



## **POWDERED CARBON SLURRY MAKE-UP SYSTEM (PSC SERIES)**

The Powdered Slurry Carbon (PSC) Make-Up System includes one FRP tank, mixer, feed pump, bag breaker and dust collector. The system can be used to feed a carbon slurry solution to the reaction tanks prior to a microfilter.

The basic system configuration has one tank equipped with a cover, one Brawn™ mixer, solenoid valves, air station, line flush, air operated pump, bag breaker and dust collector.

The frame supports the mixer and recirculation pump. The electrical control box, piping manifold and wiring are also attached to the frame. Steps are supplied for operator access to the module.

### **Features**

- Fully assembled at the factory
- Factory tested
- Units are match marked for ease of reassembly

## SPECIFICATIONS

Model Number	PSC-250	PSC-500	PSC-1000	PSC-3000
Number of Tanks	One	One	One	One
Tank Material	FRP	FRP	FRP	FRP
Tank Volume	250 gallons 0.95 m <sup>3</sup>	500 gallons 1.9 m <sup>3</sup>	1,000 gallons 3.8 m <sup>3</sup>	3,000 gallons 11.4 m <sup>3</sup>
Tank Type	Vertical Cylindrical	Vertical Cylindrical	Vertical Cylindrical	Vertical Cylindrical
Pump Type	Air Diaphragm	Air Diaphragm	Air Diaphragm	Air Diaphragm
Mixer	1/4 HP, 120 V, 1-Phase, 60 Hz, TEFC	1/3 HP, 460 V, 3-Phase, 60 Hz, TEFC	1/2 HP, 460 V, 3-Phase, 60 Hz, TEFC	2 HP, 460 V, 3-Phase, 60 Hz, TEFC
Blower Size (HP)	1/2	1/2	1/2	2
Method of Construction	Skidded	Skidded	Catwalk-Mounted	Catwalk-Mounted
Water Requirements (intermittent)	25 gpm @ 20 psi 5.7 m <sup>3</sup> /hr @ 138 kPa	40 gpm @ 20 psi 9.1 m <sup>3</sup> /hr @ 138 kPa	50 gpm @ 20 psi 11.4 m <sup>3</sup> /hr @ 138 kPa	75 gpm @ 20 psi 17.0 m <sup>3</sup> /hr @ 138 kPa
Air Requirements	40 cfm @ 120 psi 68 m <sup>3</sup> /hr @ 828 kPa	40 cfm @ 120 psi 68 m <sup>3</sup> /hr @ 828 kPa	40 cfm @ 120 psi 68 m <sup>3</sup> /hr @ 828 kPa	40 cfm @ 120 psi 68 m <sup>3</sup> /hr @ 828 kPa
Dimensions (L x W x H)	80" x 55" x 85" 2,032 x 1,397 x 2,159 mm	88" x 55" x 94" 2,235 x 1,397 x 2,387 mm	100" x 113" x 145" 2,540 x 2,870 x 3,683 mm	200" x 155" x 160" 5,080 x 3,937 x 4,064 mm
Shipping Weight	879 lbs 399 kg	1,266 lbs 574 kg	2,445 lbs 1,109 kg	4,000 lbs 1,814 kg
Operating Weight	2,964 lbs 1,344 kg	5,438 lbs 2,467 kg	10,785 lbs 4,892 kg	30,000 lbs 13,608 kg



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