

## Refrigerated Fountain

### DESCRIPTION

- The refrigerated fountain consists of a hermetic compressor, an air condenser and a water evaporator with instantaneous cooling.
- The refrigerant used is R134a, in keeping with European standards
- Different failures can be simulated in the refrigeration unit, the water circuit, and the electrical circuit.



### SUGGESTED APPLICATIONS

Functioning and maintenance of a refrigeration fountain

Functioning of a refrigeration system with vapour compression

Constructing a diagram of the refrigeration cycle – computation of the balance

Adjusting various parameters  
Diagnosing failures.

# CRM 015

---

Any water supply may be used. The water enters at a maximum temperature of +25°C and leaves at 7/8°C

Capacity : 35 L.

The fountain is equipped with instruments to permit the measurement of flow rates, temperature, pressure, and electric power.) This allows for a complete study of the process including drawing of the refrigeration cycle in an enthalpic diagram, computation of the thermal balance, and computation of global output.

The unit is enclosed in lacquered sheet metal and mounted on a framework of extruded aluminium with four swivel casters equipped with a brake.