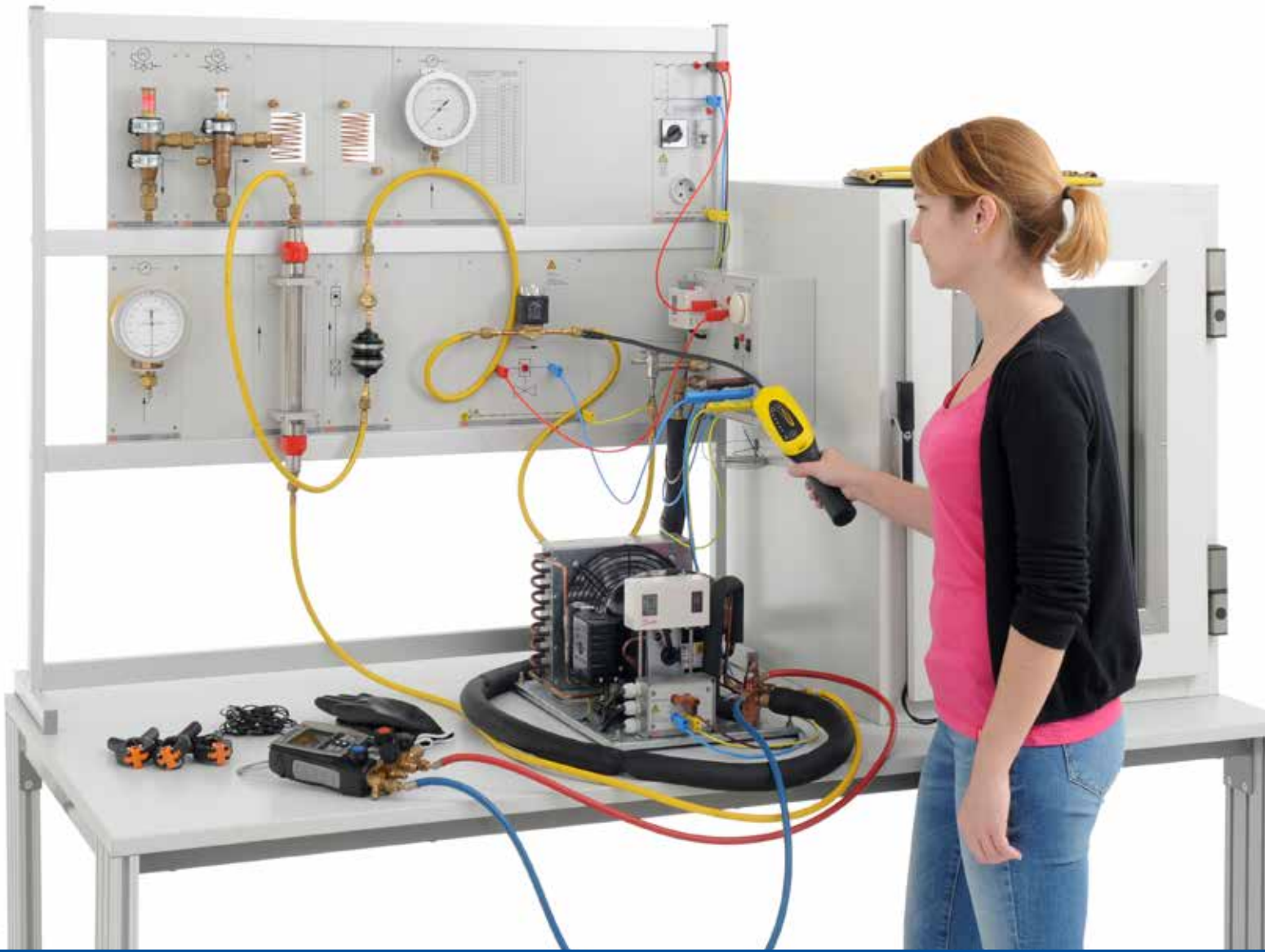




REFRIGERATION TRAINER R290

Modular Training System Using Propane
as Refrigerant

MODULAR REFRIGERATION TRAINER R290



To convey how complex a simple refrigeration system is: well-designed animations and detailed instructions show how a real refrigeration cycle operates using the pioneering refrigerant **R290** (propane) – a natural refrigerant with low GWP. It has one big advantage: unlike many other refrigerants, it is not affected by any “phase down” stage.

Training contents

- Design and function
- Pressure leak test
- Evacuation
- Leak test with detector
- Filling
- Setting of pressure switches
- Filling in commissioning protocol
- Operating response of a simple refrigeration system
- Putting the system into and out of operation

Equipment set RCC24



Supplementary equipment set: Process control and instrumentation

During operation, malfunction and disturbances can always arise. To prepare the operator for service duty, the training system simulates situations that frequently arise. Due to the fact that disturbances can be introduced and corrected by the trainee, operating the system becomes intuitive. The trainee also learns how to interpret symptoms and to eliminate sources of malfunction. Last but not least, the learning package also covers how to carry out measurements and how to operate the necessary measuring instruments.

Training contents

- Compare and evaluate measured variables of the system's various operating states
- Simulate and evaluate faults
- Analyze the effects of defective and contaminated components
- Correct use of the digital manometer battery
- EER computation and meaning
- Evaporation pressure and hot gas regulation

Equipment set RCC25



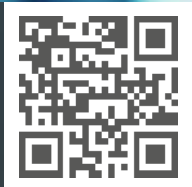
Supplementary equipment set: Capillary tube system R290

The capillary tube system conveys how a system like the one in most household refrigerators is designed and operates.

Training contents

- Design and function
- Pressure leak test
- Evacuation
- Leak test with detector
- Filling
- Setting pressure switches
- Filling out commissioning protocol
- Putting into and out of operation
- Effect of different lengths of capillary tubing

Equipment set RCC26



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