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MODULE 1

1 hour

Overview of Supermarket System Types and Strategies

- Design & Building Various Parallel Systems
- Sporlan Component Selection & Design Considerations
- Oil Management Operation
- Defrost Types & Other System Functionality



MODULE 2

2 hours

12 Common Thermostatic Expansion Valves Problems & Solutions

- Understanding Common Thermostatic Expansion Valve Failures
- Trouble Shooting & Diagnostics
- Balancing Pressures & Understanding Thermostatic Expansion Valve Operation
- Proper Installation & Component Placement



MODULE 3

1 hour

Basic CO₂ System Operation, Control & Electronic Expansion Valves



MODULE 1

2 hour

Supermarket Specialist – Systems



- Operation Setup & Control
- Split Condenser Systems
- Defrost Strategies & Efficacy
- Heat Reclaim Methodology & Utilization
- Sub-Cooling Usage & Performances
- Oil Management Systems
- Refrigerant Conversions & Considerations

MODULE 2


2 hour

Sporlan Virtual Engineer Software & Selection Program & the Effects of Design

- Introduction to Virtual Engineer & Selection Software
- Interpreting Results & Component Selections
- Importance of Accurate Design Conditions & Entry
- Using Virtual Engineer to Troubleshoot & Diagnose Sporlan Components
- Validating Alternative Selections
- Considering Calculated Values to Determine Additional Components Required



Welcome to Parker Sporlan's Virtual Engineer Sizing and Selection Tool

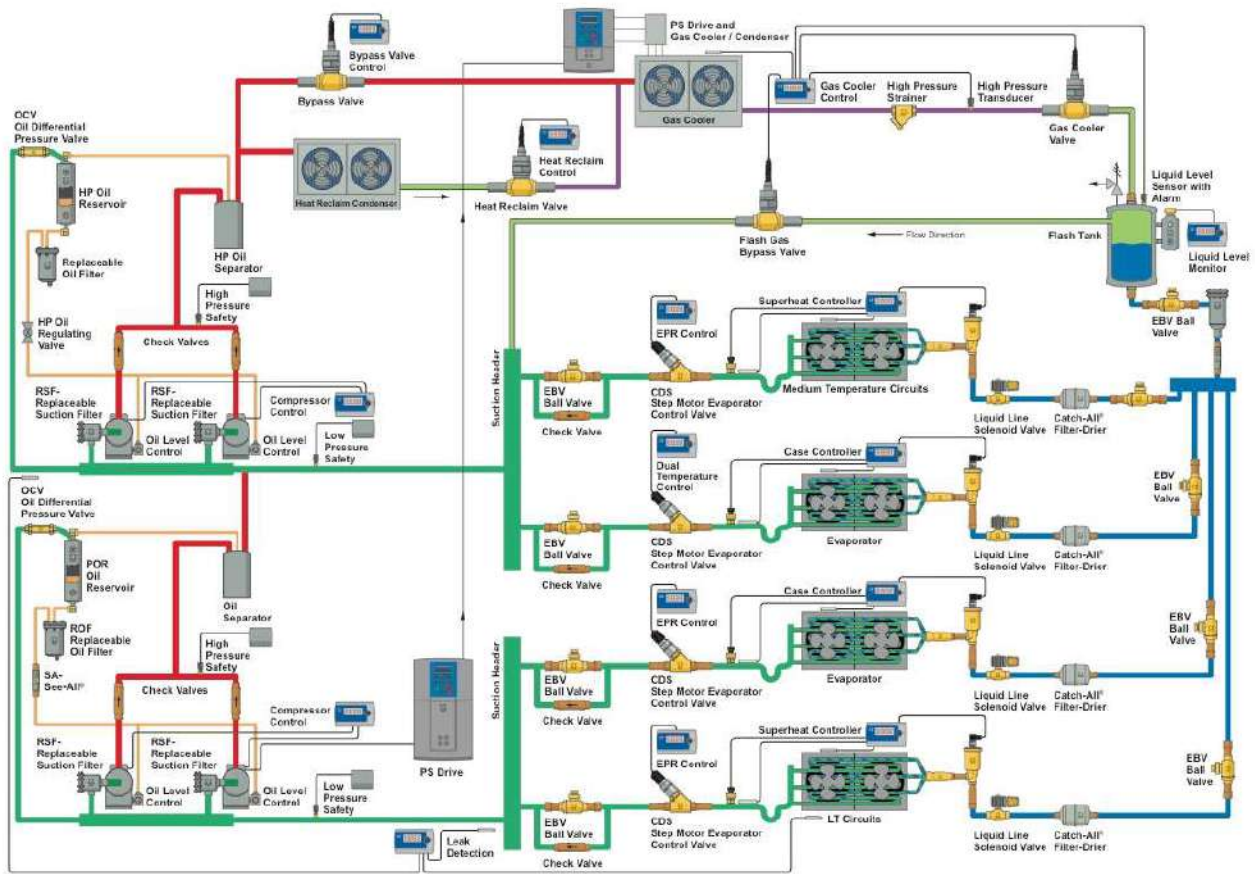


Virtual Engineer

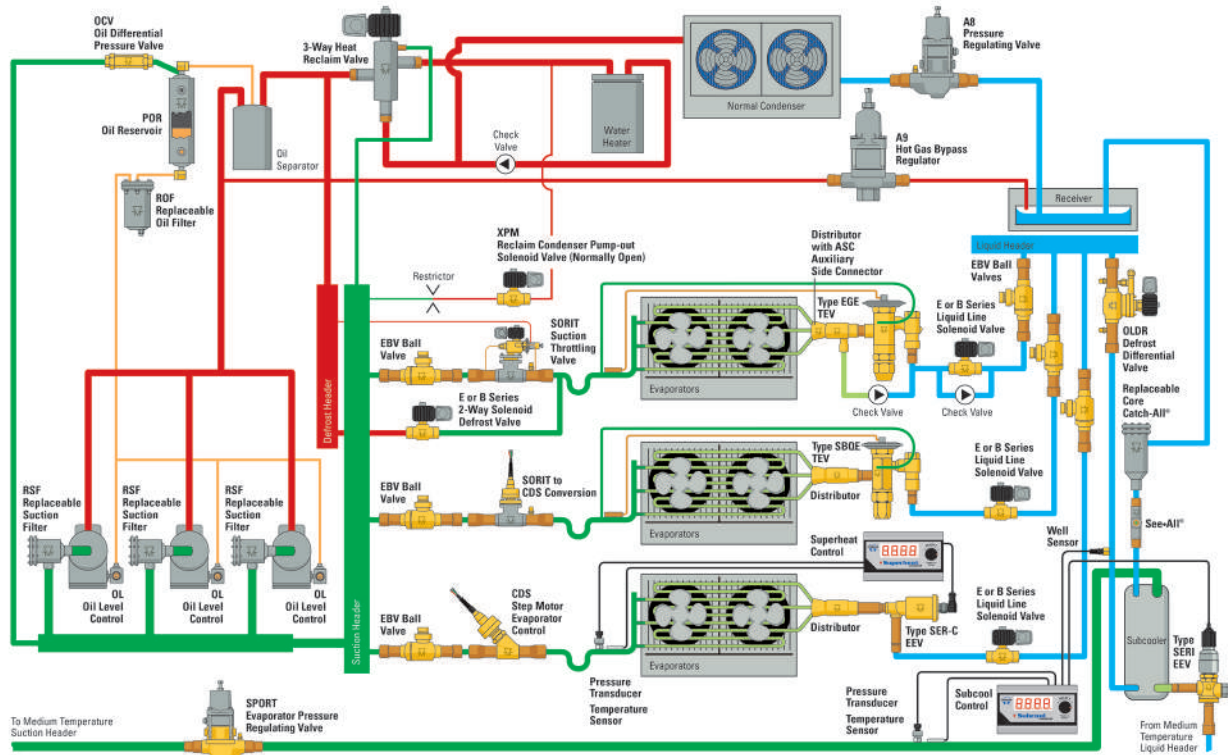
Parker Sporlan's Virtual Engineer is an innovative design tool for climate control and refrigeration applications.

Save engineering time with three simple steps:

1. Enter application details using the intuitive interface
2. Size and select products that meet the demands of your application
3. Share your project and download files easily



Supermarket Piping Diagram



Schematic is for component location only, not a typical piping recommendation.

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