

LabDELTA™ BATCH pH ADJUSTMENT SYSTEMS



Shown: LDB-B



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The LabDELTA™ BATCH is a skid-mounted pH adjustment system that is designed for neutralizing small-volume laboratory process wastewater. This batch system includes a holding tank that stores wastewater before being transferred to the reaction tank. Batch systems use one active treatment stage to ensure that the wastewater will be neutralized to the required discharge pH before entering the sewer line.

Specifications

- Inlet pH range 1 - 13
- Inlet temperatures up to 160 °F
- Fabricated polypropylene tanks and skid with containment skirt
- Skid-mounted design, ready to install
- Factory piped, wired, and tested before shipment
- Indoor installation

Standard Features

- UL-Listed control panel
- NEMA 4 powder-coated steel enclosure
- PLC-based control system with 7" color touchscreen HMI with built-in remote access via Ethernet
- Dry contacts for common alarm, influent permissive, and pH excess time out of range
- Run permissive for remote enable/disable
- pH probe in recirculation/discharge piping
- Discharge pH monitoring, trending and logging
- Double-contained 14-gallon acid and caustic chemical day tanks
- PVC metering pumps
- Seismic tie-downs
- Pumped discharge

Power Requirements

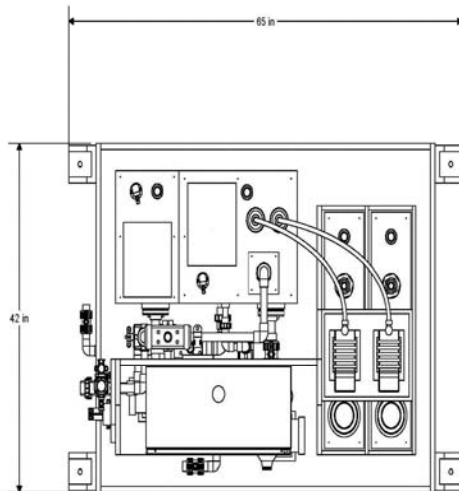
- 115 VAC, 1 phase, 60 Hz, 10 Amps (pumped discharge)

Optional Features

- Discharge flowmeter recording with flow totalization, trending, and logging

ORDERING INFORMATION			
LDB	LabDELTA™ BATCH		
	Treatment Chemicals (pH Range) (Choose One)		
-A	Acid Addition (for high pH wastewater, with pH between 7 and 12.5)		
-B	Acid and Caustic Addition (for wastewater with pH between 1.5 and 12.5)		
-C	Caustic Addition (for low pH wastewater, with pH between 1.5 and 7)		
	Options (Choose One)		
-FL	Discharge Line Flow Meter		
Example Part Number			
LDB	-B	-FL	LDB-B-FL

DIMENSIONS AND TECHNICAL INFORMATION



NOZZLE SCHEDULE			
NOZZLE	DESCRIPTION	QTY	SERVICE
N1	3/4" FNPT	1	DISCHARGE
N2	1" FNPT	1	INLET
N3	1" FNPT	4	VENT PORT
N4	1/2" FNPT	2	DRAIN PORT
N5	4" FUNNEL	2	CHEMICAL FILL PORT
N6	1/4" FNPT	1	CDA INLET
N7	1/2" FNPT	1	CONTAINMENT DRAIN

APPROXIMATE DRY WEIGHT: 325 LB

APPROXIMATE OPERATING WEIGHT: 625 LB

