

# ASSEMBLY KIT OF WATER SOFTENING

## Mod. AD/EV

### INTRODUCTION

This kit enables students to learn how to install the equipment enabling water treatments in heating systems for civil and industrial applications. The aim consists in preserving the systems, minimizing energy consumptions, improving the operation of auxiliary devices (valves, thermostats, pressure switches, etc...). These treatments especially concern heating systems using hot water or superheated water, heating systems with low-pressure steam and sanitary hot water production systems. Students can carry out exercises on assembly, starting and testing of the system proposed.

### TRAINING PROGRAM

- Assembling and disassembling the kit and connection with water network
- Checking the system correct operation
- Verifying the minimum water flow rates for each apparatus according to the desired level of water hardness
- Practical exercises for managing the softener, pouring water on ion exchange resins, resin regeneration; sending the water to salt stock
- Adjusting the control device of regeneration cycles
- Servicing the softener
- Checking the efficiency of water filters

### TECHNICAL SPECIFICATIONS

Steel framework suitable to bear:

- Water softener and various types of filter
- Water distribution network
- Components for connection with the water under pressure
- Components for connection with the users
- Pressure gauge

**Power supply:** 230 Vac 50 Hz single-phase - 50 VA  
(Other voltage and frequency on request)

**Dimensions:** 90 x 70 x 130 cm

**Net weight:** 130 kg



### REQUIRED

#### UTILITIES (PROVIDED BY THE CUSTOMER)

- Tap water at 1 bar min.

### SUPPLIED WITH

#### THEORETICAL-EXPERIMENTAL HANDBOOK

