

DualCharge™

Dual Refrigerant Evacuation & Charge

DualCharge™, ECI's Dual Refrigerant Evacuation and Charge Station, is essentially two charge boards in one. It uses one computer and one barcode reader to retrieve the parameters. There is no downtime due to product changeover because the system contains two completely independent refrigerant circuits consisting of two batch controllers and two turbine flow meters equipped with temperature compensation. The system contains two sets of guns—one for each refrigerant. The guns are designed with different fittings. For example PCU for R-22 and Hansen for R-410A. This feature makes it physically impossible to connect the wrong set of guns to a unit.



* Sample refrigerant combination



Features:

- Two independent refrigerant circuits (compatible with all refrigerants)
- 21CFM Leybold vacuum pump
- Fully customizable hardware layout and connection design
- Programmable test parameters
- Displays average cycle time and quantity of units through station
- Refrigerant temperature compensation
- Windows® 2000 Professional OS, Microsoft® SQL Server® 2000 database
- Calibration software included
- Computer controlled sequence of operations
- Manual screen for maintenance control of I/O to aid in troubleshooting
- Display of plant refrigerant pressure
- Real time display or graph of all process variables: vacuum, flow rate, inputs, outputs, etc.

Options:

- Customized anodized gun color options
- Capable of oil charging
- Real-time moisture analysis
- Touch screen monitor
- Custom unit connections
- Cordless or fixed bar code scanner
- Capable of scanning key components
- Customer specified PC

Services Required:

- Electric: 110V, 15A service
- Adequate refrigerant pressure and/or oil supply for charging
- Vacuum pump service/disconnect
- Plant air

Advantages:

- Station is stand-alone, providing inherent backup
- Zero downtime with refrigerant change-over
- No vacuum loss between evacuation and charging
- Leading edge moisture monitoring technology
- Runs on network or local drive for 100% uptime
- Complete refrigerant accountability (each station reclaims the normally vented gas)
- Password protected, user-friendly setting of control limits
- Automatic barcode retrieval of evacuation parameters and charge weights from BOM (AS-400, Oracle, SQL Server, MAPICS, or Access databases)

