MOVING DISC SCREW PRESS
#MDS - 101

MODEL:

MODEL	RAW WASTEWATER WASTE ACTIVATED CHEMICALLY PRECIPITATED SLUDGE			DISSOLVED-AIR FLOTATION SLUDGE	MIXED RAW SLUDGE AEROBIC DIGESTED SLUDGE SEWAGE SLUDGE
SLUDGE CONCENTRATION	0.2%	0.5%	2%	5%	3%
MDS - 101	4.4092 lb - DS/h (57.061 gal/h)	6.6139 lb - DS/h (79.252 gal/h)	11.023lb - DS/h (66.043 gal/h)	22.046 lb - DS/h (52.834 gal/h)	28.660 lb - DS/h (113.59 gal/h)

SIZING:

Model	Raw Sludge WAS Chemically Precipitated Sludge				DAF Sludge				Mixed Raw Sludge Aerobic Digested Sewage Sludge	
Feed %TS	0.2%		0.5%		2%		5%		3%	
~Flow / ~Loading	gpm	d.s. lbs/hr	gpm	d.s. lbs/hr	gpm	d.s. lbs/hr	gpm	d.s. lbs/hr	gpm	d.s. lbs/hr
MDS-101	4.5	4.5	2.5	6.25	1	10	0.9	22.5	2	30

SPECIFICATIONS:

MODEL	SCREW SHAFT SPECIFICATIONS (inch)	SLUDGE CAKE OUTLET DISTANCE (inch)	MACHINE SPECIFICATIONS (inch)			NET WEIGHT (lb)	RUNNING WEIGHT (lb)	POWER (W)	RINSING WATER (gal)
			Length	Width	Height				
MDS 101	3.9370 x 1	8.4646	71.496	29.764	40.945	440.92	639.34	200	6.3401

RUNNING CONDITIONS:

MODEL	POWER (W)			RINSING WATER PRESSURE	MAINTENANCE FREQUENCY	VULNERABLE PART REPLACEMENT CYCLE	
	Screw	Mixer	Total			Screw Shaft	Moving
MDS 101	100	100	200	14.503771 psi 29.0075402 psi (High pressure device not needed, tap water is fine.)	5 min / day	10,000	5000

Many factors will influence the dewatering capacities of the Rotary Fan Press (type of sludge/process, variations of process, feed solids concentration, volatile solids concentration, pretreatment selection, polymer selection, desired results, etc.) and in no way is the listed information a guarantee of performance.