Mindluster Platform

About the course HVAC metering device types techniques

HVAC metering device types course, in this course designed for both beginners and experienced technicians. This course provides an in-depth understanding of various HVAC metering device types, essential for controlling refrigerant flow in heating and cooling systems. You will learn about the different types of metering devices, including thermostatic expansion valves (TXVs), capillary tubes, electronic expansion valves (EEVs), and fixed orifice metering devices. Each module covers the operation principles, advantages, and applications of these devices. Practical, hands-on exercises will equip you with the skills to select, install, and troubleshoot these metering devices effectively. Additionally, the course emphasizes the importance of proper metering device selection for system efficiency and reliability. By the end of this course, you will have the expertise to ensure optimal performance in HVAC systems through the correct application of metering devices. Enroll now to enhance your knowledge and skills in HVAC technology and take your career to the next level. Start your journey to mastering HVAC metering devices today.

Engineering Category's Courses

Course Lesson(41)

Lesson 1 : **What is a Refrigerant How Does a Refrigerant Work Explained**

Lesson 2 :
Reading Refrigerant Gauges Pressure Temperature Relationship What Refrigerant is in the Tank

Lesson 3 :
Refrigerant Cycle Explained Heat Transfer Phase Changes High Low Pressure Vapor Liquid

Lesson 4 :
Refrigerant Charging Two ways to Check Refrigerant Charges Deeper look into the Refrigerant Cycle

Lesson 5 : **Heat Pump Refrigeration Cycle**

Lesson 6 : **Superheat and Subcooling Explained How to Easily Understand**

Lesson 7 : **Refrigeration Cycle Tutorial Step by Step Detailed and Concise**

Lesson 8 :
Refrigerant Charging Why Charge In Superheat for Systems with Pistons Orifices and Capillary Tubes

Lesson 9 :
Refrigerant Charging Why Charge a System with a TXV in Subcooling and why Superheat will Not Work

Lesson 10 :
TXV Function Refrigerant States Superheat across the Evaporator Coil Pressures Applied Tips

Lesson 11 :
Evaporator Coil How it Works Refrigerant Flow Phase Change Saturation Point Superheat Tips

Lesson 12 :
R 22 R 410A Refrigerants Checking the Charge Vapor Suction Operating Pressures What is Too Low

Lesson 13 : **Step by Step instructions on how to properly Check Refrigerant Charge**

Lesson 14 : **Exactly What is Superheat and Subcooling Shown on a Live AC Unit**

Lesson 15 : **How to Check Superheat and Subcooling**

Lesson 16 : **HVAC Low Refrigerant Subcooling**

Lesson 17 : **HVAC Superheat and Subcooling Explained Understand the Concepts Step by Step**

Lesson 18 : **Capillary Tube Metering Device and Evaporator Refrigerant Flow Superheat**

Lesson 19 :
Heat Pump Operation Compressor Reversing Valve Metering Device and Refrigerant Flow

Lesson 20 :
Liquid Receiver Tank Function Location in Refrigeration Why it s not used in Air Conditioning

Lesson 21 : **HVACR Refrigeration Cycle Training Superheat and Subcooling**

Lesson 22 : **HVAC Metering Device Types TXV Piston Capillary Tubes**

Lesson 23 : **Scroll Reciprocating Rotary Hermetic Refrigerant Compressors Cut Open**

Lesson 24 : **The Refrigeration Cycle Explained Step By Step**

Lesson 25 : **Basic Refrigeration Cycle**

Lesson 26 : **Refrigeration Cycle of a Heat Pump in Cooling Mode**

Lesson 27 : **Refrigeration Cycle of a Heat Pump in Heating Mode**

Lesson 28 : **HVAC Training Book Refrigerant Charging Service Procedures Ebook Paperback**

Lesson 29 : **Saturated Refrigerant Temperature Basics The P T Chart Reading The Gauge Set**

Lesson 30 : **Introducing our Refrigerant Charging Workbook**

Lesson 31 : **Fast Check for a Very Low Refrigerant Charge on an A C Unit**

Lesson 32 : **How the REVERSING VALVE Works in a Heat Pump HVAC Training**

Lesson 33 : **HVAC Training Metering Device Bypass for Heat Pumps Explained**

Lesson 34 : **How Refrigerant Works in an Air Conditioner HVAC Technician Training**

Lesson 35 : **TXV Thermostatic Expansion Valve Operation with Pressures 3 HVAC Scenarios**

Lesson 36 :
Refrigeration Cycle Training Class Superheat Subcooling Saturation Components How it Works

Lesson 37 : **R 22 and R 410A Operating Pressures on Air Conditioners Checking the Charge**

Lesson 38 :
HVAC Apprenticeship Class Refrigeration Cycle Superheat Subcooling Saturation Parts AC Heat

Lesson 39 : **HVAC Training Basics for New Technicians and Students Refrigeration Cycle**

Lesson 40 :
HVAC Apprenticeship Class Year 2 MINI SPLIT REFRIGERATION CYCLE in AC Mode with R 32 R 410A Temps

Lesson 41 : **How Does a Mini Split Provide Heat Refrigeration Cycle Heating Mode Explained**

Related courses

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