



DSA SERIES BATCH DELIVERY CHILLERS

Compact Batch-Delivery Air-Cooled Chiller from 5 to 20 Tons



Cooling Technology's DSA Series – a recirculating chiller designed to cool water, brine, glycols and other homogenous fluids – is a self-contained, portable chiller for batch applications, such as dough mixing. It provides fully automated batch delivery of 35°F water that is easily set for various recipes.

USER-FRIENDLY

Cooling Technology's easy-to-use standard microprocessor controller offers a wide setpoint temperature range, from -58°F to 194°F.

SAFETY COMES STANDARD

Cooling Technology's standard safety mechanisms include a high refrigerant pressure relief valve, automatic high and low refrigerant pressure cut-off, and—on the process side—low flow cut-off and freeze protection.

CLEAN & EFFICIENT

All Cooling Technology water piping is manufactured with non-ferrous material to ensure clean process water and a corrosion-free environment. Completely insulated with closed cell foam, our design approach conserves energy.

QUALITY IS OUR CUSTOM

From the best available compressors to our NEMA 4 electrical panels and everything in between, Cooling Technology systems are constructed with quality.

READY TO RUN

All Cooling Technology chillers are fully-wired, fully-charged, and factory tested under load conditions to ensure easy installation and successful start-up.

FEATURES

- The Aaliant Batch Controller and Flow Totalizer provides precisely measured **batch control**. Water is automatically brought into the system and stored at the proper temperature in the tank until ready for use.
- Highly-efficient Type 316 stainless steel plate **evaporator**, featuring ridged patterns that are brazed together to form two separate channel systems that allow the refrigerant and fluid to flow in counter directions
- An **inline strainer** with removable stainless steel screen in the evaporator's supply line protects it from solids.
- **High flow, high pressure pumps** provide positive turbulent flow while an internal valved **water by-pass** allows accurate flow rates.
- **Attractive metal panels** reduce sound levels while the recessed quarter-turn latches allow easy maintenance.
- The FCA Series is constructed with **non-ferrous piping** to ensure clean process water and a corrosion-free environment.
- To monitor and regulate system temperature, the FCA Series uses a **digital temperature indicator, high and low pressure switches, low flow switch and freeze stat**.
- Precision temperature control is maintained with an **solid-state temperature controller** with $\pm 1^\circ\text{F}$ stability.
- **Hot gas bypass** ensures accurate temperature control and energy savings at partial loads.
- A liquid filled **pressure gauge** offers reliable pump pressure readings without fluctuations.
- An **insulated stainless steel tank** with sight glass, drain and make-up connection.

OPTIONS

- Automatic water make-up
- Remote panel
- Low-level alarm
- High ambient
- Outdoor location

Cooling Technology can customize this (or any!) unit to best suit your application with remote condensers, outdoor location, special color schemes, dual refrigeration circuits, microprocessor controller and modem, and alternative refrigerants.