

Water Bath Test Apparatus (DN 400mm to 1000mm HDPE Pipe) for Hydrostatic Test on HDPE Pipes /UPVC Pipes as per IS 4984 & IS 4985

Technical Specification

1. Water Bath : Complete S S Body heavy duty Water Bath (High Temperature)
2. Temperature Range : Up to 100 Degree Celsius
3. Heating : Heating zone to be equipped with suitable capacity immersion vertical heaters of required numbers.
4. Display : PID Based Digital Temperature Controller (With Calibration certificate from NABL approved laboratory)
5. Least Count : 0.1 Degree Celsius
6. Working Accuracy : ± 1 Degree Celsius
7. Water Bath Inner Size : 3.0(L) X 2.0 (W) X 2.0 (H) Meters
8. Construction
 - Inside Body – S S Material (S S 304, 16 Gauge)
 - Outside Body- S S Material (S S 304, 20 Gauge)
 - Body (Complete Body made of S S sheet fabrication) - Heavy duty square pipe angle structure and with Glasswool – PUF Sheet Insulation
 - Cover : Complete body made up with S S Sheet fabrication with suitable structural body with complete PUF + Glasswool/ Serwool insulation and to be fitted with weather rubber strips with heavy duty lifting handles assembly.
 - Body and Cover Structure – Complete suitable heavy duty angle bracket structure to withstand volume of the water, HDPE pipes of dia. Up to DN 1000mm with fitting and other load.
 - Base structure – Heavy M S angle structure “C “for better rigidity of bath on floor.
 - Connection provision – Water inlet footwall, water overflow connection, drain out connection, S S Piping connection for water circulation with low water level alarm system.
9. Electrical Panel : Control Panel fitted on to bath equipped with mains On/Off, heater On/Off, circulation pump On/Off, MCB, PID temperature controller, Indicating lamps for 3- phase power supply etc.
10. Manifolds (Doctor Blocks) : Shall be of brass material and to be suitably mounted on one side of water bath with 1 inlet and 4 outlets.
11. Water Circulating Pump : Shall be of suitable make equipped with S S piping with 1 Inlet to pump and 2 outlets to chamber to generate even temperature in bath chamber.
12. Any other items/spares : Spares as per standard supply (Inclusive) and other items as Suitable


Technicians


Asst. Tech. Officer


Tech. Officer / HOD