



## CONDENSING UNIT EVACUATION STATION



These stations can evacuate and perform a “rate of rise test” on air conditioners or condensing units. With the ability to process analog input from the vacuum gauge, the Allen Bradley Micrologix 1200 PLC based control system at each station monitors the base pressure of the vacuum pump, tracks the pressure in the unit during pump down, and performs the rate of rise test. The communications capability of the controller at each evacuation station provides the ability to track units via barcode and log the evacuation data from each station on a central PC.

The pump runs continuously and pneumatically actuated vacuum valves open at the start and close at the end of each cycle. The cycle can be initiated locally by push button or remotely upon receipt of input from an optional wireless barcode reader. Local indicator lights signal the in progress test status and test outcome. Standard accessories include a pump oil level sensor, a fixed flow gas ballast and oil reservoir “bubbler” to extend oil life, an oil mist eliminator, an inlet vent valve, and an oil drip pan with casters.

An optional gas analysis system can be integrated with multiple evacuation stations to verify that the unit has been properly dehydrated prior to charging with refrigerant.