MUELLER ROBOTIC INTERFACE CONTROL OPERATING INSTRUCTIONS

ROBOT AND TANK COMMUNICATIONS –E-STOP ONLY

- Press and hold to E-STOP on the robotic interface control.
- Switch should be used for emergency stops only.
- If E-STOPPED, the robotic interface control will send the dairyman a critical alarm.

ROBOT MILK COOLING SIGNAL LED

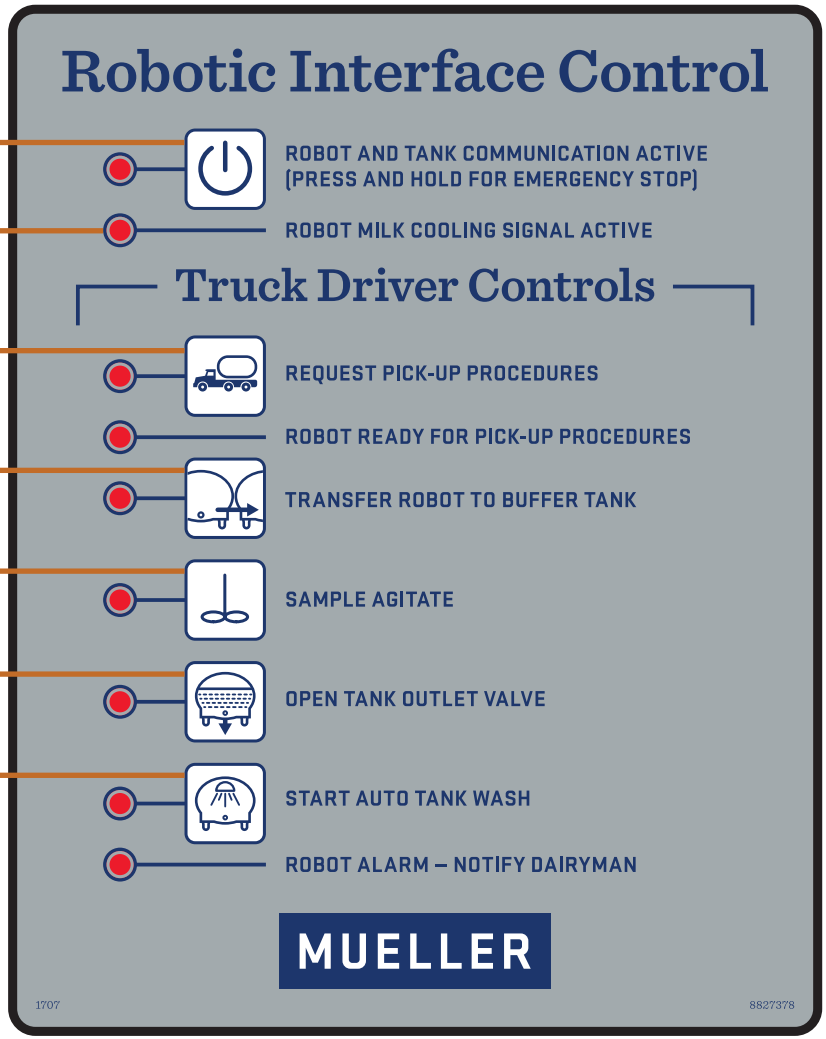
- The LED will energize when the robotic interface control calls for active milk cooling.
- The robotic interface control then sends a signal to the HiPerForm® III to initiate the cooling mode (bottom units or all units) refrigeration.

COOLING ALL UNITS

NOTE: The truck driver should not press any switches on the HiPerForm III control; all procedures are performed on the robotic interface control.

1. Press and release the "Request Pick-Up Procedures" switch until the "Robot Ready for Pick-Up Procedures" LED starts to flash. Wait until the LED changes from a flash to a constant illumination and you hear the air valves switch prior to proceeding.
2. Press the "Transfer Robot to Auxiliary Tank" switch only if a second milk cooler is used. (NOTE: This switch is deactivated and not used with buffer tanks.)
3. Prepare the milk cooler for milk measurement reading. If an external gauge is used, make external gauge connections at the milk cooler outlet valve, and manually close the milk cooler outlet valve.
4. Press and hold the "Open Tank Outlet Valve" switch until the LED energizes constant and you hear the air valves switch.
5. Manually open the milk cooler outlet valve, take milk measurement reading in the external gauge, then close outlet valve manually, and connect the pick-up hose.
6. Press the "Sample Agitate" switch to start programmed sample agitate run-time. The cycle time display on the HiPerForm III will show the minutes remaining for completion of the sample agitation function. When the sample agitation time has expired, take the milk sample.
7. Prepare truck pick-up transfer procedures, manually open milk cooler outlet valve, and empty milk cooler.
8. Manually rinse the milk cooler, and make wash pump and fill water connections for wash cycle.
9. Press the "Start Auto Tank Wash" switch to start the milk cooler wash cycle. Ensure that the pre-rinse LED has energized on the HiPerForm III and check for water leaks in the wash connections prior to leaving the milk house.

Please post near the control box!



Please refer to the RIC installation and operation manual for detailed instructions and precautions.

See reverse side for cautions. →

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CAUTION

- Wear eye protection, rubber gloves, and aprons when operating equipment and handling chemicals.
- Follow all instructions, warnings, and health hazard information provided by the chemical manufacturer.
- Request a copy of the Material Safety Data Sheet (MSDS) for each cleaning chemical in use. Keep these readily available and be familiar with the first aid instructions and emergency contacts in case of a chemical accident or spill.
- Keep all chemicals out of reach of children.
- Only use cleaning solutions and materials specifically recommended for stainless steel and approved for food handling equipment.
- Never use more chemical than called for by the chemical manufacturer's instructions. Excessive use of cleaning chemicals can corrode and cause permanent damage to the stainless steel.
- Do not sanitize your milk cooler with solutions containing in excess of 200 parts per million of chlorine. This can cause permanent damage and corrosion to the stainless steel.
- Never mix any chlorine containing compounds with acid. This can result in damage to the stainless steel and can generate a hazardous gas dangerous to your health.
- Never wash the milk cooler with water temperatures exceeding 170°F (76.6°C).
- Never allow tools, clamps, or other wet objects to lie on the surface of the milk cooler.
- Keep all surfaces of the milk cooler clean.
- Never use abrasive materials on the stainless steel.
- Never put cleaning chemicals in an empty milk cooler. Always have water in the cooler first for proper chemical dilution.
- The milk cooler's vent assembly must be in place at all times. This milk cooler is not designed for pressure or vacuum applications. Severe damage can occur if it is not properly ventilated.
- Before entering the milk cooler, disconnect power to the agitator, remove and retain manway cover latch, and remove footwear that could scratch the stainless steel.
- An additional person must be present for safety purposes during confined entry.
- Always open manway cover for additional venting while the milk cooler is being emptied.
- Inspect the milk cooler ladder hardware on a regular basis. Never climb a ladder that is in need of repair.