

DRAINER WASHER COOLER (DWC)



Kusel's DWC is a unique piece of equipment specifically designed for cottage cheese. It gently drains the whey and continuously cools and washes the curd by means of a counter flow of water. It offers a natural tempering process while using less energy, water, labor, and floor space.

KEY FEATURES

- Patented design capable of receiving 100 gallons of hot curd and whey per minute.
- Recovers 94+% of the original whey which means less whey discharged into the drain. This results in significant wastewater reduction.
- **Continuously** washes and cools the curd from cooking temperature to pre creaming temperature using sterilized water while washing and removing the whey. This enhances the cooling and reduces the amount of water required.
- Improves cheese uniformity on a daily basis.
- Utilizes less labor than conventional systems.
- Requires less floor space.
- Total time required from the start of pump out until the curd is creamed and ready for filling is much less than other methods. The DWC eliminates the waiting for cheese between first sets and resets and allows better control of the filling operation.
- The gentle treatment of the curd is accomplished by the counter action of the revolving paddles moving through the curd in one direction while chilled water is moving in the opposite direction. As the curd moves through the DWC, the whey is washed out and the curd gradually tempered and cooled to the desired creaming temperature.
- Integral part of the Kusel Cottage Cheese system.

CONSTRUCTION

- Approximately 8 feet – 4 inches (2.5m) wide X 24 feet (7m) long
- Built for superior sanitation
- Constructed of type 304 stainless-steel
- Gear reducer turns the internal shaft at 1.6 RPM
- Includes spray balls for CIP cleaning
- 2HP, 3 phase, 60 cycle, 230/460 volt drive motor
- Includes level control to maintain the water level in the unit

STANDARD OPTIONS / ACCESSORIES

- Platform designed on customer input and final room layout
- Water system for DWC & DCR consisting of plate cooler, insulated water tank, water tank level control, RTD
- UVL unit for treatment of cooled wash water