

Product Code

UTSP-0250 Concrete Pipe Watertightness Testing Machine

Standards

EN 1916

The test can be done either with an angle between pipes or under a shear force.

Machine can test pipes from diameter from 500mm to 1700 mm and length from 1000mm to 3200mm. Load up to 100 kN can be applied on pipes from top with double ended hydraulic piston which is mounted on upper crosshead of the machine. The position of the piston set manually and several distance pieces are supplied for different diameter of pipes. The load measurement is done by a load cell and load value can be seen from digital read out unit on control system.

Each pipe is located on a carrying car with one end with mechanical lifting system to give an angle up to 5. degrees to the junction end of the pipes. The lifting system is controlled by handheld system. Both cars are seated on a moving platform can move outside and inside of the machine for easy placing of pipes. This movement is done by 3 motorized gear box unit controlled by handheld system.

Both open ends of pipes is closed with circular cover that can be used for pipes diameter from 500mm to 1700mm. Water inlets for different size of pipe are located on those covers (All diameters should be giving at the time of order). There is a hydraulic piston used to generate the pressure on each end of pipes closed with cover. The maximum load of this piston is 800kN. The load is measured by a transducer and can be seen from digital readout on control panel. The piston is fitted on middle column of the machine. This column and the covers is equipped with motorized gearbox for easy test set up. Each motor is controlled by handheld.

There is a water pressure system fitted to the machine. The maximum pressure is 1,5 bars. There is a digital pressure gauge to see the pressure inside of the pipes. The machine is supplied with complete frame, accessories, hydraulic power pack and digital read out systems. A small container should be supplied by cus

