



AIR CONDITIONING PRODUCTS GROUP



AIR CONDITIONING TOOLS, EQUIPMENT & CONSUMABLES

1 DAY CITB SAFE HANDLING OF REFRIGERANTS

ACP Group offers this course as a 1 day follow on course from Vehicle Air Conditioning Service and Repair at a cost of £175.00 + VAT. This is normally a 2 day course at a cost of £305.00 + vat. Should you require just the CITB Safe Handling of refrigerants course please contact us for dates.

This course will eventually become mandatory for all engineers working with refrigerants. It strengthens learners knowledge regarding refrigerants, air conditioning and the refrigeration industry.

1 day follow on course from Vehicle Air Conditioning Service and Repair.

COURSE CONTENTS

ENVIRONMENTAL IMPACT. Fluorocarbons, Oxygen, Ozone Layer, Ultraviolet radiation, CFC's and HCFC's, Effect of CFC's and HCFC's on the Ozone layer, The Damage Done and Global Climate Change.

FLUOROCARBON CONTROL AND ALTERNATIVES. The Montreal Protocol, European Union Regulation 2037/2000, The Kyoto Protocol, Ozone Depletion and Global Warming Potentials of fluorocarbons, Refrigerant Replacement Categories, HFC's, Blends, Retrofitting, Hydrocarbons and Anhydrous Ammonia.

LEGISLATION AND REGULATIONS. COSHH, COSHH and Fluorocarbon Refrigerants, Management of Health and Safety at Work Regulations 1992, Environmental Protection Act 1990, British Standards, Refrigerant Cylinder Safety and The Carriage of Dangerous Goods by Road Regulations 1996.

REFRIGERANT RECOVERY AND HANDLING. Identification of Common Refrigerants, Identification Using Standing Pressure Test, Definitions, Options for Reuse of Refrigerant, Refrigerant Recovery, Using Recovery Units and Safe decanting Techniques.

REFRIGERANT THEORY. Refrigeration Theory, Vapour Compression Refrigeration Cycle, and Temperature Glide.

REFRIGERATION PRACTICES. Testing Refrigeration for Contamination, Strength and Leak Pressure Testing, Leak Detection Methods, Evacuation and Dehydration, Measurement of Vacuums, Practical Considerations, Comparison of Pressures and Refrigerant Charging.

Certificate is attainable on successful completion of a written and practical assessment.

TEST RIG:

Our test rig creates faults that include: blocked or stuck open expansion valve, blocked filter drier, over condensing, faulty compressor and poor air flow over evaporator.

Facilities: Our training centre has state of the art technology and the most up to date tools & equipment for candidates to use. Our lecturer has 28 years experience in the motor industry and is very hands on and when not teaching continues to work on vehicle air conditioning systems.

Need up to date training and tricks of the trade techniques, book a course and we can show you how to excel in the very profitable world of vehicle air conditioning.

