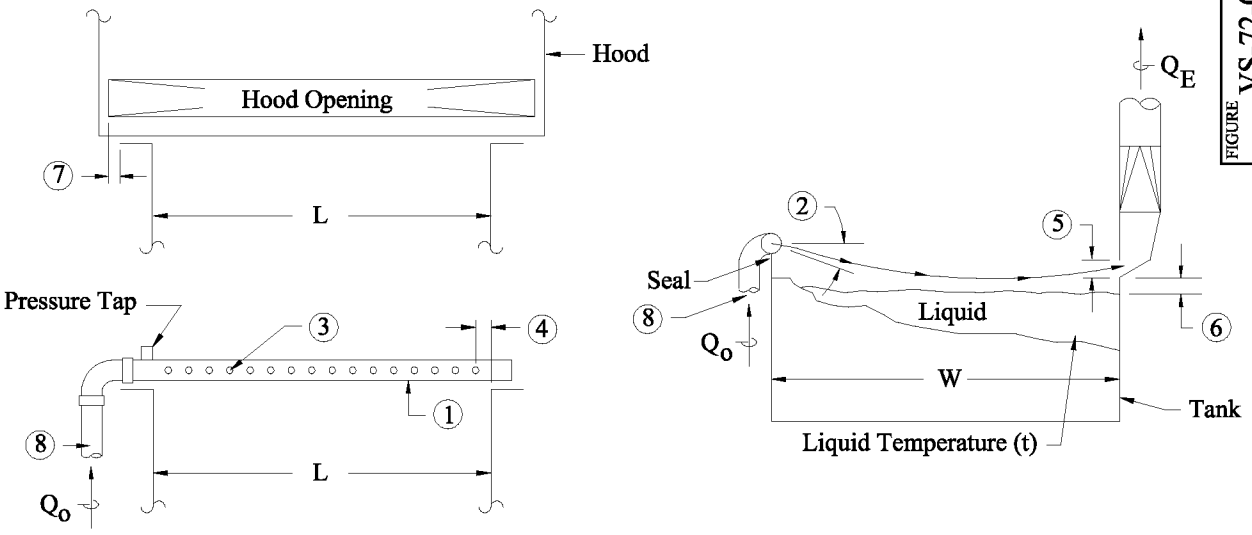
FIGURE VS-72-01



Push nozzle manifold	(1) - Circular, rectangular or square. Manifold cross-sectional area must be at least 2.5 times the total nozzle flow area. The manifold is mounted to the tank so that there is no gap between it and the tank.
Push nozzle angle	(2) - 0° to 20° down.
Nozzle openings	(3) - 1/8" to 1/4" slot or 3/32" to 1/4" dia. holes on 2" centers recommended. Other sizes and spacings may be used. See 10-72 text. Outer holes or slot ends (4) must be 1/2" to 1" inside tank edge.
Exhaust opening	(5) - Size to achieve 2000 fpm slot velocity. Outer edges of opening (7) must extend to edge of tank including flanges.
Liquid surface	(6) - Tank freeboard should be maintained at the minimum consistant with the process.
Push nozzle supply control valve	(8) - See 10-72 text.
Push nozzle supply flow	(Q_o) - See 10-72 text.
Exhaust flow	(Q_E) - See 10-72 text.

Tank surface area = L (length of tank) x W (width of tank)

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