



Sharples PM-75,000



Introducing the Sharples PM-75,000 Super Decanter Centrifuge, stainless steel construction, single lead conveyor, adjustable liquid plate dams, 95:1 gearbox capable of 200 gallons per minute in municipal applications. This unit has a 250 hp main drive and 100 hp back drive.

Our electrical control panel features full variable frequency drive (VFD) capabilities on all motors to help you handle your fluid control requirements. Additionally, the panels are enclosed by insulated control buildings equipped with various distribution capabilities all powered by one source connection. Each panel is equipped with VFDs for the bowl, the back drive, feed pump, and polymer pump.

Mechanical Specifications

Bowl Diameter	29"	Gear Box Ratio	95 to 1
Bowl Length	92"	Main Motor Size	250 H.P.
Maximum Design Speed	2600 RPM	Backdrive Motor Size	100 H.P.
G-Force	2800	Gearbox Size	180,000 inch-lbs

** Power Requirements 250 AMPS (480 Volt, 3 Phase)*

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Water Treatment

Colonel Ward Treatment Plant—Buffalo, NY

A PM-75,000 centrifuge has been used in multiple events at the Colonel Ward Treatment Plant for the dewatering of alum sludge from the lagoon and sedimentation basins. The feed solids for these projects ranged from 3-5% with average flow rates of 250 gallons per minute and cake dryness values of 22% solids. The advantage of using a PM-75,000 in this application is its versatility such that it is suited alum, PACL, and anthracite sludge created by the water treatment process.



Waste Water Treatment

Municipality of Port Hope—Port Hope, ON

Pace has utilized a PM-75,000 centrifuge for online dewatering in multiple events at the Port Hope Waste Water Plant. The centrifuge unit is being used for interim dewatering of treated sludge from the digesters as the plant is under large scale construction. In this application the PM-75,000 is achieving approximately 200 gallons per minute at feed solids rates of 2-4%. The PM-75,000 can also be used in digester cleaning events and lagoon dewatering.



Industrial Treatment

Alberta Pacific Forest Industries—Boyle, AB

Alberta Pacific (ALPAC) leased a Pace centrifuge for two and half years for evaluating the benefit of dewatering various pulp sludge applications. The primary goal of this unit was to eliminate secondary solids from going to the spill ponds, however the 75,000 also dealt with additional materials such as fiber and lime. Based on this evaluation, ALPAC purchased two new Alfa Laval centrifuges for continuous operation.

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