

Description

To meet the demand for a satisfactory method of controlling the rate of discharge of waste liquors of all kinds, prior to their entry into Drains and/or Treatment Plants, the Constant Volume design of Floating Arm, illustrated here, was evolved and has been successfully used in many installations.

Fitted into Balancing Tanks or Settling Tanks, the arm is arranged such that the head 'H' remains constant over the full depth of drawdown 'D', ensuring a substantially constant rate of discharge between top and bottom liquid levels.

The orifice is accurately machined into a U.P.V.C. plate, attached by bolts, for interchangeability, if required.

Standard sizes from 80mm to 375mm, outlet pipe diameter, to discharge up to a maximum of 168 litres per second (2,100 gallons per minute) approx., assuming free discharge at the outlet. We shall be pleased to advise on specific requirements.

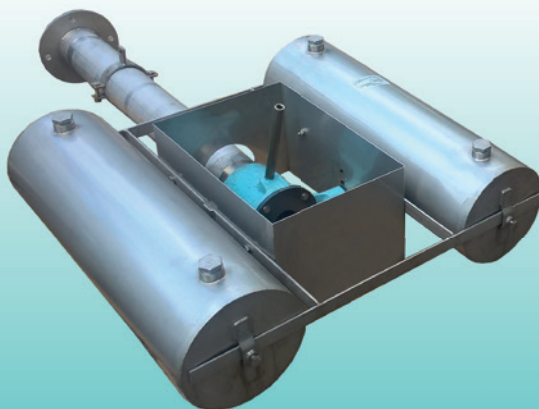
Preparation and Protective System

All cast iron parts are painted with one coat of black bituminous compound and all steel parts galvanised but otherwise untreated.

Alternative Preparation and Paint Systems are available upon request.

Options

- Stainless steel 304 or 316 for float and arm assembly (generally used in potable water applications)
- Stainless steel main assembly for restricting operation of floating arm
- Cast iron sluice valves complete with handwheel, Tee Key or actuated control
- Special flange drilling
- Wall fixed brackets for swivel bend



Material Specification

Swivel Bend

Cast Iron to BS1452 Grade 220

Swivel Bend Bushes

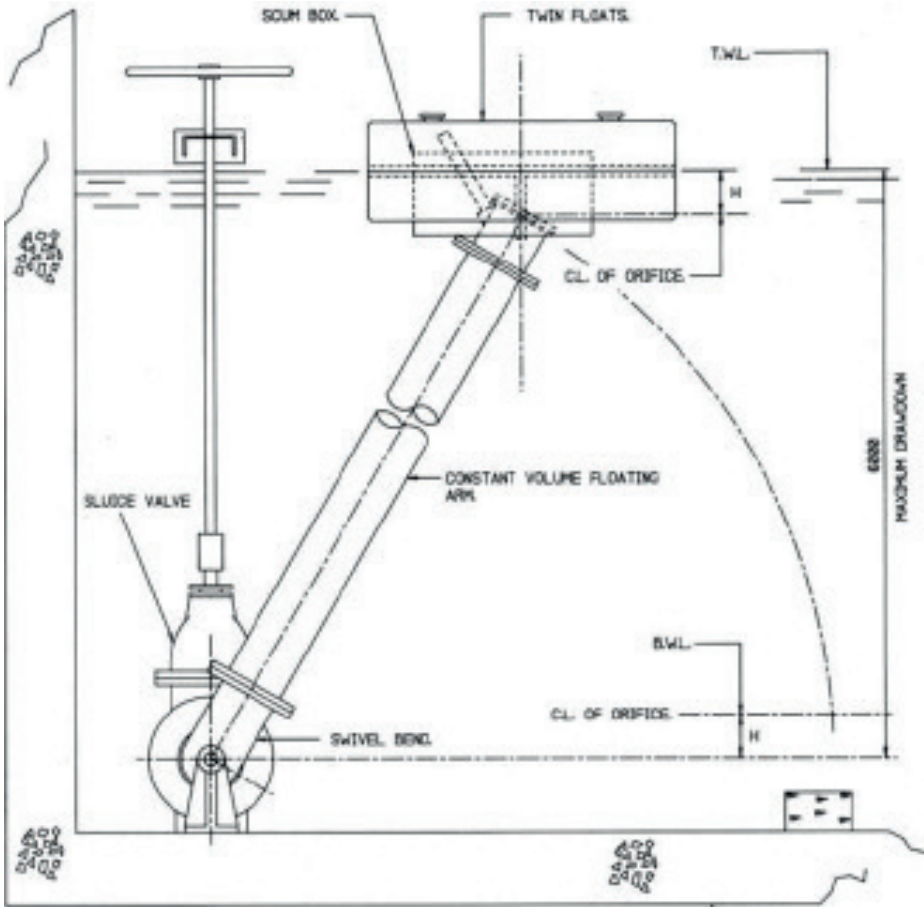
Gunmetal to BS1400 LG2

Floating Arm, Floats and Stays

Mild Steel (Good Commercial Quality) Galvanised

Orifice Plate

U.P.V.C.



Flow Control Division

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