

### Product Code

UTS-0990A Balloon Density Apparatus 1600 ml ASTM  
 UTS-0993NF Balloon Density Apparatus 3000 ml NF  
 UTS-0996NF Balloon Density Apparatus 6000 ml, NF  
 UTS-1000NF Balloon Density Apparatus 10000 ml, NF

### Standards

ASTM D2167; NF P94-061-2: AASHTO T205

Balloon Density Apparatus are used for the on-site determination of the density of well bonded soil according to the ASTM and French standards respectively.

UTS-0990A consists of a graduated cylinder of 1596 ml capacity housed inside an aluminium guard, a reversible rubber aspirator pump, a density plate 9 inches square, and 12 rubber balloons. The principle of operation is similar to the sand replacement but the hole is filled by a rubber balloon where water is pumped. The amount of water can be easily determined by the graduation of the cylinder.

According to NF standard, a metal cylinder is filled with water which

is

then pumped into a rubber membrane mounted on the base of the cylinder. The water pressure is controlled by a pressure gauge and the volume of the balloon is measured on the graduated piston stem.



NF Type Balloon Density Apparatus are supplied complete with complete with;

- Reinforced Membranes, 6 pcs./pack
- Base Plate
- Locking Clamps, 4 pcs. (6 pcs. for UTS-1000NF)

ASTM Type Balloon Density Apparatus is supplied complete with complete with;

- A graduated cylinder, 1596 mL capacity housed inside an aluminum guard
- A reversible rubber aspirator pump
- Density plate
- Rubber balloons, 12 pcs.

Product Code	Dimensions	Weight (approx.)
UTS-0990A	320x320x650	7 kg
UTS-0992NF	mm	7 kg
UTS-0996NF	320x320x650	12
UTS-1000NF	mm	kg
	450x450x860	25
	mm	kg
	350x350x820	
	mm	