

# Basic and Advanced Refrigeration

<b>Catalogue Number</b>	77-8301-0002
<b>Category</b>	Vocational
<b>Duration</b>	15 Hours

## Chapter 1

Introduction to Industrial Refrigeration Systems

Experiment 1.1 - Introduction to Cooling and Refrigeration Systems

Experiment 1.2 – Pressure/Temperature Relation

Experiment 1.3 – Materials and Circuits of the Control System

Experiment 1.4 – Compressor Types

Experiment 1.5 – Evaporation and Condensing Techniques

Experiment 1.6 – Materials and Circuits of the Electrical System

Experiment 1.7 – Troubleshooting Techniques for the Diagnosis and Repair of Faults and Faults Simulation

Experiment 1.8 – Maintenance Methods and Equipment Required for Servicing

## Chapter 2

Introduction

Experiment 2.1 - Introduction to Professional Cooling Systems

Experiment 2.2 – System’s Operation and Stabilization Conditions

Experiment 2.3 – Troubleshooting Techniques for the Diagnosis and Repair of Faults and Faults Simulation