

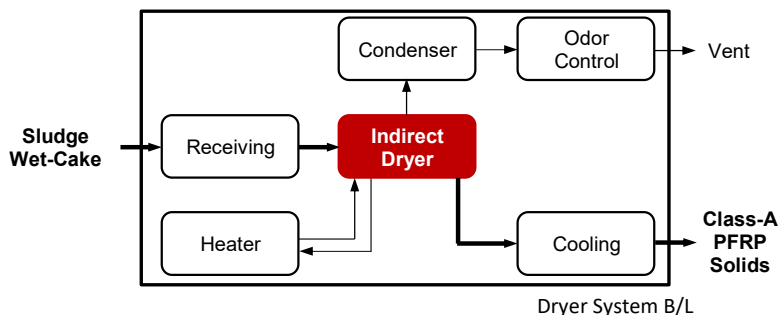


# BIO-SCRU® DRYER SYSTEM

## Specifications

### PROCESS DESCRIPTION

The Bio-Scru drying system contains 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  
Thermal-Fluid Heater, Gas Fired  
Condenser, 3-Stage Water Spray  
Discharge Conveyor  
Cooling Conveyor, Water-Cooled  
Air-Lock Valves (Knife-Gate + Rotary)  
Control Panels (PLC, HMI)



### TYPICAL SPECIFICATIONS<sup>1</sup>

| Model Name                            |                 | IC-800 | IC-1800 | IC-3600 | IC-5400 | IC-7000 | IC-10000 | IC-12000 |
|---------------------------------------|-----------------|--------|---------|---------|---------|---------|----------|----------|
| Model Number                          |                 | HSD13  | HSD18   | HSD30   | HSD36   | HSD40   | HSD48    | HSD48    |
| Heat Exchange Area                    | ft <sup>2</sup> | 226    | 470     | 1090    | 1820    | 2090    | 2750     | 3346     |
| Auger Diameter                        | inches          | 13     | 18      | 30      | 36      | 40      | 48       | 48       |
| Overall Length <sup>2</sup>           | ft-in           | 23'-2" | 30'-7"  | 39'-0"  | 45'-5"  | 46'-0"  | 46'-9"   | 55'-4"   |
| Overall Width <sup>2</sup>            | ft-in           | 3'-2"  | 4'-5"   | 6'-2"   | 7'-7"   | 8'-1"   | 9'-0"    | 9'-0"    |
| Weight (Shipping)                     | kls             | 11     | 22      | 55      | 78      | 95      | 110      | 130      |
| Weight (Operating)                    | kls             | 12     | 24      | 60      | 93      | 145     | 175      | 207      |
| Dryer Motors <sup>3</sup> (Installed) | Hp              | 3      | 6       | 10      | 15      | 15      | 30       | 40       |
| Electrical Power (Operating)          | Hp              | 44.3   | 59.7    | 75.7    | 89.8    | 110.8   | 135.7    | 163.7    |
| Reuse Water <sup>4</sup>              | GPM             | 40.0   | 85.0    | 165.0   | 250.0   | 320.0   | 460.0    | 500.0    |
| Thermal Fluid Fill                    | gallons         | 120    | 210     | 515     | 1010    | 1490    | 1970     | 2100     |

### 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
- Reuse water is required for the condensor & the cooling screw. The Flow rate estimate is based on the reuse water inlet temperature of 70°F

*This document contains proprietary information which is to be held confidential and may not be reproduced or disclosed to others without the prior written consent of BCR Environmental Corp.*