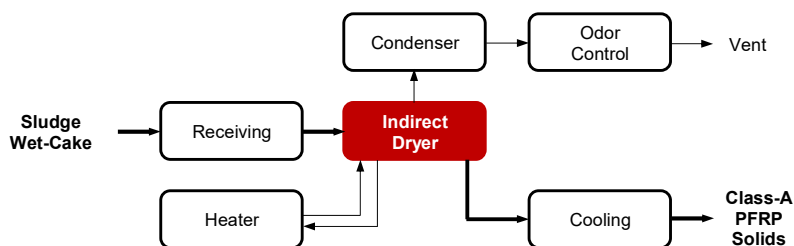


BIO-SCRU® DRYER SYSTEM

Specifications

PROCESS DESCRIPTION

The Bio-Scru® drying system is all equipment necessary to safely and effectively convert sludge wet-cake to Class-A PFRP heat-dried biosolids meeting all the process- and product requirements of 40 CFR 503, Subpart D including >20 minutes retention time at >80 °C and ≤10% moisture content.



SCOPE OF SUPPLY

STANDARD MAJOR EQUIPMENT

Dryer, Indirect, Twin Hollow-Flite Auger
Feed Hopper, Live Bottom
Feed Pump, Progressive Cavity
Thermal-Fluid Heater, Gas Fired
Condenser, 3-Stage Spray
Odor Filter, Chemisorption
Discharge Conveyor
Cooling Conveyor, Water-Cooled
Air-Lock Valves (Knife-Gate + Rotary)
Control Panels (PLC, HMI, VFDs)
Nitrogen Generator



TYPICAL SPECIFICATIONS¹

Model Name		IC-150	IC-800	IC-1800	IC-3600	IC-5400	IC-7000	IC-10000	IC-12000
Model Number		HSD07	HSD13	HSD18	HSD30	HSD36	HSD40	HSD48	HSD48
Heat Exchange Area	ft ²	55	227	473	1199	1788	2124	2754	3346
Auger Diameter	inches	7	13	18	30	36	40	48	48
Overall Length ²	ft-in	14'-5"	23'-2"	30'-7"	39'-0"	45'-5"	46'-0"	46'-9"	55'-4"
Overall Width ²	ft-in	4'-0"	3'-2"	4'-5"	6'-2"	7'-7"	8'-1"	9'-0"	9'-0"
Weight (Shipping)	klbs	2.6	11	22	55	78	95	110	130
Weight (Operating)	klbs	2.9	12	24	60	93	145	175	207
Dryer Motors ³ (Installed)	Hp	19.2	3	6	10	15	15	30	30
Electrical Power (Operating)	Hp	13.4	44.3	59.7	75.7	89.8	110.8	163.5	167.0
Thermal Fluid Fill	gallons	60	120	210	515	1010	1490	1970	2100
WAS Only	Capacity-	2.0	10.5	23.6	47.2	70.8	91.8	131.1	157.4
WAS w/ Primary	WTPD @	1.7	9.3	20.8	41.7	62.5	81.0	115.7	138.9
Aerobically Digested	20% TS	2.3	12.3	27.8	55.5	83.3	108.0	154.3	185.1
Anaerobically Digested	Feed	2.2	11.7	26.4	52.8	79.1	102.6	146.6	175.9
WAS Only	Capacity-	0.5	2.6	5.9	11.8	17.7	23.0	32.8	39.3
WAS w/ Primary	Average	0.3	1.8	4.0	8.0	12.0	15.6	22.3	26.7
Aerobically Digested	MGD	0.7	3.8	8.6	17.2	25.8	33.5	47.9	57.4
Anaerobically Digested	Capacity	0.8	4.0	9.1	18.1	27.2	35.2	50.3	60.4

NOTES

- Standard BCR specifications; subject to change without notice; excludes freight, taxes, bond, installation, commissioning, testing.
- Dryer only, all dimensions/weights approximate.
- Two motors/dryer; excludes ancillary equipment motors

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