

# “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 $\frac{3}{8}$ "	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 $\frac{3}{8}$ "	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 $\frac{3}{8}$ "	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 $\frac{3}{8}$ "	54"	58"	2,000 lbs.
		460/60/3					

\*Condensing units are not included with chiller.

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