



QPEC 24" x 36" Trommel Scrubber Rubber-Lined 316ss Discharge Screen



QPEC 30" x 48" Trommel Scrubber Rubber Lined Skid Mounted with Electrical & Plumbing

Applications

Quinn offers continuous Trommel Scrubber units for pilot plant or small commercial size operations. The units are utilized in mineral, chemical, industrial, and environmental processes. They basically are designed to autogenously scrub and/or break down materials by inter-particle contact resulting from impact or attrition in the presence of a liquid medium, normally water, acid liquor, brine, or other solutions. The trommel permits sizing of the discharge material.

Typical examples are as follows:

1. Scrubbing material from sand and gravel deposits to liberate clay content and produce coarse and fine fractions for subsequent treatment.
2. Scrubbing of material from gold and other heavy metal placer deposits to break down "clay balls", release values from waste material surfaces, and upgrade feed values by sizing to remove undesirable coarse fractions.
3. Scrubbing and sizing potash or phosphate ores for slimes removal prior to application of high intensity attrition scrubbing, grinding, and classification ahead of the flotation process.
4. Scrubbing and sizing of uranium ores for preconcentration of uranium values.

Advantages

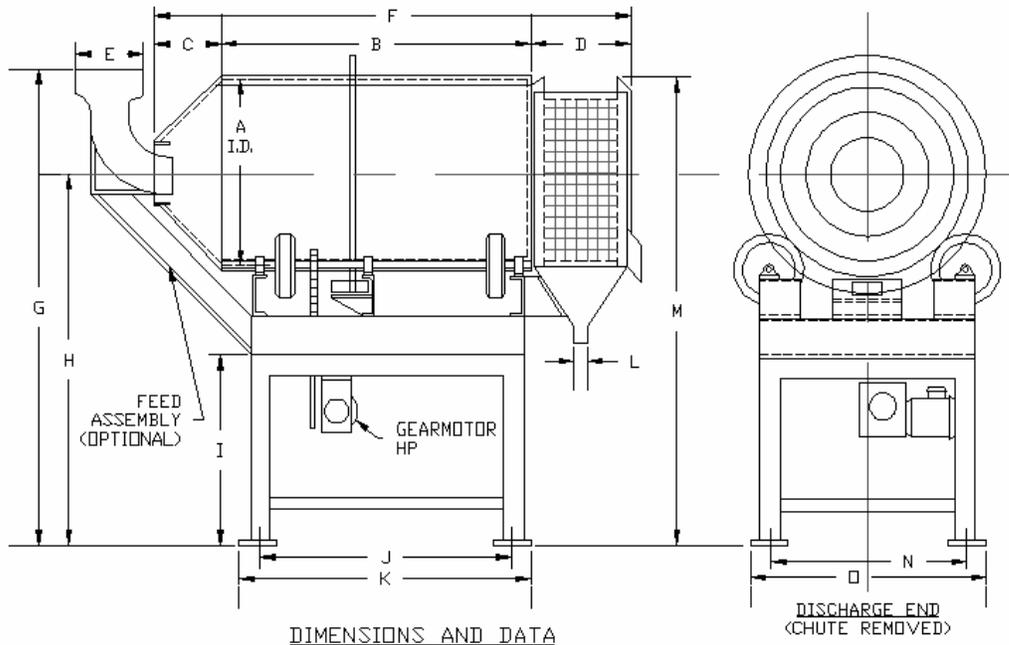
Furnished as a package complete with motor drive, feed assembly, product chutes all mounted on a structural steel stand ready for operation. Scrubber section is provided with lifter bars to lift and impact the solids. This action is important in creating particle contact to break down clays and other readily disintegrated materials. The resulting interaction of grain-to-grain contact between the materials scrubs the slimes from the surface of the particles.

The units are standard of mild steel and available with rubber or other elastomer-lined wetted parts for corrosion and/or abrasion or of stainless steel or other alloys for handling corrosive materials.

(Dimensions and specifications on reverse side.)

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LABORATORY AND PILOT PLANT EQUIPMENT FOR MINERAL AND CHEMICAL PROCESSES.



DIMENSIONS AND DATA

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	HP	RPM
18x30	18	30	5	8½	6	43½	DEPENDS ON "I"	TO SUIT INSTALLATION		21	26	1½	DEPENDS ON "I"	16	22	1	32
24x36	24	36	8	12½	8	56½				29	32	2		23	29	1½	24
30x48	30	48	10	15½	10	73½				37	43	2		30	36	2	20
36x54	36	54	13	18½	12	85½				42	48	3		38	44	2	17
48x60	48	60	18	21½	12	99½				46	52	4		48	54	3	11

Specifications

Drum: Fabricated of heavy mild steel plate with angle type lifters. A center guide ring is provided for contact with thrust idlers.

Feed assembly: Heavy cast steel tapered feed pipe assembly with support stand.

Discharge trommel: Heavy screen cloth or punched plate with size openings to suit application. Tack welded in place for ease of replacement.

Discharge chutes: Provided to collect over and undersize discharge products from trommel.

Drum rollers: Drum rotates on pneumatic rubber tires.

Thrust rollers: Heavy set of urethane or hard rubber thrust roller maintain alignment of rotating drum.

Support bearings: The drum roller shafts are supported on self-aligning pillow block bearings.

Reducer: Enclosed running-in-oil worm gear reducer is conveniently mounted beneath the drum area.

Motor: Is totally enclosed fan-cooled and of the "C" face flanged type for bolting to the reducer.
3, 60, 230/460 Volt.

Drive: Roller chain type including chain guard.

Paint, assembly: Unit is rustoleum primed, green enamel finished, and shipped completely assembled.

Note: Units available with wetted parts rubber or elastomer lined, or of stainless steel or other alloys. Also units can be furnished with modifications to suit customer's requirements.