

labTREAT[™] pH neutralization for lab and research effluent

labTREAT[™] systems are specifically designed to handle the unique characteristics of laboratory and research effluent streams with bi-directional pH neutralization.

All systems feature state-of-the-art instrumentation and control systems using proprietary "Optimized Hybrid Batch" pH adjustment technology. Completely automated operation integrates seamlessly with PRI Effluent Decontamination Systems (EDS) and lift stations.



(labTREAT[™] Model LT15)

SYSTEM OVERVIEW

- Ranging from 1 to 300 GPM Standard
- Custom Up to 10,000 GPM
- Skid Mounted
- Turnkey Construction
- Minimal Installation Time
- Integral Drip/Spill Containment
- NEMA 4X Electrical Components
- Small Footprint
- Easy to Service
- State-of-the-Art Controls
- Integration with PRI EDS
- One, Two or Three Stage Systems Available

OPTIONAL EQUIPMENT

- Influent Equalization
- Influent/effluent Lift Stations
- Final Effluent Monitoring
- Final Effluent Sampling
- SCADA, BMS or Internet Remote Monitoring
- Duplex Systems for Redundancy
- Bulk Chemical Delivery
- On-board Chemical Storage
- Explosion-Proof Design

SPECIFICATIONS

Electricity:	480V / 60Hz / 3ph		
Compressed Air:	< 1 SCFH @ 80 PSIG		
Influent:	0 < pH < 14, 32 °F - 212 °F		
Discharge:	6.5 < pH < 8.5, fully programmable		

MATERIALS OF CONSTRUCTION

Treatment Tank:	Polypropylene / FRP / Stainless		
Reagent Tank:	Polypropylene / HDPE		
Pumps:	CPVC / Polypropylene / Stainless		
Piping:	PVC / CPVC / Polypropylene / Stainless		
Valves:	PVC / CPVC / Polypropylene / Stainless		
Skid:	Epoxy-Coated CS / Stainless		
Containment:	Polypropylene		

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Model	Process Flow (GPM) Average / Peak *	Treatment Tank Volume (gal)	Dimensions (in)	Port Flange Size (in)	Amps	Approx. Dry Weight (lbs)
LT05	5 / 15	135	30x40x52 (H)	1.5	15	300
LT010	10 / 15	155	36x48x60 (H)	2	15	400
LT015	15 / 25	200	60x120x80 (H)	2	15	600
LT025	25 / 40	540	60x120x80 (H)	4	15	1400
LT050	50 / 75	950	60x144x80 (H)	4	20	1900
LT075	75 /110	1250	72x144x80 (H)	6	20	2250
LT100	100 / 150	1870	72x158x84 (H)	6	20	6000
LT125	125 / 187	2250	84x158x96 (H)	8	20	6250
LT150	150 / 225	2250	84x158x96 (H)	8	20	6500
LT175	175 / 275	2690	84x158x100 (H)	8	20	6750
LT200	200 / 300	3000	84x172x100 (H)	10	20	7000

*Capacities and dimensions are approximate and may vary depending upon options and features requested. Avg 60 minute flow rate. Peak flow rate for less than 5 minutes. Note: pH systems handling flows in excess of 10,000 gpm are also available.



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