

Phase 5 — Block 7 Overview

Block 7 prepares technicians to earn their EPA 608 Certification by building an understanding of refrigerant regulations, safe refrigerant handling practices, and certification requirements. Through guided learning resources, practice exams, and final

certification, the Technician will develop the knowledge required to safely service refrigeration systems while remaining compliant with EPA regulations. Once the exam is successfully completed, be sure to upload your certification to the DRW platform.

Block Completion Requirements

Access all Absorb resources through the DRW platform and complete each of the four EPA 608 Practice Tests before proceeding to the final certification exam. After successfully passing the EPA 608 Certification Exam, return to the DRW platform and upload a copy of your EPA Certification Card for Supervisor verification and documentation.



1. Review all Absorb resources



2. Articulate: Take and pass all linked EPA Practice Exams



3. Pass EPA 608 Certification Exam and upload your certification card

Absorb Resources

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

ASSIGNED VIDEOS

- EPA 608 Core Prep
- EPA 608 Core Questions
- EPA 608 Type I Prep
- EPA 608 Type I Practice Test
- EPA 608 Type II Prep
- EPA 608 Type II Practice Test

LMS REFRIGERATION

- EPA 608 Core Certification Prep

EPA STUDY MATERIAL

- EPA 608 Study Book
(available via Local Supply House)

Resources

Key Competencies

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

- | | | |
|--|---|---|
| ☐ EPA Refrigerant Regulations | ☐ Recovery Requirements | ☐ EPA Type I Certification Topics |
| ☐ Ozone Depletion & Envir. Responsibility | ☐ Leak Prevention & Compliance | ☐ EPA Type II Certification Topics |
| ☐ Refrigerant Safety & Handling | ☐ Refrigerant Cylinders & Identification | ☐ EPA Certification Exam Readiness |

Competencies

Mastery

EPA 608 Certification

Complete the **EPA 608 Certification** process by successfully passing the certification exam through an EPA-approved testing organization.

- Register for and complete the EPA 608 Certification Exam.
- Retain a copy of your EPA Certification Card.
- Return to the DRW platform.
- Upload your EPA Certification Card for Supervisor verification and documentation.

Brazing in Tight Spaces

Phase 5

BLOCK 8

Phase 5 — Block 8 Overview

Block 8 reinforces brazing and soldering fundamentals by applying them in confined and restricted work areas commonly encountered during refrigeration service. Technicians will strengthen safe work

practices, improve tool proficiency, and develop confidence performing component replacement procedures using proper refrigerant recovery, nitrogen purging, and brazing techniques.

Block Completion Requirements

Access Absorb resources through the DRW platform and continue practicing brazing and soldering techniques in tight spaces. This Mastery is instructor-led and must be completed with a Senior or Master Technician experienced in refrigeration systems.



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:

ASSIGNED VIDEOS

- Brazing & Soldering Review
- Refrigeration Practice Review

HANDS-ON PRACTICE

- Brazing and soldering in tight spaces

SAFETY DISCUSSION

- Safe brazing practices in confined or restricted work areas

Resources

Key Competencies

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

- | | | |
|--|--|--|
| ☐ Refrigerant Recovery Procedures | ☐ Vacuum Pump & Refr. Scale Setup | ☐ Brazing in Tight Spaces |
| ☐ Safe Use of Refrigeration Service Tools | ☐ Nitrogen Purging Techniques | ☐ Safe Work Practices in Confined Areas |
| ☐ Manifold Gauge Operation | ☐ Component Removal & Replacement | ☐ Refr. System Repair Confidence |

Competencies

Mastery

Instructor-Led Skills Session
Brazing in Tight Spaces

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

- **Recovery** — Demonstrate proper refrigerant recovery procedures and safe refrigerant handling practices.
- **Service Equipment** — Demonstrate proper setup and operation of manifold gauges, vacuum pumps, refrigeration scales, recovery equipment, and related service tools.
- **Nitrogen Purging** — Demonstrate proper nitrogen purging techniques during component replacement.
- **Component Replacement** — Recover refrigerant, remove a component (such as a filter drier), and braze a replacement component into the system.
- **Brazing** — Demonstrate proper brazing and soldering techniques in tight or restricted work areas.
- **Practice** — Complete the component replacement exercise at least two times using real-world or training equipment.

Name:

Phase Start Date:

DRW

Refrigerated Dryers

Phase Final Test — page 1

Phase 5

BLOCK 9

Phase 5 — Block 9 Overview

Block 9 is the Phase 5 Final Assessment. Use the Block 9 Final Prep on the DRW platform to review and prepare for the seven assessment topics. **Once confident in your knowledge and hands-on skills, schedule time with a Senior or Master Technician experienced in refrigerated dryers.**

Use this syllabus (or the Block 9 Final on DRW) to guide your assessment. Once complete, return to DRW to document each session, including evaluator feedback and areas for improvement, and submit for Supervisor review. This feedback helps your Supervisor plan your continued development.

Phase 5 Final Checklist

The Phase 5 Final evaluates your knowledge and hands-on competency across the seven assessment topics below. Use this checklist with your Senior or Master Technician to complete each required task.

Check off each task as it is completed, then return to the DRW platform to document your assessment and submit for Supervisor review.

1 Refrigerant Recovery

Under the supervision of your Evaluator, complete the listed Assessment Tasks. Confirm completion on DRW.

- ☐ **Refrigerant Recovery:** Technician should perform a refrigerant recovery on a refrigerated dryer.
- ☐ **LOTO & Setup:** Technician should lock out/tag out unit & connect gauges, recovery pump, recovery tank & scale.
- ☐ **Refrigerant Handling:** Technician to explain whether different refrigerants can be mixed in recovery tank & why.
- ☐ **Recovery Procedure:** Technician to explain and demonstrate the proper valve sequence for recovering refrigerant.
- ☐ **Filter Drier:** Technician to explain when a filter drier should be used during refrigerant recovery.
- ☐ **Recovery Tank:** Technician should identify appropriate tank pressure limits and explain the risks of overfilling.
- ☐ **Tank Cooling:** Technician to explain methods for cooling the recovery tank or using an in-line condenser & why.
- ☐ **Documentation:** Technician to explain importance of documenting the amount of refrigerant recovered from unit.
- ☐ **Solenoid Magnet:** Technician to explain when a solenoid magnet may be required during recovery & why.

2 Nitrogen Use & Testing

Under the supervision of your Evaluator, complete the listed Assessment Tasks. Confirm completion on DRW.

- ☐ **Nitrogen Use:** Technician to explain how nitrogen is used for brazing and pressure testing.
- ☐ **Purge Setup:** Technician to set up nitrogen tank, regulators & hoses for purging/flowing.
- ☐ **Purging:** Technician to explain why nitrogen is purged/flowed during brazing..
- ☐ **Pressure Test Setup:** Technician to set up nitrogen tank, regulators & hoses for pressure testing.
- ☐ **Pressure Testing:** Technician to identify proper test pressure & explain the purpose of pressure testing.

Name: _____

Phase Final Date: _____

DRW

Phase 5 Final Checklist

3 Vacuum Pump & Evacuation

Under the supervision of your Evaluator, complete the listed Assessment Tasks. Confirm completion on DRW.

- ☐ **Vacuum Purpose:** Technician to explain why a vacuum is required before charging.
- ☐ **Vacuum Setup:** Technician to connect gauges, vacuum pump & vacuum gauge.
- ☐ **Vacuum Level:** Technician to identify the acceptable vacuum level before proceeding.
- ☐ **Vacuum Procedure:** Technician to demonstrate the proper procedure for pulling an adequate vacuum.

4 Refrigerant Charging

Under the supervision of your Evaluator, complete the listed Assessment Tasks. Confirm completion on DRW.

- ☐ **Charging Prep:** Technician to explain when to charge refrigerant & what must be done first.
- ☐ **Refrigerant Charge:** Technician to identify the correct refrigerant type & charge amount.
- ☐ **Charging Setup:** Technician to connect gauges & refrigerant tank and properly set up the scale.
- ☐ **Blended Refrigerants:** Technician to explain proper tank position when charging blended refrigerants.
- ☐ **High-Side Charging:** Technician to explain why refrigerant should be charged into the high-pressure side.
- ☐ **Tank Heater:** Technician to explain the benefit of using a blanket heater on the refrigerant tank.

5 Soldering

Under the supervision of your Evaluator, complete the listed Assessment Tasks. Confirm completion on DRW.

- ☐ **Soldering Use:** Technician to explain when soldering should be used & why.
- ☐ **Temperature:** Technician to identify the approximate copper temperature when soldering.
- ☐ **Solder Type:** Technician to identify the solder type used & percentage of silver.
- ☐ **Flame Setup:** Technician to demonstrate appropriate flame heat & size for soldering.
- ☐ **Soldering:** Technician to solder a copper-to-copper joint.
- ☐ **Preparation:** Technician to demonstrate proper sanding, deburring, cleaning & flux application.
- ☐ **Joint Quality:** Technician to demonstrate a safe technique and produce a joint free of holes & leaks.

Phase 5 Final Checklist

6 Brazing

Under the supervision of your Evaluator, complete the listed Assessment Tasks. Confirm completion on DRW.

- ☐ **Brazing Use:** Technician to explain when brazing should be used & why.
- ☐ **Temperature:** Technician to identify the approximate metal temperature when brazing.
- ☐ **Brazing Rod:** Technician to identify the material makeup of the brazing rod.
- ☐ **Preparation:** Technician to explain the prep work required before brazing.
- ☐ **Flame Setup:** Technician to demonstrate appropriate flame heat & size for brazing.
- ☐ **Brazing:** Technician to braze in a small filter drier.
- ☐ **Joint Quality:** Technician to demonstrate a safe technique and produce a joint free of holes & leaks.

7 Silver Soldering

Under the supervision of your Evaluator, complete the listed Assessment Tasks. Confirm completion on DRW.

- ☐ **Silver Soldering Use:** Technician to explain when silver soldering should be used & why.
- ☐ **Temperature:** Technician to identify the approximate metal temperature when silver soldering.
- ☐ **Flame Setup:** Technician to demonstrate appropriate flame heat & size for silver soldering.
- ☐ **Silver Soldering:** Technician to solder in a small filter fitting using silver solder.
- ☐ **Joint Quality:** Technician to demonstrate a safe technique and produce a joint free of holes & leaks.

Completion

Complete Phase 5

Real Work, Real Thinking — **Real Competence.**

Great job on completing Phase 5 and the Final Assessment.
Return to the DRW platform to document your completed assessment and any feedback provided by your evaluator. Submit your Final for Supervisor review to help guide your continued development.

Confirm completion on DRW:

- ☐ **Document completion of all 7 assessment topics and evaluator feedback.**
- ☐ **Enter your company email and submit your completed Phase 5 Final.**