



Lifelong  
Learning  
Programme

# SPLIT SYSTEM: PIPE REPAIR, F-GAS CHARGE AND TEST

PRESENTATION OF THE PROJECTX-FINAL LEVEL 1.



SPLIT  
SYSTEM: PIPE  
REPAIR,  
F-GAS  
CHARGE AND  
TEST.

# FOR USE IN THIS CORE AREA: general and particular.

- ▶ GENERAL / KNOWLEDGE: THERMAL HEAT AND COLD / PLUMBING
- ▶ PARTICULAR / ACTIVITIES: PIPE WORKING, F-GAS CHARGING AND TESTING AC SYSTEMS



# LEARNING OUTCOMES. Common to be shared.

- ▶ HTNMT06 (TopMost): Testing air conditioning and ventilation installations
- ▶ HTNMT07 (TopMost): To carry out the corrective maintenance of an air conditioning and ventilation installation
- ▶ PLMAS01 (TopMost): Installing pipes for plumbing heating and air conditioning systems.

# DURATION

- ▶ Theory: 3 hours
- ▶ Practice: 20 hours

# THEORETICAL OBJECTIVES AND ACTIVITIES

## OBJECTIVES

1. Handling fluorinated gases
2. Pipe work and assembly.
3. Test the air conditioning system.
4. Quality Control.

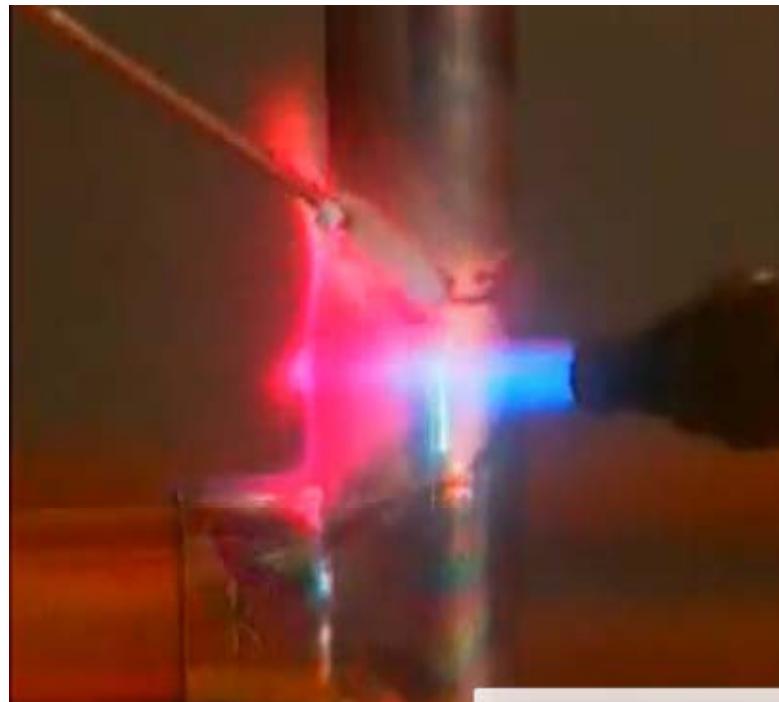
## ACTIVITIES

1. Evaluation Questionnaire
2. Measure in situ and draw the piece to be performed.
3. Multiple choice test

## PRACTICE.

### Brief description and pictures.

According to rules on fluorinated gases and air conditioning systems, fabricate a broken piece, assembly it, make the pressure and vacuum test, charge F- Gas and test the Air Conditioning system, including the records of the system checking and charging F-Gas tasks.



## PRACTICE. Activities.

- Measurement and pipe fabrication.
- Assembling the new part in the system.
- Pressure and vacuum test.
- Charge F-Gas.
- Check and report.



# PRACTICE. Activities.

- Pressure and vacuum test.



# PRACTICE. Activities.

Check the system

- Charge F-Gas.



## PRACTICE. Activities.

- Complete the records of the tests and the F-Gas charge.

MODELO: CONTROL DE LA CARGA DE REFRIGERANTE.			
Ref. de la instalación:			
Instalación:			
Usuario:			
Instalador:			
Marca y tipo de aceite utilizado	Circuito primario _____ Circuito secundario _____		
Carga inicial de refrigerante	Circuito primario _____ Kg. Circuito secundario _____ Kg.		
REPOSICIONES POSTERIORES.			
TIPO:	CANTIDAD AÑADIDA _____ Kg.	FECHA:	
MOTIVO:	<input type="checkbox"/> Ampliación de la instalación. <input type="checkbox"/> Rotura componente. <input type="checkbox"/> Fuga <input type="checkbox"/> Localizada y reparada Pérdidas apertura por reparación de _____		
PROCEDENCIA	Nuevo <input type="checkbox"/>	Reciclado <input type="checkbox"/>	Regenerado <input type="checkbox"/>
En caso de reutilización se adjunta análisis:		Sí <input type="checkbox"/>	No <input type="checkbox"/>
Suministrador:			
CANTIDAD RETIRADA:	Kg.	Fecha:	
MOTIVO:	_____ _____ _____		
¿Entregado a gestor de residuos?	SI <input type="checkbox"/>	NO <input type="checkbox"/>	
Empresa:	Motivo: _____		
Fecha entrega:	Destino del refrigerante: _____		