

“LS” SERIES CHILLERS



MUELLER

THE MILK COOLING SYSTEMS SPECIALISTS™

Mueller® Model LS and LSA Chillers

The Latest Chiller Technology Keeps the Large Dairy Farmer in Mind!

Mueller® has taken its proven chiller technology a step further with new and improved “LS” series chillers.

Mueller 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 heat exchanger, can be used for instant cooling or heavy pre-cooling, depending on your dairy’s needs. Bacteria growth inhibition and assurance of higher quality milk can be achieved via the rapid cooling provided by a model LS or LSA chiller and Accu-Therm package.

Mueller “LS” series chillers are designed for ease of installation and operation. Best of all, model LS and LSA chillers are manufactured by Paul Mueller Company!



Features and Benefits

- Durable, polished stainless steel cabinet prevents corrosion and contamination.
- Large removable covers for easy accessibility.
- Insulated stainless steel storage tank includes an external sight glass to indicate fluid level and a 20-mesh screen on the outlet to prevent particles from entering the pump and heat exchanger.
- A stainless steel evaporator is engineered for 5° approach temperatures for increased refrigeration capacity and fast, efficient cooling.
- Compact and easy-to-install for varying applications.
- Discharge water is monitored, controlled, and displayed for operator interface with a digital temperature indicator.
- A factory-installed, high-volume pump is pre-wired with manual reset overload protection.
- All water circulation lines are 3" copper with 150#, 4-bolt, 3" flange connections.
- Manufactured exclusively by Paul Mueller Company. Quality assured. Customer satisfaction guaranteed.

Mueller Multi-Stage Chiller Control

- Programmable, 24-volt electronic temperature control with dual digital temperature displays and sensors.
- Up to 10 independent stages of refrigeration control, including heat/cool modes and independent setpoints.
- Freeze protection safety control, pressure operated.
- High- and low-temperature alarms.
- Chilled water flow alarm.
- Fused control circuit.
- Recirculation pump overload and starter.
- Remote start compatibility.
- Touch pad programming.
- Control and pump voltage options: 208-230/60/3 or 460/60/3 (50 Hz options are available on request).



Mueller Model LS Chiller Specifications

Model No.	HP	Voltage	Condensing Unit Requirements*	Length	Width	Height	Shipping Weight
LS20-5	20	208-240/60/1	(4) 5 hp Scroll	92"	51"	42"	1,500 lbs.
LS20-10	20	208-240/60/3	(2) 10 hp Discus or (2) 9 hp Scroll	92"	51"	42"	1,500 lbs.
		460/60/3					
LS30-10	30	208-240/60/3	(3) 10 hp Discus or (3) 9 hp Scroll	92"	51"	42"	1,500 lbs.
		460/60/3					
LS40-10	40	208-240/60/3	(4) 10 hp Discus or (4) 9 hp Scroll	92"	51"	42"	1,500 lbs.
		460/60/3					
LS30-15	30	208-240/60/3	(2) 15 hp Discus	92"	51"	42"	1,500 lbs.
		460/60/3					
LS45-15	45	208-240/60/3	(3) 15 hp Discus	92"	51"	42"	1,500 lbs.
		460/60/3					
LS60-15	60	208-240/60/3	(4) 15 hp Discus	92"	51"	42"	1,500 lbs.
		460/60/3					
LS60-30	50/60	208-240/60/3	(2) 25 hp or (2) 30 hp Discus	92"	51"	42"	1,500 lbs.
		460/60/3					
LS90-30	75/90	208-240/60/3	(3) 25 hp or (3) 30 hp Discus	92"	51"	42"	1,500 lbs.
		460/60/3					
LS120-30	100/120	208-240/60/3	(4) 25 hp or (4) 30 hp Discus	92"	51"	42"	1,500 lbs.
		460/60/3					
LS160-40	140/160	208-240/60/3	(3) 35 hp or (4) 40 hp Discus	92"	51"	42"	1,500 lbs.
		460/60/3					

Mueller Model LSA Chiller Specifications

Model No.	HP	Voltage	Condensing Unit Requirements*	Length	Width	Height	Shipping Weight
LSA60-10	60	208-240/60/3	(6) 10 hp Discus or (6) 9 hp Scroll	94 ³ / ₈ "	54"	58"	2,000 lbs.
		460/60/3					
LSA90-15	90/120	208-240/60/3	(6) 15 hp or (6) 20 hp Discus	94 ³ / ₈ "	54"	58"	2,000 lbs.
		460/60/3					
LSA180-30	150/180	208-240/60/3	(6) 25 hp or (6) 30 hp Discus	94 ³ / ₈ "	54"	58"	2,000 lbs.
		460/60/3					
LSA240-40	210/240	208-240/60/3	(6) 35 hp or (6) 40 hp Discus	94 ³ / ₈ "	54"	58"	2,000 lbs.
		460/60/3					

*Condensing units are not included with chiller.



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