

QPEC 6" Spiral Classifiers with various other equipment.



3- QPEC 6" Spiral Classifiers in Africa

Applications

Size classification, washing, degritting, dewatering, and desliming of solids in mineral, chemical, and industrial pilot plants and small commercial size installations. Typical applications include classification or tramp removal in rod and ball mill circuits and classifications, washing, and dewatering in sand and phosphate matrix plants.

Advantages

Quinn specializes in the application, design, and manufacture of pilot plant and small commercial size equipment. Experience gained in pilot plant operation is incorporated in the design of the equipment.

Trouble free-grease lubricated submerged bearing.

V-belt drive permits speed variation. Enclosed running-in-oil speed reducer.

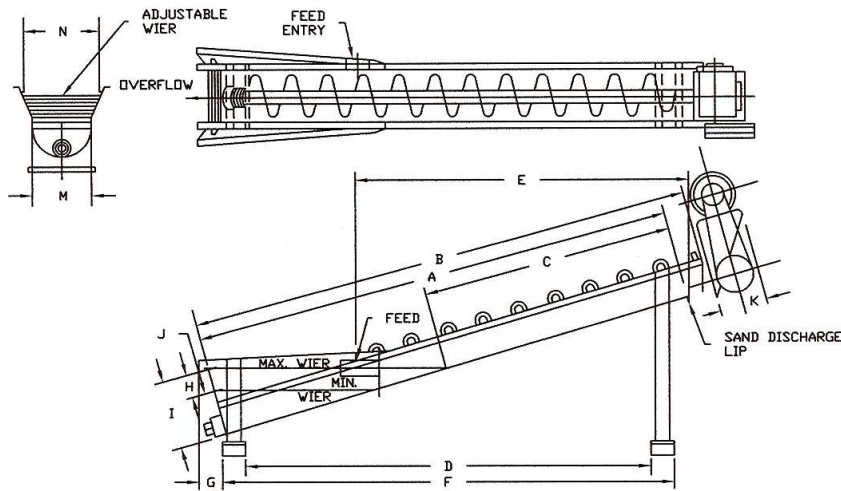
Package unit complete with leg supports.

Modified flare tank with adjustable weir provides wide capacity range.

Simple design -- most parts available at supply houses.

Available in corrosion resistant construction.

(Dimensions and specifications on reverse side.)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	CAPACITY		POOL AREA SQ. FT.		SPIRAL R.P.M.	EST. WEIGHT
															OVERFLOW	SAND	MIN. WEIR	MAX. WEIR		
6"	4'-8"	4'-10½"	2'-0"	3'-9½"	2'-11½"	4'-4½"	3¾"	3"	9"	1½"	11½"	2"	7½"	9"	400	1000	1.0	2.3	33 TO 66	225
	5'-6"	5'-8½"	2'-10"	4'-7½"	3'-9"	5'-2½"	3¾"	3"	9"	1½"	11½"	2"	7"	9"						265
	6'-4"	6'-6½"	3'-8"	5'-5½"	4'-7¾"	5'-11"	3¾"	3"	9"	1½"	11½"	2"	7"	9"						295
9"	5'-4"	5'-7½"	1'-7¾"	4'-6¾"	3'-10½"	5'-1"	5¼"	4½"	13½"	2"	11½"	3"	11½"	15"	900	1800	2.5	4.6	22 TO 44	450
	6'-7"	5'-10½"	2'-8"	5'-9"	5'-1¾"	6'-3¾"	5¼"	4½"	13½"	2"	11½"	3"	11½"	15"						500
	7'-10"	8'-1½"	3'-11¾"	6'-11¾"	6'-3¾"	7'-6½"	5¼"	4½"	13½"	2"	11½"	3"	11½"	15"						550
12"	8'-5"	8'-10"	2'-8"	7'-0"	2'-5"	7'-9"	9"	8½"	20"	3"	18"	5"	15"	18"	1050 TO 2280	4000	2.9	6.3	16 TO 32	500
	10'-5"	10'-10"	4'-8"	8'-10"	4'-4"	9'-9"	9"	8½"	20"	3"	18"	5"	15"	18"						590
	12'-5"	12'-10"	6'-8"	10'-8"	6'-3"	11'-9"	9"	8½"	20"	3"	18"	5"	15"	18"						670
	14'	14'-5"	8'-8"	12'-6"	8'-2"	13'-9"	9"	8½"	20"	3"	18"	5"	15"	18"						750
24"	18'	19'-6"	7'-0"	16'-8"	9'-9"	17'-2"	13¾"	18"	43"	3"	1'-6"		49"	36"	7000 TO 18000	16000	12	16	6 TO 15	4500

ALL DIMENSIONS ± ½"

CAPACITY IS IN lb/hr DRY SOLIDS AND 30% OVERFLOW DENSITY, BASED ON 65-MESH SEPARATION ON 2.7 SPECIFIC DENSITY SOLIDS AT MINIMUM. SAND RAKING CAPACITY BASED ON MID-RANGE RPM OF SPIRAL AND 60% EFFICIENCY.

Specifications

Spiral: Steel with flexible coupling and lifting device.

Submerged bearing: Grease lubricated, screw connection to shaft on 6" and 9" flange connection on

12" **Reducer:** Running-in-oil type.

Vari-pitch V-belt drive.

Guard: Solid steel.

Motor: 6" size, 1/4 hp; 9" size, 1/2 hp; 12" size, 1 hp.

Tank: Modified flare with adjustable weir. Fabricated steel. Support legs 3-1/2"/ft slope.

Paint: Rustoleum primer; green enamel finish.

Corrosion resistance: Available ss 316, other alloys, and elastomer coverings. Available with adjustable slope from approximately 2-1/2"/ft to 3-1/2"/ft.