

LS Series Chillers



MUELLER

Mueller® Model LS and LSA Chillers

Achieve Optimum Milk Quality

Paul Mueller Company model LS and LSA chillers are two of the most energy-efficient cooling systems in the world, utilizing high-quality Discus or Scroll compressors, which save energy and reduce electrical costs. LS series chillers, in conjunction with a Mueller® Accu-Therm® plate cooler, can be used for instant cooling or heavy precooling, depending on your dairy's needs. Bacteria growth inhibition and assurance of higher quality milk can be achieved via rapid cooling provided by a model LS or LSA chiller and Accu-Therm package. Mueller LS series chillers are also designed for ease of installation and operation.

MUELLER MODEL LS CHILLER SPECIFICATIONS			
Model No.	HP	Voltage	Condensing Unit Requirements*
LS20-5	20	208-240/60/1	(4) 5 hp Scroll
LS20-10	20	208-240/60/3 or 460/60/3	(2) 10 hp Discus or (2) 9 hp Scroll
LS30-10	30	208-240/60/3 or 460/60/3	(3) 10 hp Discus or (3) 9 hp Scroll
LS40-10	40	208-240/60/3 or 460/60/3	(4) 10 hp Discus or (4) 9 hp Scroll
LS30-15	30	208-240/60/3 or 460/60/3	(2) 15 hp Discus
LS45-15	45	208-240/60/3 or 460/60/3	(3) 15 hp Discus
LS60-15	60	208-240/60/3 or 460/60/3	(4) 15 hp Discus
LS60-30	50/60	208-240/60/3 or 460/60/3	(2) 25 hp or (2) 30 hp Discus
LS90-30	75/90	208-240/60/3 or 460/60/3	(3) 25 hp or (3) 30 hp Discus
LS120-30	100/120	208-240/60/3 or 460/60/3	(4) 25 hp or (4) 30 hp Discus
LS160-40	140/160	208-240/60/3 or 460/60/3	(4) 35 hp or (4) 40 hp Discus

All LS chillers have a 92-inch length, 51-inch width, 42-inch height, and 1,500-pound shipping weight.

MUELLER MODEL LSA CHILLER SPECIFICATIONS			
Model No.	HP	Voltage	Condensing Unit Requirements*
LSA30-5	30	208-240/60/1	(6) 5 hp Scroll
LSA60-10	60	208-240/60/3 or 460/60/3	(6) 10 hp Discus or (6) 9 hp Scroll
LSA90-15	90/120	208-240/60/3 or 460/60/3	(6) 15 hp or (6) 20 hp Discus
LSA180-30	150/180	208-240/60/3 or 460/60/3	(6) 25 hp or (6) 30 hp Discus
LSA240-40	210/240	208-240/60/3 or 460/60/3	(6) 35 hp or (6) 40 hp Discus

All LSA chillers have a 95-inch length, 54-inch width, 58-inch height, and 2,000-pound shipping weight.

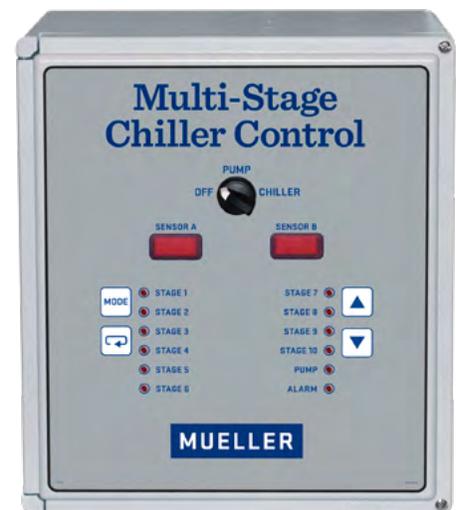
*Condensing units are not included with chiller.

Features and Benefits

- A **durable, polished stainless steel cabinet** prevents corrosion and contamination.
- **Large, removable covers** for easy access.
- The **insulated, stainless steel storage tank** includes an external sight glass to indicate the fluid level and a clean-out Y (Wye) strainer on the pump discharge prevents particles from entering the heat exchangers.
- The **chillers are compact and easy to install** for varying applications.
- A **stainless steel evaporator, engineered for 5-degree approach temperatures** , supports increased refrigeration and fast, efficient cooling.
- **Digital temperature indicators** let you monitor discharge and return water temperatures.
- All **water circulation lines are 3-inch copper with 150-pound, four-bolt, 3-inch flange connections** for ultimate durability.
- A **factory-installed, high-volume pump** is prewired for manual reset overload protection.

Mueller Multi-Stage Chiller Control

- A **programmable, 24-volt electronic temperature control, with dual digital-temperature displays and sensors** , delivers a quick, accurate chiller equipment status.
- Up to **10 independent stages of refrigeration control** , including “heat/cool” modes and independent setpoints, enable maximum flexibility during operation.
- A **pressure-operated, freeze-protection safety control** helps safeguard your product.
- **High- and low-temperature alarms** enhance your milk quality monitoring efforts.
- A **chilled-water flow alarm** permits quick troubleshooting.
- **Fused control circuitry** ensures superior long-term reliability.
- **Remote start capability** offers convenience and **touchpad programming** keeps operation simple.
- The **recirculation pump overload and starter** promote consistent temperatures and conserve energy.
- **Control and pump voltage options** are 208-230/60/3 or 460/60/3, with 50-hertz options available upon request. On LS20-5 and LSA30-5 models, a 208-230/60/1 voltage option is available.



PAUL MUELLER COMPANY

PAUL MUELLER, OUR FOUNDER



At Paul Mueller Company, we are united by a belief in quality that works for life. Our goal is to have lasting impact with every piece of processing equipment we build. This collective vision has led us from a small sheet metal shop into a global supplier of heating, cooling, processing, and storage solutions. Our equipment allows farmers, brewers, and engineers to keep their products fresh and their inventory strong. Whether our equipment preserves milk in rural areas or helps manufacture medicine with broad health benefits, we are making an impact across the globe.



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