

### Water de-airing systems

We propose two different systems, both completed with a de-airing tank 7 or 33 litres cap.:

- Suitable vacuum pump and water trap to collect condensed water vapour. The water tank has to be fitted at a high level to fill the system by gravity.
- Integrated model incorporating vacuum pump/compressor, and valves. The vacuum pump is used as a little compressor to force de-aired water from the de-airing tank (that can be placed anywhere) to the system (pressure panels, bladders etc.).



28-T0492/A

### DE-AIRING WATER APPARATUS

#### ■ 28-T0492/A

**De-airing water apparatus.**  
230 V, 50-60 Hz, 1 ph.

#### ■ 28-T0492/AZ

**De-airing water apparatus.**  
110 V, 60 Hz, 1 ph.

### General description and specifications

This apparatus incorporates a vacuum pump compressor, a water trap and valves. It has to be connected to the De-airing tank (28-T0491 or 28-T0491/A). The double function of this unit gives the important advantage of placing the de-airing tank anywhere and quickly filling the de-aired water to the system by a simple valve.

**Dimensions:** 375x240x250 mm

**Weight approx.:** 10 kg

### DE-AIRING TANKS

#### ■ 28-T0491

**De-airing tank 33 litres cap.**

#### ■ 28-T0491/A

**De-airing tank 7 litres cap.**

### General description and specifications

Used in conjunction with a vacuum source (ex. 28-T0492/A apparatus) this item provides a very efficient and therefore quick means of removing the air from water. The de-airing tank consists of a perspex cylinder fitted with a water spray inlet, an air outlet and a water outlet. A suitable vacuum supply is connected to the air outlet and water is sucked into the cylinder in a fine spray via the water inlet. The vacuum draws the air out of the water. The larger 28-T0491 model is suggested for 3 triaxial cell system.

**Weight approx.:** 14 kg for model 28-T0491 and 3 kg for model 28-T0491/A



28-T0491/A



28-T0491

### VOLUME CHANGE MEASUREMENT

We propose two different models: standard 28-T0459 and electronic 28-T0494 suitable for connection to digital display or data acquisition and processing system as for example our model 30-T0601/A.

#### ■ 28-T0459

**Double burette volume change apparatus**

### General description and specifications

The apparatus comprises two measurement tubes, which have a 25 ml burette mounted internally and an acrylic tube externally. The burette tubes are connected directly to a reversing valve system, which is used to reverse the direction of travel of the interface in the measurement tubes without affecting the direction of flow of water to or from the triaxial cell. The unit also includes a by-pass valve system when volume change measurement is not required. Max. working pressure 10 bar.

**Dimensions:**

130x682x87 mm

**Weight approx.:** 3 kg

### Accessories

■ 28-T0459/5  
Red dye hydrocarbon soluble pack for 500 ml

28-T0459

