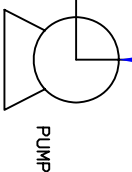


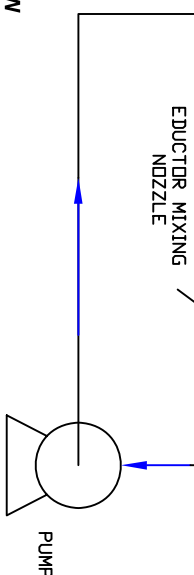
SQUARE AND RECTANGULAR TANK

A schematic diagram of a dual-nozzle eductor system. A pump is connected to a manifold that splits into two lines, each leading to an "EDUCTOR MIXING NOZZLE". Red streamlines show the flow pattern from each nozzle, illustrating the positioning of the eductor mixing nozzle.



TO DETERMINE AGITATION THROW

Diagram illustrating the setup for determining agitation throw using a pump and three eductor mixing nozzles. The pump is connected to the system, and the flow direction is indicated by blue arrows. The eductor mixing nozzles are shown with their respective spray patterns, which are used to determine the agitation throw.



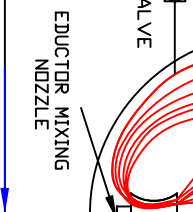
To agitate the liquid, position the Nozzle at the bottom of one side of the tank and direct the plume upwards towards the opposite side of the tank, aiming at the highest likely liquid level. To sweep solids along the tank bottom, direct the nozzle plume downwards at a 20 degrees angle towards the pump inlet.

The Nozzle plume is cone shaped, diverging at an angle of approximately 11 degrees. To determine the approximate length of the discharge, multiply the pressure drop across the Eductor Nozzle in PSI times 1 foot.

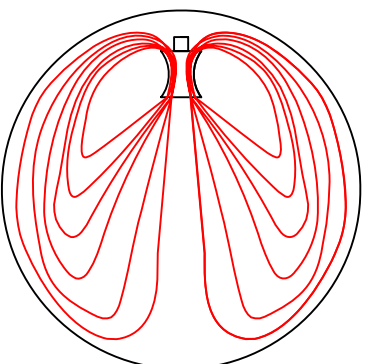
SIDE VIEW

CHECK VALVE

EDUCTOR MIXING NOZZLE



The figure consists of two sub-diagrams. The top diagram is labeled 'SIDE VIEW' and shows a rectangular domain containing a flow field represented by red streamlines. The streamlines originate from a central point at the top, where a small square symbol is located, and spread outwards and downwards. A blue arrow points upwards from the bottom left corner. The bottom diagram is labeled 'TOP VIEW' and shows a circular domain containing a flow field represented by red streamlines. The streamlines originate from a central point at the top, where a small square symbol is located, and spread outwards in a circular pattern. A blue arrow points to the right from the left edge.



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REV	DATE	DESCRIPTION	CHECK	APPROVE	



WILSON ENGINEERING (S) PTE LTD

CUSTOMER :

PROJECT : 1092 CJ70 JACK UP

MODEL : EDUCATOR MIXING NOZZLE

DRAWING TITLE : PLAN AND ELEVATION VIEWS

PD REF

DOC. NO :

SHEET 1 OF 1 DWG NO : TM1

REV 0