



## Commercial School Milk Cooler User's Manual

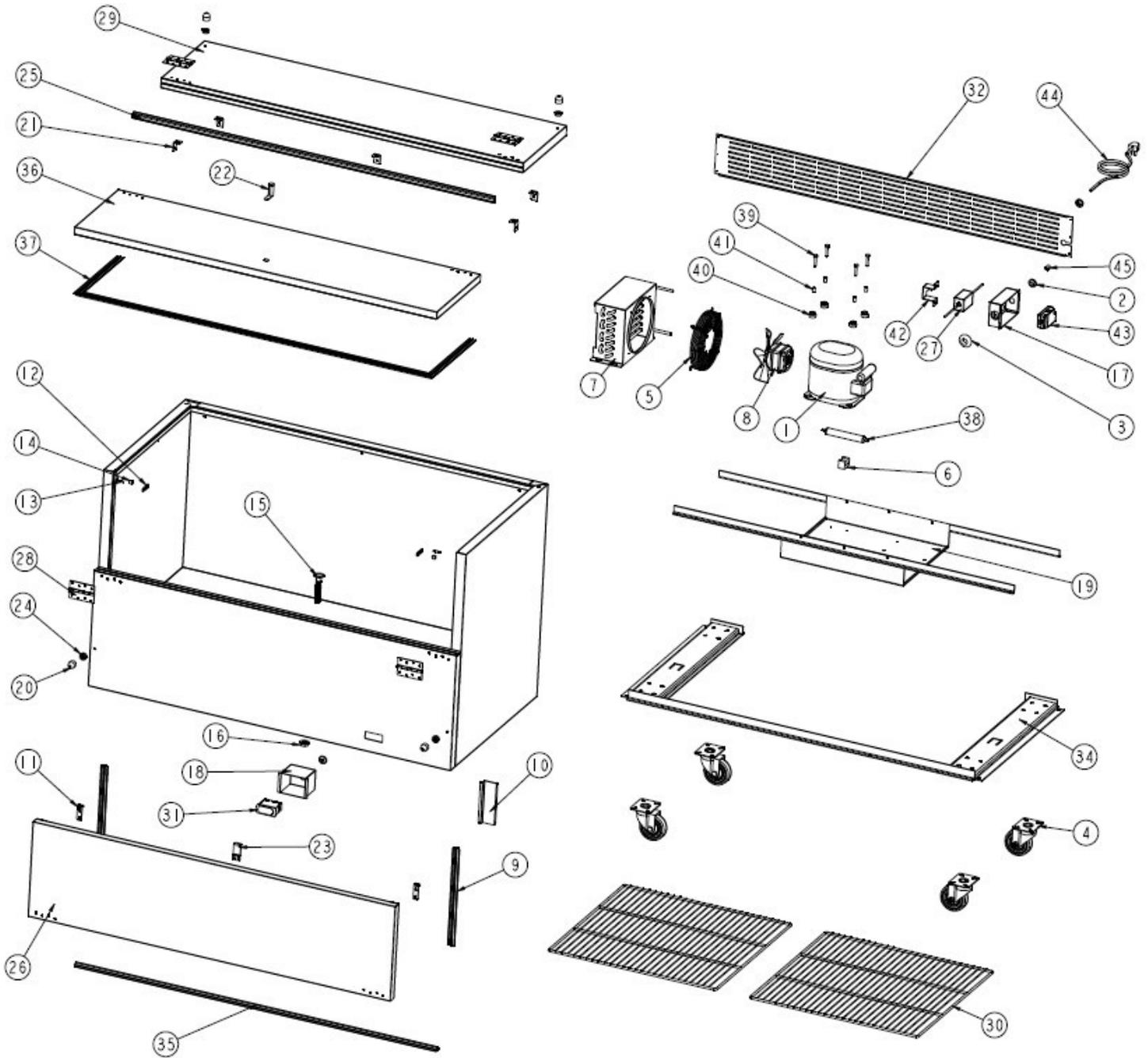
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**Commercial School Milk Coolers:**  
*MC34, MC49, MC58*

*Please read the manual thoroughly prior to equipment set-up, operation and maintenance.*

# User Manual

## Exploded Parts Diagram



Item No.	Parts Name	CSP Part #
1	Compressor	17810635
2	Power cord protector 20	*
3	Power cord protector 33	*
4	Caster	17819301
	Caster with brake	17816412
5	Cover of condenser fan motor	*
6	Filter fixer	*
7	Condenser	17811611
8	Condenser fan motor	17819194
	Condenser Fan Blade	17814791
9	Front door gasket for MC34	178GSKT18747
	Front door gasket for MC49	178GSKT17662
	Front door gasket for MC58	178GSKT14156
10	Cover of temperature sensor	*
11	Clasper	*
12	Hook	*
13	Hook Axis	*
14	Cover of hook axis	*
15	Drain hose	*
16	Drain nut	*
17	Cover for junction box	*
18	Cover of Digital controller	*
19	Assembling panel of Compressor unit of MC34	*
	Assembling panel of Compressor unit of MC49	*
	Assembling panel of Compressor unit of MC58	*
20	Stopper 1	*
21	Right-angled connector	*
22	Lock	*
23	Lock Clasper	*
24	Stopper 2	*
25	Top lid gasket for MC34	178GSKT17075
	Top lid gasket for MC49	178GSKT11692
	Top lid gasket for MC58	178GSKT14968

26	Front door for MC34	*
	Front door for MC49	*
	Front door for MC58	*
27	Transformer	
28	Door connector	178HINGMC
29	Top lid for MC34	*
	Top lid for MC49	*
	Top lid for MC58	*
30	Shelf for MC34	*
	Shelf for MC49	*
	Shelf for MC58	*
31	Digital controller	17815350
32	Back grill for MC34	*
	Back grill for MC49	*
	Back grill for MC58	*
33	Cabinet	N/A
34	Supporter for assembling board	*
35	Bottom gasket for MC34	178GSKT19365
	Bottom gasket for MC49	178GSKT10903
	Bottom gasket for MC58	178GSKT19991
36	Top door for MC34	*
	Top door for MC49	*
	Top door for MC58	*
37	Top door gasket for MC34	178GSKT14381
	Top door gasket for MC49	178GSKT15094
	Top door gasket for MC58	178GSKT19480
38	Filter	*
39	Screw	*
40	Compressor pad	*
41	Compressor pad sleeve	*
42	Transformer Fixer	*
43	Junction box	*
44	Power cord	*
45	Clip for power cord	17810175

\*Consult Factory for Part Number

Please read this manual thoroughly prior to equipment set-up, operation and maintenance.

## ***Inspection***

When the equipment is received, all items should be carefully checked against the bill of landing to insure all crates and cartons have been received. All units should be inspected for concealed damage by uncrating the units immediately. If any damage is found, it should be reported to the carrier at once, and a claim should be filed with the carrier. This equipment has been inspected and tested in the Avantco Refrigeration. Facility and has been crated in accordance with transportation rules and guidelines. Manufacturer is not responsible for freight loss or damage.

## ***Installation***

### **GENERAL**

Take care when removing the skid, so that it will not damage the cooler's finish. Do not tip cabinet to install casters or legs. Insure that the casters or legs are screwed all the way into the base.

### **LOCATION**

The self contained refrigeration system located at the bottom of the cabinet requires free air access for proper operation. The back of the cabinet may be positioned against a wall, however, there must be a minimum four inch clearance between the sides and a wall. It is necessary to properly level cooler to provide adequate drainage and efficient functioning of the unit.

### **ELECTRICAL**

Check the proposed outlet to be used to insure that the voltage, phase, and current carrying capacity of the circuit from the electrical panel correspond to the requirements of the cabinet. Plug all standard models into a 110 volts A.C.60 cycle outlet. NEVER use an extension cord to power any unit. All wiring between the electrical panel and the unit must be done in accordance with the National Electric Code and all state and local codes. Refer to the Serial Tag for all pertinent electrical information.

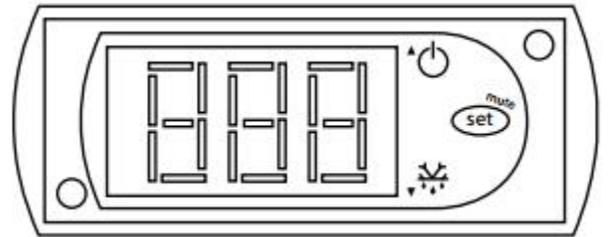
## General Operation

The milk coolers are cooled entirely by convection as a result of copper coils completely encircling the perimeter of the storage compartment. During the refrigeration process, heat is removed through the evaporator tubing and expelled through the condensing unit. It is important that the flow of air through the side louvers is not restricted in order to ensure the condensing unit operates properly. Under normal operating conditions, any frost that might accumulate on the walls during the “on” cycle of the condensing unit may melt during the “off” cycle. Drains are installed in all milk coolers to accommodate melting frost.

## Adjusting the Temperature

Milk coolers are programmed to operate between 35 and 40 degrees Fahrenheit.

To set the temperature you would like your unit to run at, follow these instructions:



1. Hold “SET” for 1 sec. The display will flash the temperature that the refrigerator is currently set to run at.
2. Use the arrow buttons to adjust the temperature you want it to run at.
3. Press “SET” again to save your settings. If the unit consistently runs 5 + degrees higher than your set temperature, service may be needed.

**Note:** All other control functions should be performed by a service technician.

## Running a Manual Defrost Cycle

Units are pre-programmed to run automatic defrost cycles at preset intervals. However, if you would like to run a manual defrost cycle at any time, please follow the steps below:

1. Press the defrost button (snowflake symbol and down arrow) for approximately 3 seconds.
2. Repeat to stop the defrost cycle.

## General Maintenance

### PERIODIC CLEANING

Beginning with the initial installation, the interior surfaces of the cabinet should be periodically wiped down with a solution of warm water and baking soda. This solution will remove any odors from spillage that has occurred. The exterior of the cabinet should also be cleaned frequently with a commercial grade glass cleaner or with mild soap and water. Never, under any circumstances, use an abrasive cleaner or alkaline solution.

Monthly cleaning of the condenser will aid the heat transfer characteristics of the refrigeration system and increase its efficiency. To accomplish this, remove the louvered panel from the cabinet and use a wire brush to loosen any dirt particles that are attached to the fins. After this is accomplished, use a vacuum cleaner to remove the loosened particles.

## Troubleshooting

### **Compressor Will Not Start, No Hum**

Service cord unplugged	Plug in service cord
Fuse blown or removed	Determine reasons and correct
Control stuck open	Repair or replace
Wiring incorrect	Check wiring against the diagram

### **Compressor Will Not Start, Hums but Trips Overload Protector**

Improperly wired	Check against the wiring diagram
Low voltage to unit	Determine the reason and correct
Starting capacitor defective	Determine the reason and replace
Relay failing to close	Determine the reason, correct or replace

### **Compressor Starts & Runs but Short Cycles on Overload Protector**

Low voltage to unit	Determine the reason and correct
Overload defective	Check current, replace overload protector
Excessive head pressure	Check ventilation or restriction in refrigeration system
Compressor hot-return gas hot	Check refrigeration charge, fix leak if necessary

## **Warranty Information**

Units in this manual are backed by a 1 year parts and labor warranty, with a 5 year warranty on the compressor. For warranty inquiries or service, first locate:

- The model number and cabinet serial number (located on the front of the unit, or inside the door jamb).
- The **bold** number on the service plate (located on the front of the unit).

Next, call 1-800-678-5517. Be sure to have the model number, cabinet serial number, and service plate number available when contacting service technicians.

This warranty does not apply to, and Avantco is not responsible for, any warranty claims made on products sold or used outside of the United States.

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