

LabDELTA® BATCH pH ADJUSTMENT SYSTEMS



Shown: LDB-B-FL-SK



Shown: LDB-C-FL



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 20 gallon holding tank that stores wastewater before being transferred to a 10 gallon 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 2 - 12
- Inlet temperatures up to 160 °F
- Fabricated polypropylene tanks and skid
- 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 and influent permissive
- Run permissive for remote enable/disable
- pH probe in recirculation/discharge piping
- Discharge pH monitoring, trending and logging
- Double-contained 10-gallon acid and caustic chemical day tanks
- PVC metering pumps
- Seismic tie-downs
- Pumped discharge

Utility Requirements

- Power: 115 VAC, 1 phase, 60 Hz, 10 Amps
- CDA: 1 SCFM @ 100 psig

Optional Features

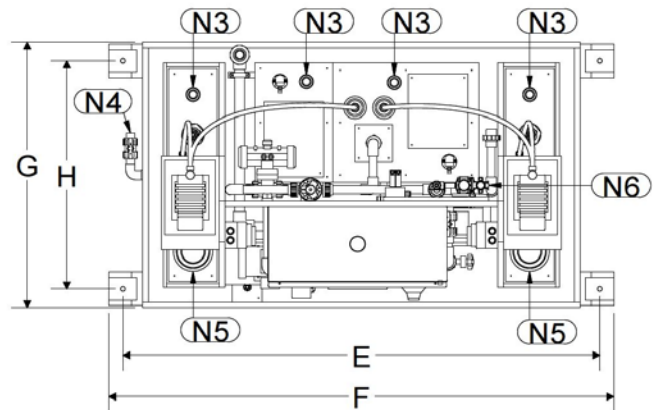
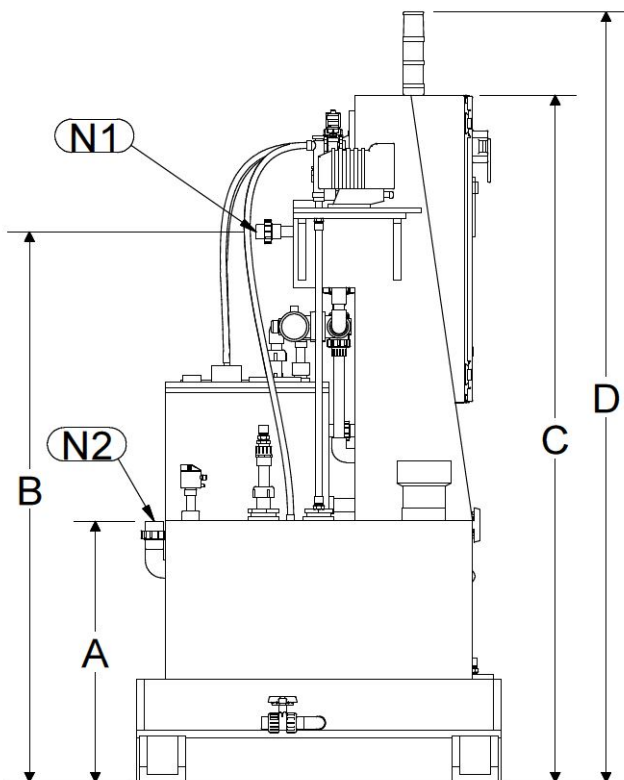
- Discharge flowmeter recording with flow totalization, trending, and logging
- Secondary containment skirt for entire skid with leak switch

ORDERING INFORMATION

LDB	LabDELTA® BATCH		
	Treatment Chemicals (pH Range) (Choose One)		
-A	Acid Addition (for high pH wastewater, with pH between 7 and 12)		
-B	Acid and Caustic Addition (for wastewater with pH between 2 and 12)		
-C	Caustic Addition (for low pH wastewater, with pH between 2 and 7)		
	Options (Choose One)		
-FL	Discharge Line Flow Meter		
-SK	Secondary Containment Skirt		
Example Part Number			
LDB	-B	-FL	LDB-B-FL

DIMENSIONS AND TECHNICAL INFORMATION

Part Number	Dimensions								Dry Weight (Lbs)	Operating Weight (Lbs)
	A	B	C	D	E	F	G	H		
LDB-A / LDB-C	25 1/2"	39 3/4"	67"	75"	50 3/4"	54 1/2"	32 1/4"	25"	380 lbs	890 lbs
LDB-B	25 1/2"	39 3/4"	67"	75"	58 1/4"	62"	32 1/4"	25"	465 lbs	975 lbs
LDB-A-SK / LDB-C-SK	25 1/2"	39 3/4"	67"	75"	55 3/4"	59 1/2"	35 1/2"	30 1/2"	430 lbs	940 lbs
LDB-B-SK	25 1/2"	39 3/4"	67"	75"	63 3/4"	67 1/2"	35 1/2"	30 1/2"	520 lbs	1030 lbs



NOZZLE SCHEDULE		
NOZZLE	DESCRIPTION	SERVICE
N1	3/4" FNPT	DISCHARGE
N2	1" FNPT	INLET
N3	1" FNPT	VENT PORT
N4	1/2" FNPT	DRAIN PORT
N5	4" FUNNEL	CHEMICAL FILL
N6	3/8" FNPT	CDA INLET