



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

O FUNNEL APPARATUS - TYPE I



Features:

- Funnel is cone-shaped. Top diameter is 230 mm, bottom diameter is 50 mm, height is 550 mm
- The cylindrical part is constituted by a duct (duct size ID is 50 mm).
- Two horizontal marks are set at respectively 3 and 38 cm from the bottom for the precise measurement of the flowing time
- A trap door is set at the bottom of the duct. Two systems have been used on the different prototypes, a sliding trap or a spring falling trap with turn out to be of simpler use (see pictures)
- A tripod to support the funnel with adjustable legs in order to have it leveled when making the measurement (can be set with a build in spirit level)
- The respect of the dimensions is very important in order to have consistent values to compare (1 mm for the top diameter, 0.1 mm for the cylindrical part and 1 mm for the marks position).
- The O funnel is fabricated from 304 grade stainless steel Material

Technical Specifications:

- 1 Cone shaped funnel, bottom internal diameter 50 mm, top internal diameter 230 mm, height 550 mm made of 2 mm thick stainless steel
- 3 Square section tubes (ext. dim 30 mm, int. dim. 27 mm), length 700 mm,
- 3 Square section tubes (ext. dim 25 mm, int. dim. 22 mm), length 700 mm,
- 3 Rods diameter 10 mm, length 200mm
- 1 Turned piece (duct + connecting part to the funnel) made of a cylindrical part height 60 mm, internal diameter 50 mm, external diameter 60mm and a cone shape adapting ring, height 10 mm, internal diameter 50 mm,
- 1 Top deck (see scheme)
- 1 spring, (wire diameter 1.5 mm), external diameter 15 mm, Length 110 mm
- 1 Spring clamp 20 x 40 x 4 mm
- 1 Trap door 140 x 80 x 2 mm

- 1 Trap door clamp 20 x 40 x 4 mm
- 1 Rubber sheet 80 x 80 mm x 5 mm
- 1 Trap door blocking lever
- 1 Trap door blocking lever setting device, tube squared section (ext dim. 20 mm), length 40 mm
- 4 Washers (diam. 10 mm)
- 2 Nuts and bolts diam. 10 mm.
- 3 Wing nuts (egs adjustment system)
- 2 rods diameter 4 mm Length 30 mm (top and bottom marks)
- 1 spirit level

Essential Accessories at extra cost

- Scoop
- Ruler
- Stopwatch
- Trowel

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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F