



Standard Coagulation, Flocculation, and Sedimentation Pilot Plants

Category: Pneumatic, Hydraulic & Fluid Mechanics · Model reference: MZM-6017



SPECIFICATIONS

DESCRIPTION:

Designed to meet the requirements of many conventional filtration pilot applications, this standard module combines a chamber for coagulant rapid mixing, windowed basins for flocculation, and a lamella plate settler. Also includes five separate flow-paced chemical injection systems.

SPECIFICATIONS :

Flow Rate	1...6.5 gpm
Rapid Mix Chamber	2 @ 3.4 gal
Rapid Mix Velocity Gradient	20...1089 s ⁻¹
Floc Basins	3 @ 50.4 gal
Floc Basin Velocity Gradient	3...113 s ⁻¹
Floc Basin Detention Time	11.9 minutes per basin
Sed Basin	1 @ 100 gal
Settling Plates	2...30
Settling Area	1.49 sq ft per plate
Sed Basin Detention Time	22.4 minutes
Chemical Feed Systems	5
Chemical Feed Pumps	5 @ 0.11...42 gpd
Chemical Tank Capacity	5 @ 7 gal
Dimensions	161"L X 30"W X 81"H
Dry Weight	1440 lbs.
Electrical Requirements	11.2 A Max @ 119 VAC
Monitored Parameters	Feed Flow, Feed pH, Feed Turbidity, Settled Water pH, Settled water Turbidity, Temperature

*based on standard model as shown. Some options include 2, 3, or 4 floc basins, pressure feed valve, etc. Please contact our sales team for more information.

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