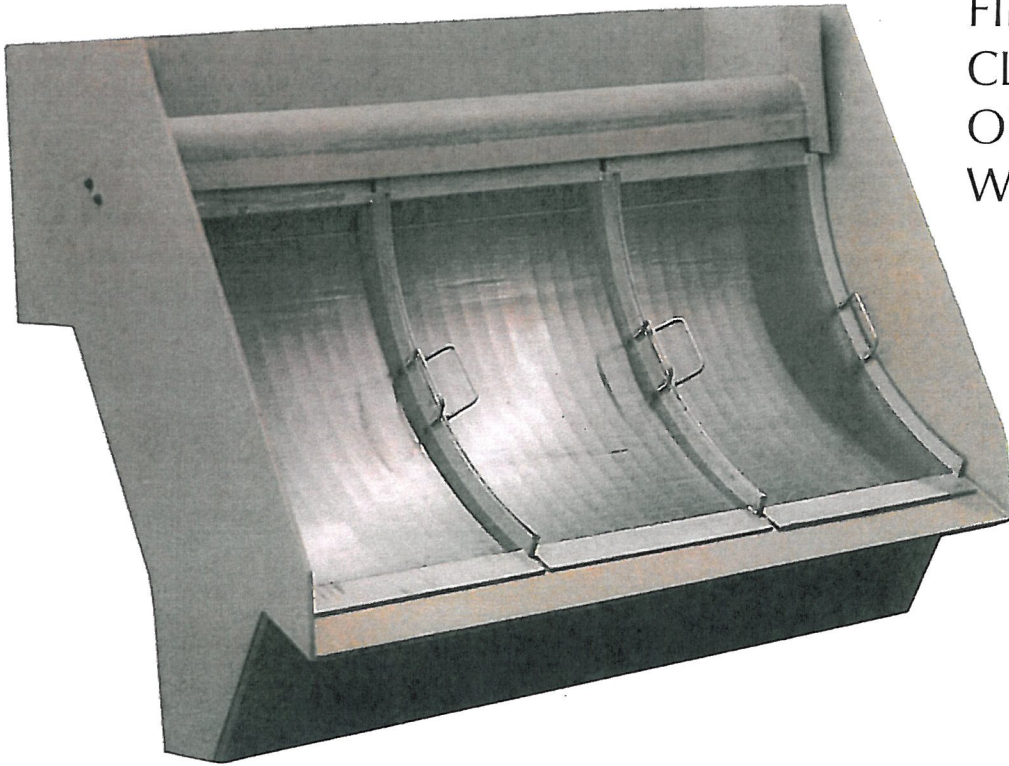
AMKCO WEDGE WIRE Q-SCREENS

DEWATER SOLIDS



FIRST STAGE CLARIFICATION

CONTINUOUS
FIRST STAGE
CLARIFICATION
OF INDUSTRIAL
WASTES



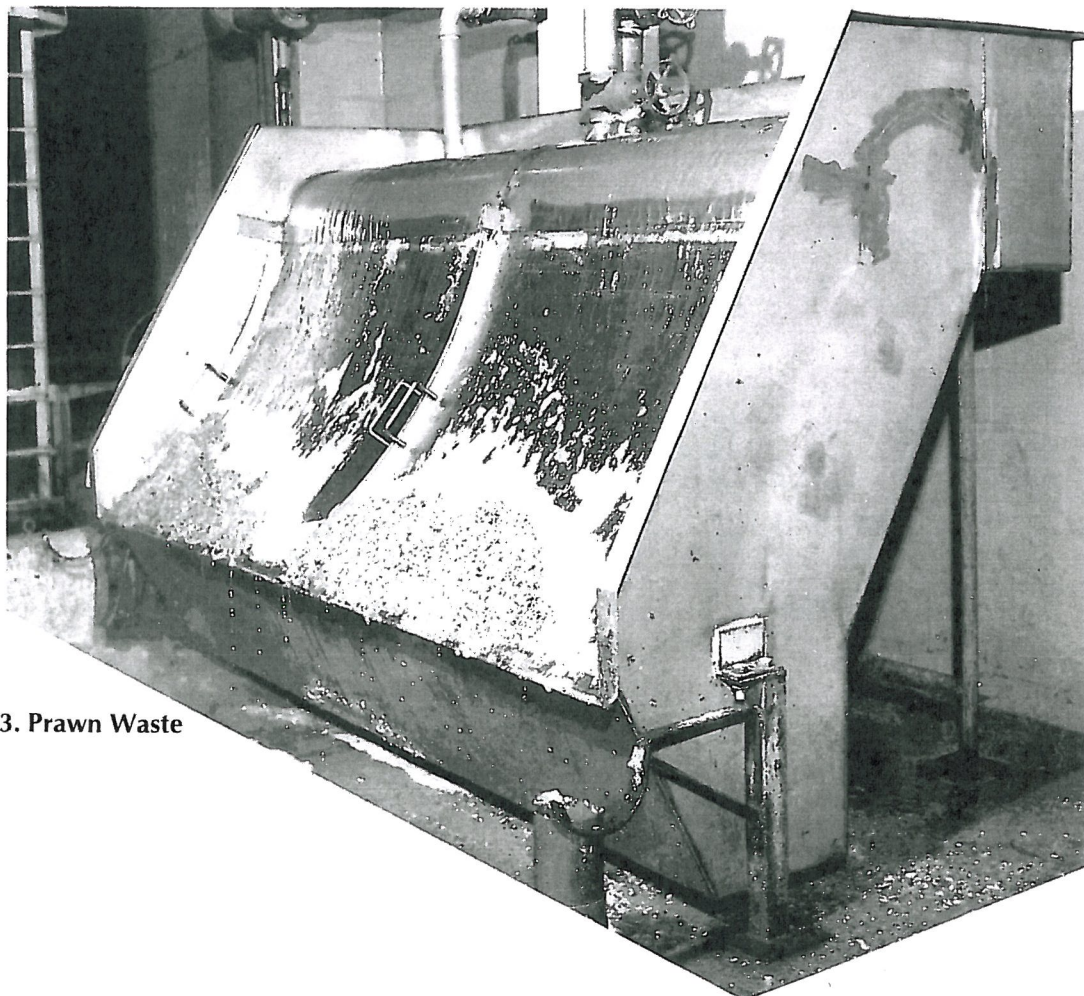
APPLICATION EXAMPLES



1. Feathers



2. Cooked Corn Washing



3. Prawn Waste

TYPICAL APPLICATIONS



4. Vegetable Waste

Q-SCREEN DESIGN AND BENEFITS

DESIGN FEATURES → BENEFITS

- | | |
|---------------------------------------|------------------------------------|
| • WEDGE WIRE PROFILE | — NO PLUGGING |
| • STAINLESS STEEL WETTED PARTS | — NO CORROSION |
| • NO MOVING PARTS | — NO MOTOR |
| • STANDARD WIDTH PANELS | — ECONOMIC DESIGN |
| • STANDARD FEED BOX | — HIGH CAPACITY |
| • WEDGE WIRE | — EASY CLEANING |
| • EXTENDED LIQUID ACCELERATION RAMP | — IMPROVES LIQUID SOLID SEPARATION |
| • FIBER ORIENTED IN DIRECTION OF FLOW | — REDUCES APPARENT SLOT OPENING |
| • CAN ROTATE SCREEN 180 DEGREES | — LIFE OF SCREEN IS DOUBLED |

PROFILE WIRE

LOOPED WEDGE WIRE

Profile No.	Actual Size	Standard Aperture	% Open Area	Approx. Wt. lbs/ft ²	Approx. Wt. kg/m ²
23		0.25	11.1	5.75	28.0
		0.50	18.8	5.25	25.6
		0.75	25.2	4.85	23.7
		1.00	30.9	4.55	22.2
28		0.25	9.2	6.75	32.8
		0.50	16.1	6.25	30.4
		0.75	21.9	5.85	28.6
		1.00	27.2	5.45	26.7
32		0.25	8.2	7.60	37.1
		0.50	14.4	7.10	34.7
		0.75	19.8	6.70	32.6
		1.00	24.7	6.30	30.7
35		0.25	13.2	7.86	38.3
		0.50	18.5	7.39	36.0
		0.75	23.0	6.98	34.0
		1.00	28.2	6.25	30.5
39		0.25	11.9	9.11	44.4
		0.50	16.7	8.61	42.0
		0.75	21.0	8.17	39.8
		1.00	28.2	7.42	36.2
42		0.25	11.9	9.11	44.4
		0.50	16.7	8.61	42.0
		0.75	21.0	8.17	39.8
		1.00	28.2	7.42	36.2

Amcco looped wedge wire is manufactured in stainless steel normally AISI 304 or 316 quality and mild steel, plain or galvanised Riffle top surface is available on all profiles if required.

WEDGE WIRE CATALOG

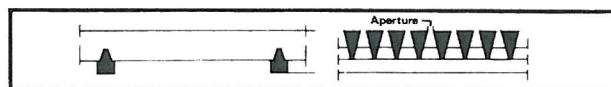
Welded or Looped wedge wire is designed and manufactured in profile shapes to suit most industrial applications.

Excellent dewatering and sizing properties are ensured by maintaining the profile wire quality and close tolerances on the required opening between wires. Wedge wire products are designed to provide a long and trouble free service life in the coal, coke, cement, chemical, sewerage, effluents, water treatment, and similar industrial applications. See the back page for additional examples of applications.

Extra heavy duty applications require welded loops or resistance welded cross rods for the SB series of wedge wire panels. The welded/SB series provides a lower tolerance in the slot opening and allows for a larger range of openings. The SB range is our most popular.

Producing curved screens is our specialty. We have many years of experience in the application and installation of WEDGE WIRE products. Please contact us with your application.

WELDED WEDGE WIRE



Aperture	22 SB			28 SB			34 SB			42 SB			50 SB		
	% Open Area	Weight kg/m ²	Weight lbs/ft ²	% Open Area	Weight kg/m ²	Weight lbs/ft ²	% Open Area	Weight kg/m ²	Weight lbs/ft ²	% Open Area	Weight kg/m ²	Weight lbs/ft ²	% Open Area	Weight kg/m ²	Weight lbs/ft ²
0.20	11.8	22.95	4.7	—	—	—	—	—	—	—	—	—	—	—	—
0.25	14.3	21.97	4.5	10.2	25.88	5.3	8.2	30.76	6.3	6.8	31.25	6.4	—	—	—
0.30	16.7	21.48	4.4	12.0	25.39	5.2	9.7	30.27	6.2	8.1	30.76	6.3	—	—	—
0.35	18.9	20.99	4.3	13.7	24.90	5.1	11.1	29.79	6.1	9.3	30.27	6.2	—	—	—
0.40	21.1	20.50	4.2	15.4	24.42	5.0	12.5	29.30	6.0	10.5	29.78	6.1	—	—	—
0.50	25.0	19.53	4.0	18.5	23.93	4.9	15.2	28.81	5.9	13.9	29.30	6.0	—	—	—
0.75	33.3	18.07	3.7	25.4	21.97	4.5	21.1	26.86	5.5	19.5	27.34	5.6	18.1	44.92	9.2
1.00	40.0	16.11	3.3	31.3	20.51	4.2	26.3	25.39	5.2	24.4	26.37	5.4	22.7	43.46	8.9
1.25	45.5	15.14	3.1	36.2	19.53	4.0	30.9	23.93	4.9	28.7	24.90	5.1	26.9	41.02	8.4
1.50	50.0	14.16	2.9	40.5	18.07	3.7	34.9	22.95	4.7	32.6	23.93	4.9	30.6	39.06	8.0
2.00	57.1	12.21	2.5	47.6	16.60	3.4	41.7	21.00	4.3	39.2	21.97	4.5	37.0	36.13	7.4
2.50	—	—	—	53.2	15.14	3.1	47.2	19.04	3.9	44.6	20.02	4.1	42.4	33.20	6.8
3.00	—	—	—	57.7	14.16	2.9	51.7	18.07	3.7	49.2	19.04	3.9	46.9	31.25	6.4
4.00	—	—	—	64.5	12.21	2.5	58.8	15.63	3.2	56.3	17.09	3.5	54.1	27.34	5.6
5.00	—	—	—	69.4	11.23	2.3	64.1	14.16	2.9	61.7	15.62	3.2	59.5	24.41	5.0
6.00	—	—	—	73.2	10.25	2.1	68.2	13.18	2.7	65.9	14.16	2.9	63.8	22.46	4.6
8.00	—	—	—	—	—	—	74.1	11.23	2.3	72.1	12.21	2.5	70.2	19.04	3.9
10.00	—	—	—	—	—	—	78.1	10.25	2.1	76.3	10.74	2.2	74.6	16.60	3.4

SB profiles are available in a range of stainless steel qualities.

Optima Profiles

The profile shape determines the section of the opening and influences the degree to which the slots remain free and the degree to which the slots widen when the top surface of the sieve wears.

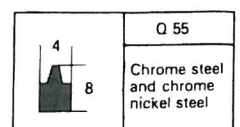
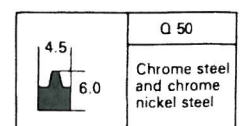
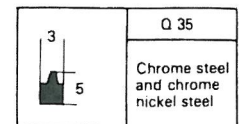
The information given is approximate only.

SB Profile

Even, tapered sides with a widening slot offers little resistance to passing materials, causing little danger of pegging by marginal particles and allowing easy passage of liquids through the screen. The SB profile has numerous applications.

Cross Rods

In addition to Q50 and Q55 Cross rods normally used on the SB range, the longitudinal profiles can be used as cross rods.



UNIT CAPACITIES APPLICATION

AMKCO Q-SCREEN APPLICATION CAPACITIES IN M³/HOUR

Kind of Slurry	Screen Spacing (mm)	Size					
		QS-2S	QS-3S	QS-4S	QS-6S	QS-8S	QS-12S
Kraft Pulp Mill Effluent (0.1% Cons.)	0.50	24	36	48	72	96	144
Ground Wood Pulp Reject (1.0% Cons.)	1.00	24	36	48	72	96	144
CGP Screw Press Liquor (0.9% Cons.)	0.50	11	17	23	34	46	68
UKP White Water (0.1% Cons.)	0.50	9	14	19	28	40	56
Secondary Corrugated Fiberboard (1.6% Cons.)	0.50	27	42	56	84	112	168
Secondary News (1.9% Cons.)	0.50	20	30	40	60	80	120
Fish Canning Waste Water	0.50	24	36	48	72	96	144
Ham Producing Total Waste Water	0.75	31	47	63	94	126	188
Peach Canning Waste Water	0.50	15	23	32	43	62	86
Sea Food Processing Total Waste Water	0.50	18	30	40	60	80	120
Chicken Processing Total Waste Water	0.75	34	55	74	110	148	220
Beet Flume Water, Washing Water	1.50	32	52	70	140	140	280
Bottle Washing Waste Water	0.25	14	23	32	46	62	92
Textile Mill Effluent	0.50	17	27	36	54	72	108
Tannery Waste Water	1.00	30	48	64	96	128	182
Hog Waste Water	0.50	21	34	45	69	90	128
Refuse Incineration Plant, Ash Cooling Waste	0.50	18	29	39	60	78	120
Sewage (Raw Sewage 0.04% Cons.)	1.00	42	68	91	136	182	272
Sewage (Primary Clarifier Scum)	1.00	18	29	39	60	80	120

When contacting us, please furnish the following information; (1) kind of slurry, (2) purpose of use, (3) kind and size of solids contained in slurry, (4) flow rate, (5) concentration, (6) temperature, (7) ph, (8) freeness, and others.



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