

## Phase 5 — Block 6 Overview

Block 6 introduces the refrigerant service procedures used to safely recover, test, evacuate, and charge refrigeration systems. You'll develop an understanding of refrigerant types, A2L safety, leak detection, pressure testing, and the proper use of

recovery machines, vacuum pumps, gauges, and charging equipment. The concepts and skills presented in this block support safe refrigeration service, system repairs, and field diagnostics throughout Phase 5.

## Block Completion Requirements

Access *Absorb* resources through DRW platform & contact a mentor/supervisor for topic assistance. This Mastery is instructor-led + must be completed with a Senior/Master Technician with extensive refrigeration systems experience.



1. Review all *Absorb* resources



2. Complete all *Articulate* questions



3. Complete the **Instructor-led Mastery**

## Absorb Resources

Refer to the DRW Learning Block online for the complete list of assigned resources for this block. Topics to review include:

### REFR. SERVICE SKILLS

- Refrigerant Recovery
- Leak Detection & Pressure Testing
- Vacuum & Evacuation Procedures
- Refrigerant Charging

### LMS REFRIGERATION

- A2L Safety
- Refrigerant Fundamentals
- Refrigerant Service Procedures

### SUPPLEMENTAL

- Service Equipment Training
- Tech Direct Articles
- Manufacturer Resources

Resources

## Key Competencies

By completion of this Learning Block, technicians should demonstrate competency in:

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Refrigerant Types & Applications | <input type="checkbox"/> Manifold Gauge Operation       | <input type="checkbox"/> System Evacuation Procedures         |
| <input type="checkbox"/> A2L Safety Fundamentals          | <input type="checkbox"/> Pressure Testing with Nitrogen | <input type="checkbox"/> Refrigerant Charging Procedures      |
| <input type="checkbox"/> Refrigerant Recovery Procedures  | <input type="checkbox"/> Leak Detection Techniques      | <input type="checkbox"/> Refrigerant Scale Usage              |
| <input type="checkbox"/> Recovery Machine Operation       | <input type="checkbox"/> Vacuum Pump Operation          | <input type="checkbox"/> Refr. Documentation & Best Practices |

Competencies

# Mastery

Instructor-Led Skills Session  
**Refrigerant: Recovery, Pressure Testing, Vacuum & Charging**

Complete **Assessment Tasks** with an instructor, then return to DRW platform to document:

- Refrigerant Fundamentals – Discuss refrigerant types, industry transitions, A2L refrigerants + key safety considerations.
- Recovery Procedures – Demonstrate refrigerant recovery, equipment operation, and proper documentation.
- Pressure Testing & Leak Detection – Show proper use of nitrogen regulators, tanks, valves + leak detection procedures.
- Vacuum Procedures – Show proper vacuum pump setup, evacuation procedures + explain purpose of system evacuation.
- Charging Procedures – Demonstrate proper refrigerant charging techniques using scales and charging equipment.
- Safety & Best Practices – Discuss equipment monitoring, unattended operation, and safe refrigerant handling.
- Hands-On Practice – Perform recovery, pressure testing, evacuation, and charging procedures under instructor guidance.

Name: \_\_\_\_\_

Phase Start Date: \_\_\_\_\_