

Water Separation System

The Water Separation System is best described as a Solids Separation System.



The Water Separation System recycles the water in a closed loop rather than requiring a continuous supply of fresh water. The System provides water, free of particulates. Typically, water from the system has a light milky white appearance. This water is suitable for coring and grinding machines.

The Water Separation System greatly reduces the need to clean the collection pit. Actual cleaning requirements depend on the specific pit geometry.

ADVANTAGES OF WATER SEPARATION

Provides for environmentally friendly water re-use practice

Greatly reduces "pit" cleaning

Saves on water cost

HOW IT WORKS:

Water concrete slurry is pumped from a collection pit to a large cone-shaped settling tank. Slurry is removed periodically from the bottom of the tank. Clean water is drawn from the top of the tank and held in a holding tank. A sump pump provides water to the coring machine. The separation system can provide water to two machines with the addition of a second holding tank and pump.

DESIGN FEATURES:

Durable heavy steel construction

Large water pathways, no nozzles to clog

Uses standard off the shelf pumps that pass solids – no expensive grinding blades to replace

Can be expanded for multiple machines

Can be used with most existing sump and pit systems.

Technical Specifications

Voltage	110 VAC 20 AMP service min.
Slurry Pump	4/10 HP submersible
Clean Water Pump	3/10 HP submersible
Standing Height	11 feet
Floor Space Required	10 feet x 10 feet
Pit Capacity	60/6 x 4 feet (500 gallons ref.)
Total weight	300 pounds