



FLOW TABLE (CONCRETE)

1. AVAILABLE VARIANTS

1. Flow Table – Concrete – 900 X 900 mm
2. Flow Table – Concrete – 700 X 700 mm – IS 9103
3. Flow Table – Concrete – 1000 X 1000 mm
4. Flow Table – Concrete – Motorised – 76.2 cm Dia – M.S. Top – IS 1199
5. Flow Table – Concrete – Motorised – 76.2 cm Dia – Brass Top – IS 1199
6. Flow Table – Concrete – Hand Operated – 76.2 cm Dia – Brass Top – IS 1199
7. Flow Table – Concrete – Hand Operated – 76.2 cm Dia – M.S. Top – IS 1199

2. Common Essential Accessories

Where specified in the source:

- Mason Trowel – 6"
- Digital Stop Watch
- S.S. Scale – 1 mtr.

3. VARIANTS DETAILS

1. Flow Table – Concrete – 900 X 900 mm

- As per IS:1199 (Part 6)-2018 / EN 12350-8.
- For slump-flow test for testing fresh concrete.
- Apparatus consists of a Slump Cone and an M.S. Base Plate.
- Base plate made from a flat steel plate, 3 mm thick.
- Plan area of at least 900 mm × 900 mm.
- Plate has a flat, smooth surface.
- Construction is stout enough to prevent distortion.
- Deviation from flatness is less than 3 mm at any point when a straight edge is placed between opposite sides and corners.
- Center of the plate is scribed with a cross, with lines parallel to the edges.
- Circles of 210 ± 1 mm diameter and 500 ± 1 mm diameter are provided with their centers coincident with the center point of the plate.
- All lines are maximum 2.0 mm wide and 1.0 mm deep.
- Essential accessories at extra cost:
 - Mason Trowel – 6"

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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
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TAN No. : AHME00572F



- Digital Stop Watch
- S.S. Scale – 1 mtr.
- G.I. Scoop – 8" x 4"
- Spirit Level – 1000 mm
- G.I. Container or Bucket – 10 Ltr. capacity
- Base plate can also be made of stainless steel at an extra cost.

2. Flow Table – Concrete – 700 X 700 mm – IS 9103

- Compliance Standards:
 - IS 9103
 - EN 12350-5
 - IS:1199-Part 2
- Flow table top constructed from a flat metal plate of minimum thickness 1.5 mm.
- Top has a plan area of 700 mm × 700 mm.
- Flatness within 1.5 mm.
- Center of the table scribed with a cross and central circle of 200 mm diameter.
- Under surface reinforced to prevent distortion.
- Front of flow table top provided with a lifting handle.
- Total mass of flow table top: 16 kg.
- Flow table top hinged to a base frame using externally mounted hinges.
- Front of base frame extends a minimum 120 mm beyond the flow table top.
- Upper stop provided on each side so that the lower front edge can only be lifted 40 ± 1 mm.
- Lower front edge provided with two hard rigid stops.
- Base frame constructed so that load is transferred directly to the surface on which the flow table is placed, with minimal tendency for the flow table top to bounce.
- Accessory apparatus includes metal mould and hardwood tamping bar.
- Mould:
 - Minimum thickness 1.5 mm.
 - Hollow frustum of a cone.
 - Top diameter: 130 ± 2 mm.
 - Base diameter: 200 ± 2 mm.
 - Height: 200 ± 2 mm.
 - Base and top open and parallel to each other and at right angles to the axis.
- Tamping bar made of hardwood.
- Tamping bar section: 40 mm × 40 mm.
- Tamping bar length: 200 mm with circular section handle.
- Essential accessories at extra cost:
 - Masonary Trowel – 6"
 - Digital Stop Watch
 - S.S. Scale – 1 mtr.

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3. Flow Table – Concrete – 1000 X 1000 mm

- Flow table apparatus constructed in accordance with Fig. 1A and 1B of IS 9103.
- Flow table top constructed from a flat metal plate of minimum thickness 1.5 mm.
- Top has a plan area of 1000 mm × 1000 mm.
- Flatness within 1.5 mm.
- Center of the table scribed with a cross and central circle of 200 mm diameter.
- Under surface reinforced to prevent distortion.
- Front of flow table top provided with a lifting handle.
- Flow table top hinged to a base frame using externally mounted hinges.
- Front of base frame extends a minimum 120 mm beyond the flow table top.
- Upper stop provided on each side so that the lower front edge can only be lifted 40 ± 1 mm.
- Lower front edge provided with two hard rigid stops.
- Base frame constructed to transfer the load directly to the surface on which the flow table is placed, with minimal tendency for the flow table top to bounce.
- Accessory apparatus includes a metal mould.
- Essential accessories at extra cost:
 - Mason Trowel – 6"
 - Digital Stop Watch
 - S.S. Scale – 1 mtr.
 - G.I. Scoop – 8" x 4"
 - Spirit Level – 1000 mm
 - G.I. Container or Bucket – 10 Ltr. capacity

4. Flow Table – Concrete – Motorised – 76.2 cm Dia – M.S. Top

- As per IS:1199-1959 (R.A.2004).
- M.S. table top, 762 mm diameter, finely machined at the top with reinforcing ribs at the bottom.
- Vertical shaft fitted to the underside of the table in the center.
- Cast iron frame with machined base and polished smooth vertical hole for the table shaft.
- Horizontal shaft carries a cam at one end and a hand wheel at the other with appropriate motor assembly for rotation.
- Conical mould in the form of frustum of a cone:
 - 250 mm inside diameter at base.
 - 170 mm inside diameter at top.
 - 120 mm high.
- Mould provided with two lifting handles.
- Complete with one tamping rod, 0–60 cm long × 16 mm diameter.
- Ground and hardened steel cam designed to drop the table by 12.5 mm.

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- Electrically operated to raise and drop the table top approximately 15 times in 15 seconds.
- Suitable for operation on 230 volts, 50 cycles, A.C. supply.

5. Flow Table – Concrete – Motorised – 76.2 cm Dia – Brass Top

- As per IS:1199 (1959) R.A.2004.
- Brass table top, 762 mm diameter, finely machined at the top with reinforcing ribs at the bottom.
- Vertical shaft fitted to the underside of the table in the center.
- Cast iron frame with machined base and polished smooth vertical hole for the table shaft.
- Horizontal shaft carries a cam at one end and a hand wheel at the other with appropriate motor assembly for rotation.
- Conical mould in the form of frustum of a cone:
 - 250 mm inside diameter at base.
 - 170 mm inside diameter at top.
 - 120 mm high.
- Mould provided with two lifting handles.
- Complete with one tamping rod, 0–60 cm long × 16 mm diameter.
- Ground and hardened steel cam designed to drop the table by 12.5 mm.
- Electrically operated to raise and drop the table top approximately 15 times in 15 seconds.
- Suitable for operation on 230 volts, 50 cycles, A.C. supply.

6. Flow Table – Concrete – Hand Operated – 76.2 cm Dia – Brass Top

- As per IS:1199-1959 (R.A.2004).
- Flow table for determining the flow of Portland cement concrete.
- Flow table top 76.2 cm (30") diameter, finely machined from Brass/Gunmetal.
- Stand fabricated out of cast iron/mild steel and of sturdy construction.
- Ground and hardened steel cam designed to drop the table by 12.5 mm.
- Complete with flow mould with handles.
- Complete with one tamping rod, 60 cm long × 16 mm diameter.

7. Flow Table – Concrete – Hand Operated – 76.2 cm Dia – M.S. Top

- As per IS:1199-1959 (R.A.2004).
- Flow table for determining the flow of Portland cement concrete.
- Flow table top 76.2 cm (30") diameter, finely machined from Mild Steel.
- Stand fabricated out of cast iron/mild steel and of sturdy construction.
- Ground and hardened steel cam designed to drop the table by 12.5 mm.
- Complete with flow mould with handles.

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- Complete with one tamping rod, 60 cm long × 16 mm diameter.

5. VARIANTS SPECIFICATION

1. Flow Table – Concrete – 900 X 900 mm

Specification

Details

Overall Dimensions 910 X 910 X 310 (L X W X D) mm

Weight (Approx.) 14 Kg

2. Flow Table – Concrete – 700 X 700 mm – IS 9103

Specification

Details

Overall Dimensions 890 X 765 X 130 (L X W X D) mm

Weight (Approx.) 16.500 Kg

3. Flow Table – Concrete – 1000 X 1000 mm

Specification

Details

Overall Dimensions 1010 X 1010 X 310 (L X W X D) mm

Weight (Approx.) 44 Kg

4. Flow Table – Concrete – Motorised – 76.2 cm Dia – M.S. Top

Specification

Details

Overall Dimensions 900 X 800 X 700 (L X W X D) mm

Weight (Approx.) 105 Kg

5. Flow Table – Concrete – Motorised – 76.2 cm Dia – Brass Top

Specification

Details

Overall Dimensions 820 X 990 X 660 (L X W X D) mm

Weight (Approx.) 105 Kg

6. Flow Table – Concrete – Hand Operated – 76.2 cm Dia – Brass Top

Specification

Details

Overall Dimensions 760 X 740 X 710 (L X W X D) mm

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Specification

Details

Weight (Approx.) 85 Kg

7. Flow Table – Concrete – Hand Operated – 76.2 cm Dia – M.S. Top

Specification

Details

Overall Dimensions 800 X 800 X 700 (L X W X D) mm

Weight (Approx.) 96 Kg

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