

Product Name :
Vertical Flow From A Tank Measurement**Product Code :**
FUDE0025**Description :**

Vertical Flow From A Tank Measurement

Technical Specification :

- determination of the diameter and velocity of the outlet jet
- study of openings with different inlet and outlet contours
- determining the contraction coefficient

Pressure losses in the flow from tanks are essentially the result of two processes: the jet deflection upon entry into the opening and the wall friction in the opening. As a result of the pressure losses the real discharge is smaller than the theoretical flow rate.

MR-HM 150.12 determines these losses at different flow rates. Different diameters as well as inlet and outlet contours of the openings can be studied. Additionally, the contraction coefficient can be determined as a characteristic for different contours.

The experimental unit includes a transparent tank, a measuring device as well as a Pitot tube and twin tube manometers. An interchangeable insert is installed in the tank's water outlet to facilitate the investigation of various openings. Five inserts with different diameters, inlet contours and outlet contours are provided along with the unit.



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