



## DISTRIBUTED EVACUATION and CHARGE SYSTEM



The distributed Evacuation and Charging system from the VTI/PCU alliance provides the most efficient single point evacuation and charge capability with no disconnect/reconnects between operations. This minimizes the chance of connector leakage problems after product evacuation.

Second only to having an actual leak, water is the greatest enemy in vacuum conditioning A/C units prior to charging with refrigerant. Performing frequent 'rate of rise' tests during the evacuation cycle monitors the condition of the vacuum being established allowing independent determination of the optimum cycle end time. This maximizes production throughput by using each individual pumping station only as long as necessary. 'Wet' units automatically get a longer pump time while 'Dry' units are allowed to move on more quickly. This enhances and ensures more consistent product quality.

Distributing the charging capability, it is only used for a fraction of the complete cycle time for each unit being processed, allows a single charger to serve multiple stations so reducing cost. It is also possible to provide dual refrigerant capability in this system.

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