

Case study

Square Letdown Tanks

MorehouseCowles promotes the use of square tanks with round corners for all letdown applications, from lab units for fine-tuning formulas to 20,000 gallon production tanks. In fact, several major paint manufacturers choose to utilize square tank technology in their letdown applications for a multitude of reasons:

- Square tanks have a smaller footprint than a round tank, freeing up valuable floor space.
- Complete draining is achieved through a flat, sloped-to-discharge bottom.
- Horsepower requirements are greatly reduced – for example, an 80,000-gallon tank only needs a 30-horsepower motor – allowing the larger horsepower units to be utilized more efficiently.
- Optimum speed for any stage of the letdown process is achieved by an inverter-driven gearbox.

Yet the single largest advantage of square tanks with round corners is the natural baffling effect: the product flow generated in a square tank eliminates baffles, a round tank can sometimes be a hit-or-miss proposition. The absence of baffles means there are no annoying eddies that trap product and keep it from being fully incorporated in the batch; this also means faster and more thorough cleaning of the tank between batches.

For all letdown applications, big or small, square tanks with round corners provide optimum performance and value. MorehouseCowles has the knowledge and experience to design a letdown unit to meet all of the needs of the ever-expanding paint industry at competitive prices.

