

DETERMINATION OF THE DEPTH OF PENETRATION OF WATER UNDER PRESSURE

STANDARD

EN 12390-8, ISO 7031

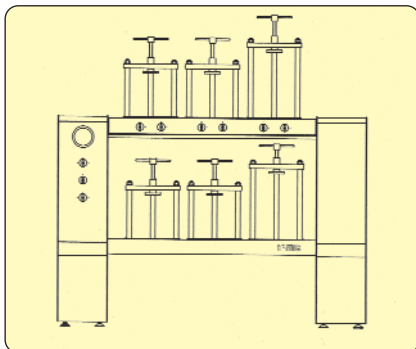
Introduction

The method concerns the determination of the depth of penetration of water under pressure. The test is performed by clamping a concrete prism 200x200x120 mm or 15 cm cube between two flanges with special circular gaskets. The water, under controlled pressure is then applied to the surface of the concrete specimen. The penetration of water is measured after the testing period by breaking the specimen or taking the readings through the graduated glass burettes.

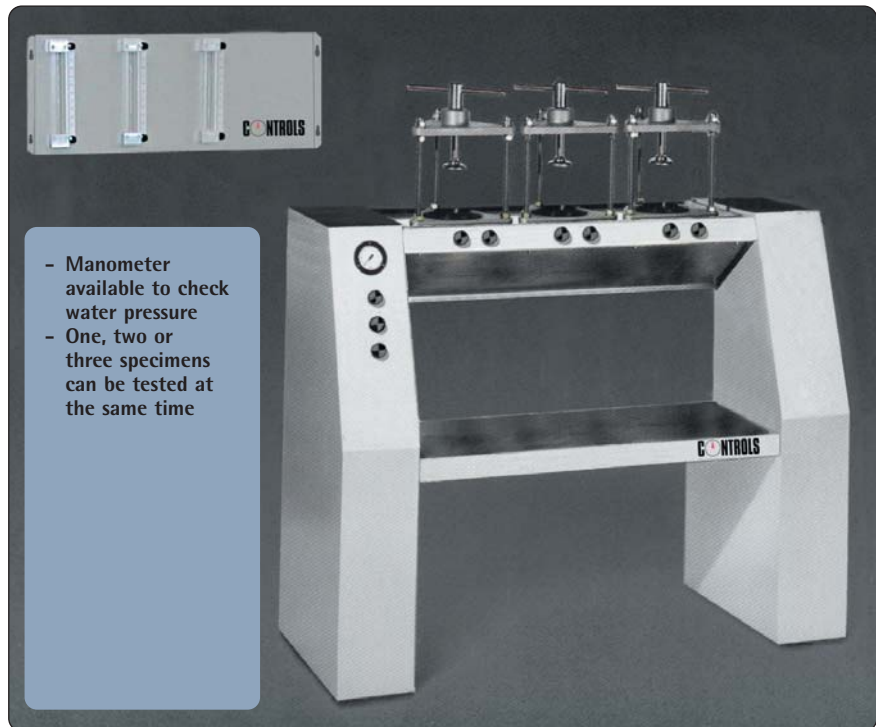
Two models available: three place (code 55-C0244/A) and six place (code 55-C0244/B) version. Both of them can be fitted with burettes for the quantitative determination of water penetration (codes 55-C0244/AV and 55-C0244/BV).

The systems can test concrete specimens up to 200 mm side or dia. and 300 mm high. Supplied complete with gaskets for 150 mm cube specimens.

The apparatus have to be fitted with a suitable air compressor, maximum working pressure 10 bar. (See accessories).



Sketch of the six place model 55-C0244/B



- Manometer available to check water pressure
- One, two or three specimens can be tested at the same time

55-C0244/AV

55-C0244/A Concrete water impermeability apparatus. Three place model

- Dimensions:**
(lxdxh) 1600x550x1600 mm
- Weight:** 200 kg approx.

55-C0244/B Concrete water impermeability apparatus. Six place model

- Dimensions:**
(lxdxh) 1600x550x1600 mm
- Weight:** 320 kg approx.

55-C0244/AV Concrete water impermeability apparatus. Three place model, complete with water measurement burettes

- Dimensions:**
 - (permeability apparatus lxdxh) 1600x550x1600 mm
 - (water measurement system lxdxh) 900x215x360 mm
- Weight:** 300 kg approx.

55-C0244/BV Concrete water impermeability apparatus. Six place model, complete with water measurement apparatus

- Dimensions:**
 - (permeability apparatus lxdxh) 1600x550x1600 mm
 - (water measurement system lxdxh) 900x215x1130 mm
- Weight:** 450 kg approx.

Accessories

- ▣ 86-D2015 Air compressor 50 litres cap. 230 V, 50 Hz, 1 ph.
- ▣ 55-C0245/2 Set of three rubber gaskets for 200x200x120 mm prisms

Spare parts

- ▣ 55-C0245/5* Set of three O-ring gaskets for 150 mm cubes

* Conforming to the EN 12390-8 specification