

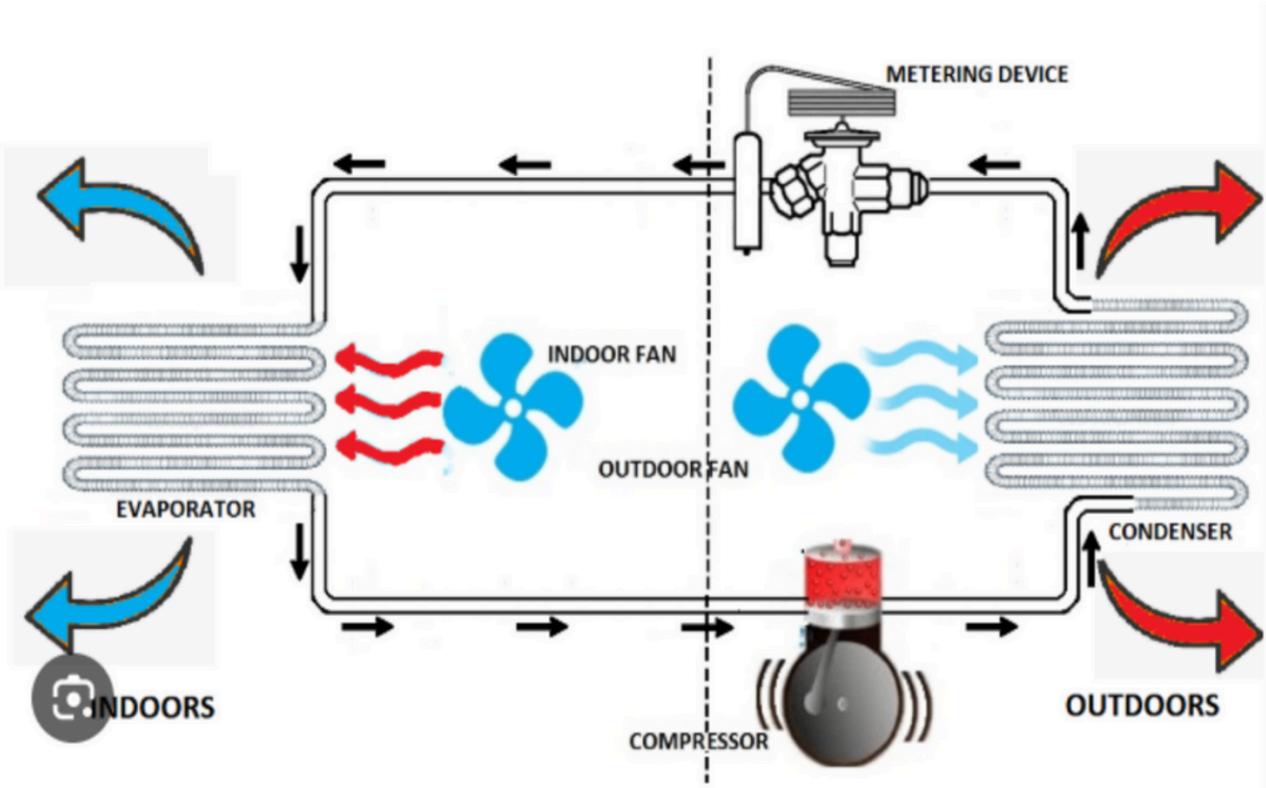


What Is It?

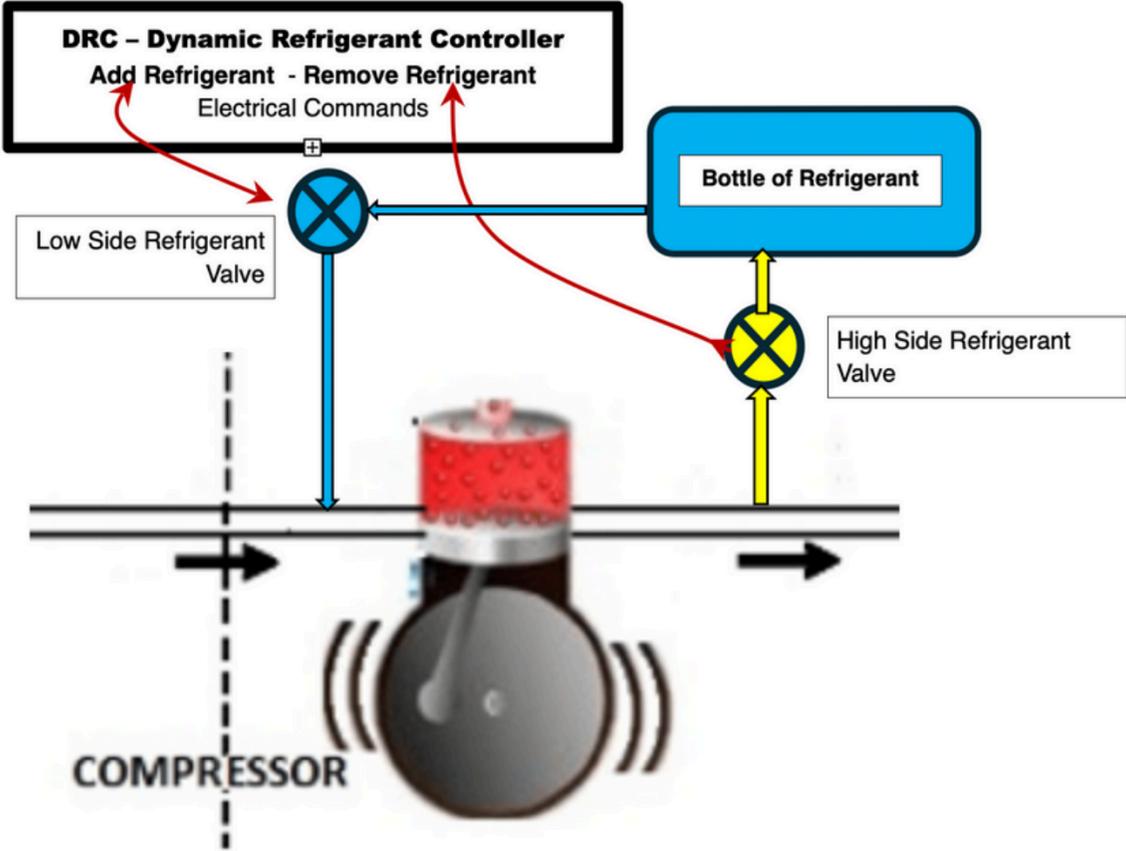
- The DRC SweetSpot® is a dynamic fine-tuning refrigerant system.
- Automatically adjusts superheat in real-time to optimize HVAC system performance.
- Works with air conditioners, heat pumps, chillers, and refrigeration units.

DRC Dynamic Refrigerant Controller

Basic Refrigeration System



DRC Dynamic Refrigerant Controller



How It Works

- Uses a computer-controlled system to monitor and adjust superheat continuously.
- Operates while the system is running, adapting to real-time conditions.
- Keeps equipment operating at peak factory-set efficiency.

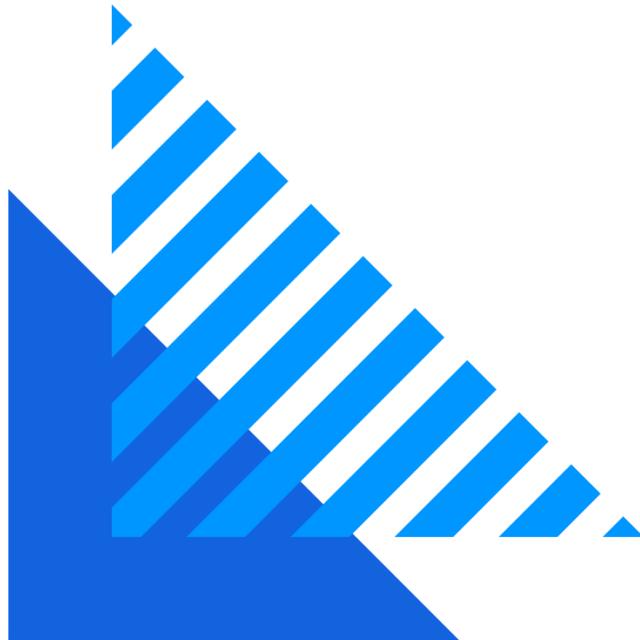
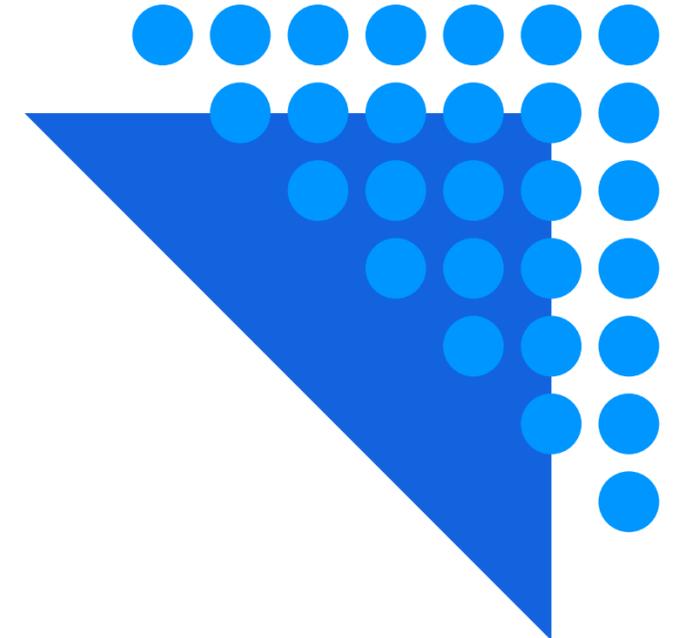
DRC Dynamic Refrigerant Controller

How the DRC controls Super Heat:

1. The DRC measures the Suction Pressure on the Compressor
2. Looks up the corresponding Temperature for that refrigerant at that Pressure
3. Stores the Temperature calculated from pressure
4. Measures the Suction Line Temperature
5. Stores the Suction Line Temperature
6. Takes the Difference between the Pressure to Temperature conversion and the actual line Temperature
7. Compares the difference in Temperature (Super Heat) to a 12 °F Reference Number.
8. If the Superheat is too high or > 12 °F, the DRC adds refrigerant by opening the Low Side Refrigerant Valve.
9. If the Superheat is too low or < 12 °F, the DRC removes refrigerant by opening the High Side Refrigerant Valve.
10. Refrigerant is constantly added or removed to maintain a 12 °F Superheat under all operational conditions.

Key Benefits

- Up to 19% reduction in electricity use
- Fast ROI : Payback in 12-16 months
- Can be moved to new equipment
- Extended equipment life with fewer repairs and lower maintenance
- Environmentally friendly : up to 19% Co2 reduction





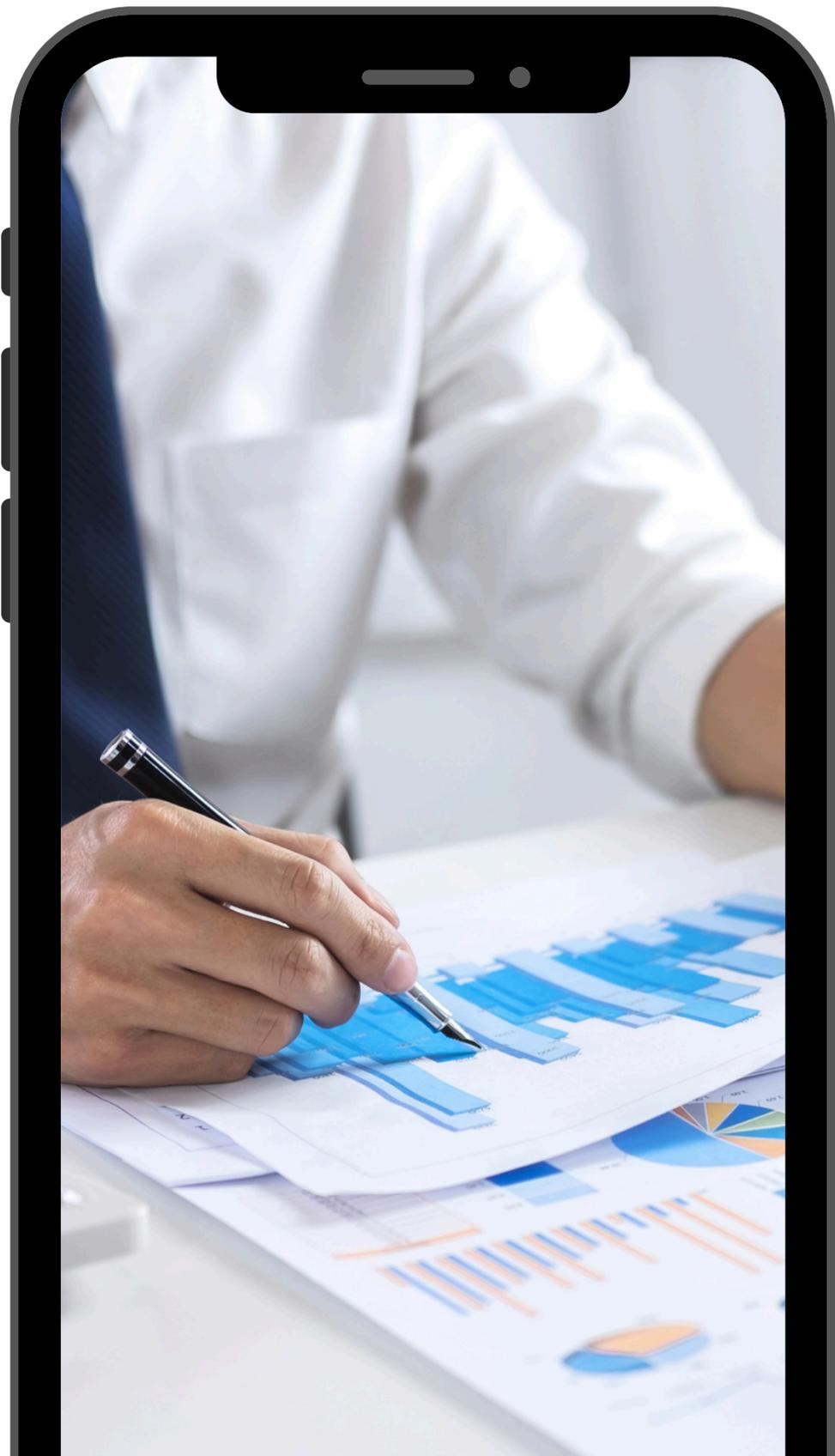
Easy Installation

- No soldering or downtime
- Installed by any licensed HVAC contractor
- Takes about 2 hours



Reliability & Credentials

- US Patented (#11,274,867) and trademarked as SWEET-SPOT
- Made in Oklahoma, USA
- First tested in 2003 in Dallas, TX
- Comes with a 2-year limited warranty



Summary

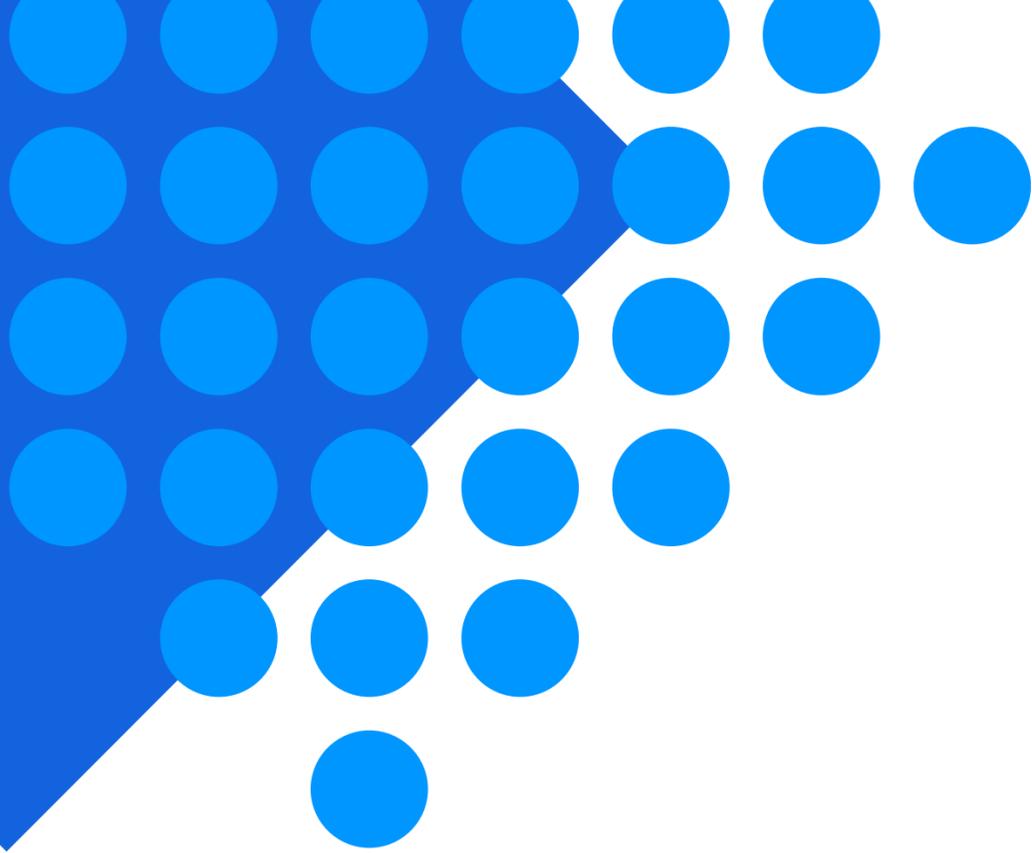
DRC Sweet-Spot® boosts efficiency, reduces costs and supports sustainability.

A simple upgrade with long-term value and short payback.
Smart investment for both residential and commercial HVAC systems.

Any Questions?

Call the friendly folks at USAinvent
1-888-710-6123





**THANK
YOU**
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