Manitowoc® Parts & Service Communicator

Subject: Low Pressure Cutout Control Specifications

All current production CVD Condensing Units (CVD675/CVD885/CVD1085/CVD1185/CVD1285/CVD1485/CVD1486/CVD1885) will utilize a new Low Pressure Cutout Control.

This is a direct replacement LPCO which remains part number 20-0222-9.

Function

Energizes and de-energizes the contactor coil when suction pressure rises above or falls below setpoint.

The LPCO control is closed at pressures above setpoint and opens at pressures below setpoint.

Specifications	
Cut-Out	Cut-In
12 psig ±3	35 psig ±3

Check Procedure

1. Connect manifold gauges at suction and discharge access valves at the condensing unit.
2. Set ICE/OFF/CLEAN switch to OFF.
3. The liquid line solenoid valve will de-energize and the suction pressure will begin to decrease. The low-pressure control will open at the listed specification.
4. Use the manifold gauge set to increase suction pressure. Feed refrigerant from the high side access valve to the low side access valve. Add refrigerant in small increments to allow the low side pressure to be monitored. The low pressure control will close at the listed specification.

Replace the LPCO control if it:

1. Will not close at the specified setpoint.
2. Does not open at the specified setpoint.