

LabDELTA™ PLUS pH ADJUSTMENT SYSTEMS



Shown: LDP-G-B-LR



Shown: LDP-P-B-LR-FL



The LabDELTA™ Plus is a skid-mounted pH adjustment system that is designed for neutralizing small-volume laboratory process wastewater. This continuous system uses two active treatment stages along with effluent pH monitoring to ensure that the wastewater will be at a safe discharge pH before entering the sewer line.

Specifications

- Inlet pH range 1.5 -12.5
- Flows up to 3 gpm
- Inlet temperatures up to 160 °F
- Fabricated polypropylene tanks and skid
- Double-contained reaction tanks with leak switch
- 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 out of range
- Run permissive for remote enable/disable
- pH probes in reaction tanks and monitoring tank
- Discharge pH monitoring, trending and logging
- Double-contained 14-gallon acid and caustic chemical day tanks
- PVC metering pumps
- Seismic tie-downs
- Gravity discharge

Power Requirements

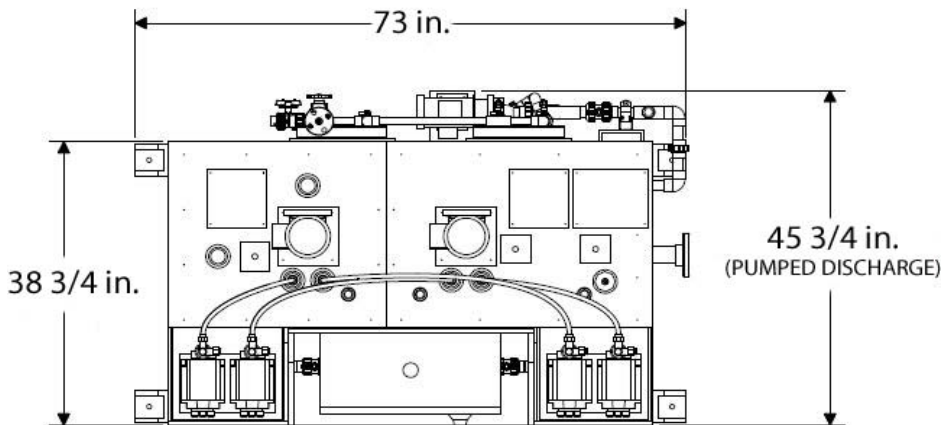
- 115 VAC, 1 phase, 60 Hz, 20 Amps (gravity discharge)
- 115 VAC, 1 phase, 60 Hz, 30 Amps (pumped discharge)

Optional Features

- Pumped discharge with two horizontal centrifugal pumps rated for 3 gpm at 30' TDH
- Discharge flowmeter recording with flow totalization, trending, and logging

ORDERING INFORMATION

LDP	LabDELTA™ Plus			
	Discharge Type (Choose One)			
	-G	Gravity Discharge		
	-P	Pumped Discharge (One Operating and One Spare)		
	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)		
	Flow Direction (Choose One)			
	-LR	Left to Right		
	-RL	Right to Left		
	Options			
	-FL	Discharge Line Flow Meter		
LDP	-G	-B	-LR	LDP-G-B-LR-FL

DIMENSIONS AND TECHNICAL INFORMATION


NOZZLE SCHEDULE		
DESCRIPTION	QTY	SERVICE
2" FLG	1	DISCHARGE (GRAVITY)
2" FNPT	1	WASTEWATER INLET
1" FNPT	5	VENT PORT
2" FNPT	2	CHEMICAL FILL PORT
3/4" FNPT	4	DRAIN PORT
3/4" FLG	1	DISCHARGE (PUMPED)

APPROXIMATE DRY WEIGHT: 1000 LB
 APPROXIMATE OPERATING WEIGHT: 3030 LB

