



## QUENCH TEST APPARATUS

### DESCRIPTION: -

This apparatus is useful for determining the harden ability of steels by End Quench Test. The test consists of heating a standard size specimen to a given temperature for a specific period of time, followed by a water quenching at one end under specified conditions and measuring the hardness at various points from quenched end along the length of piece.

After heating the test specimen is kept on the specimen holder where it is automatically centered with respect to water jet. The quick action valve starts impinging the water jet on the specimen end instantly. The elaborate arrangement of pump, tank, pipe etc enables to obtain desired correct water head for the particular nozzle. The nozzles are of quick change type and can be replaced instantly. Different set of nozzles, specimen holders, water head adjusting pipes are available to suit the different test specimen. The electrical controls for pump motor are supplied and the entire apparatus is totally enclosed.



**BJEQT-25**

### SPECIFICATIONS: -

Model	BJEQT-25
Standard test piece dimensions	Dia 25± 0.5x length 100± 0.5 mm
Inside dia of verified water supply pipe	12.5± 0.5 mm
Height of the free water jet (without test piece in position)	65± 10 mm
Distance from tip of Nozzle to the bottom of test piece	12.5± 0.5 mm
Power supply	1 Ph, 230V, 50Hz, AC
The nozzles specimen holders and pipes for maintaining specific water head for testing specimen of size Dia 18, Dia 12 and Dia 6 mm can be Supplied at additional cost	