

SPECIFICATIONS FOR LC1015T-D-VCR DUCTILE IRON LID

Manufacturing Process: LC1015T-D-VCR Sigma's 10" x 15" D.I. RECTANGULAR LID WITH 2" DIA. TOUCH READ HOLE MARKED WATER METER Lid is manufactured in Ductile Iron as per ASTM, A 536. The material grade is permanently cast on the Lid. The Lid is tested in compliance with AASHTO M306 Standard.

Lid shall have a textured non-slip surface.

Casting is manufactured true to pattern and the lid will fit on a respective meter box satisfactorily.

Testing: Test protocol shall follow AAHSTO M 306, Section 6 Proof-Load Testing with the following exceptions and details.

A proof load of 178 kN [40,000 lb.] is concentrated on a 229 mm by 229 mm [9 in. by 9 in.] area placed at the center of the LID. To distribute the load evenly in testing, an intermediate layer of material (i.e., rubber.) is placed between the test block and the casting to be tested. The load is applied at a constant rate between 45 kg/sec and 454 kg/sec [between 100 lb/sec and 1000 lb/sec]. The casting is tested with respective support. The specified load is applied and held for a period of 1 minute by a suitable testing machine.

Vertical Load exceeds the minimum 40,000lb load.

