

SAND COOLERS

Cool, Dry, and Convey

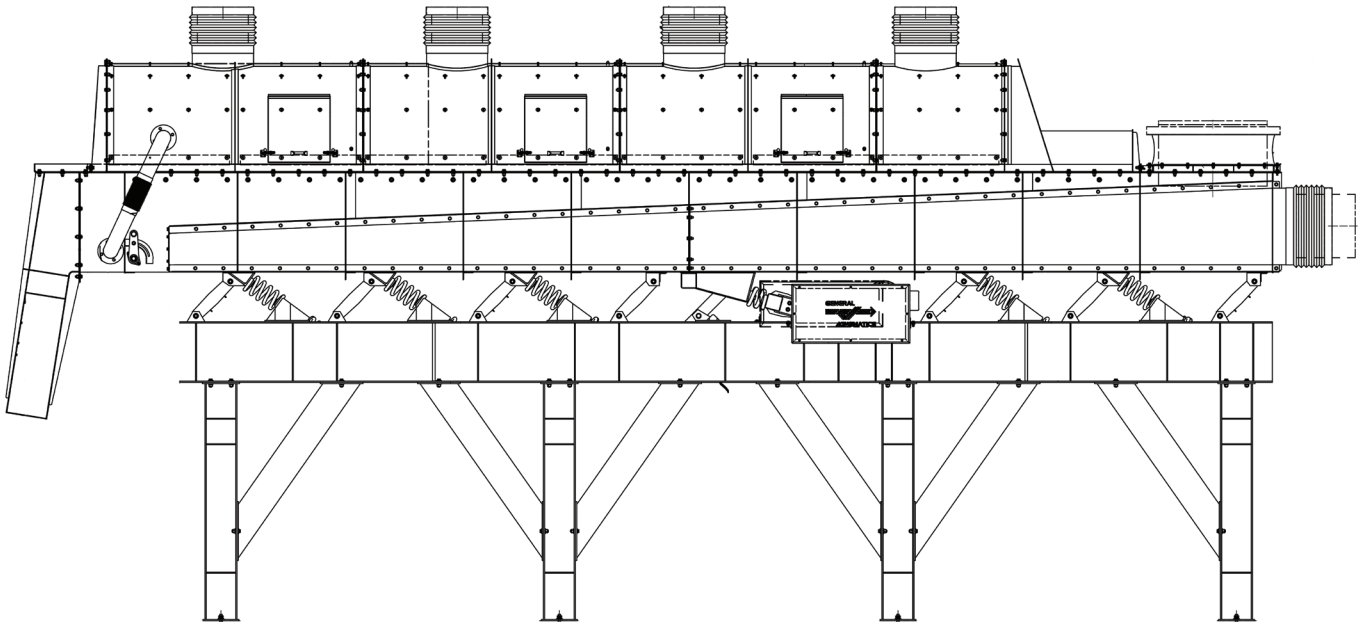
General Kinematics Vibratory Fluid Bed Sand Coolers are specially designed for evaporative cooling or drying of foundry sand. Air distribution decks are engineered to provide complete control of airflow for exceptional drying or cooling efficiency.

Options

- SPRAYCOOL™ water addition systems
- Inlet air fan and controls
- Heated inlet air systems
- Exhaust air systems
- Weir gate assemblies

Features

- Choice of vibratory balancing styles or isolated designs to suit specific installation requirements for foundations or structures.
- Custom designed to meet your sand cooling throughput needs to 500 tons or greater.
- Infinitely adjustable controls provide variable retention time and improved process efficiency.
- Inlet air distribution manifolds minimize costly stationary ductwork and supports.
- High efficiency, low horsepower Two-Mass drive reduces energy requirements.



Optional Water Addition System

General Kinematics SPRAYCOOL™ Water Addition Systems are designed for precise in-process conditioning of foundry sand — not achievable in rotary or other technologies. SPRAYCOOL™ improves the efficiency of evaporative cooling systems, and automatically adjusts water addition and blending rates to preset parameters. Custom engineered systems include all components and remote controls for state-of-the-art, non-contact temperature and weigh sensing.

- Water pressure regulating valve with integral strainer maintains constant nozzle pressure and precise flow rates.
- Automatic air purge of infrared temperature sensors minimizes dust buildup, assures consistent readings, and process control.
- Manual valves for easy service of strainer and optional booster pump.
- Feedback sensor automatically adjusts and maintains preset sand discharge temperature.

