

TREATMENT PRODUCTS CORPORATION

Wastewater Treatment & Recovery Systems

P.O. Box 444 Thorndale Pa. 19372-9998

Phone (610) 384-6279 Fax (610) 384-6239

Email sales@treatmentproducts.com

Website www.treatmentproducts.com

CONTINUOUS NEUTRALIZATION SYSTEMS



Two Stage Neutralizer & Controls 11 GPM

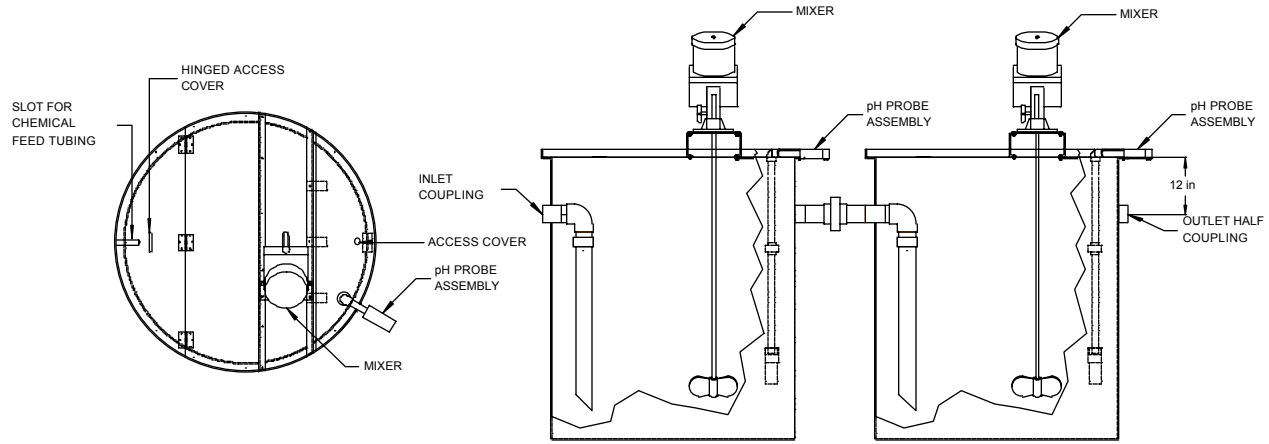
OPTIONS

- 1. Skid Mounting:** Fully assembled units requiring only plumbing connection to inlet waste stream and suitable discharge (typically to sewer), and connection of suitable electric service. Skids are fabricated of structural steel and coated with corrosion resistant epoxy.
- 2. Chemical Feed Low Level Alarms:** Level switch assemblies can be provided for installation in the customer provided acid and caustic carboys or totes to initiate an alarm when any chemical container falls below a preset level.
- 3. Effluent pH Monitor and Recorder:** An additional pH monitor with inline pH probe installed in an effluent U trap assembly of PVC construction is provided to monitor the treated effluent pH and provide a permanent record by means of a strip chart recorder. An abnormal pH treated effluent alarm is also available with this option.
- 4. Effluent Flow Monitor and Recorder:** Options are available for monitoring the instantaneous and total flow of the treated effluent stream. A strip chart recorder is available to provide a permanent of the instantaneous flow rate.

These engineered **neutralization systems** are packaged for easy low cost installation, and maximum reliability. These systems are designed for continuous flow rates up to 173 GPM and nominal inlet pH ranges of 1 - 14. All Treatment Products systems are designed for ease of operation and are constructed with state of the art components to ensure safe reliable operation.

STANDARD FEATURES

- 1. Tank Construction:** Rugged one piece molded heavy walled translucent polyethylene provides excellent chemical and impact resistance. Operating Temperatures to 140°F. The 65 gallon thru 550 gallon models are also available with polypropylene tanks for operating temperatures to 200°F.
- 2. Tank Covers:** corrosion resistant covers are securely bolted in place. Hinged Access Ports with easy access handles are provided to facilitate visual internal inspection. The 65 gallon tank has a thick polyethylene cover that also supports the mixer. The 110 thru 700 gallon tanks have PVC covers. The 800 thru 2000 gallon tanks have polyethylene covers.
- 3. Agitator Support Rails:** All tanks larger than 65 gallon capacity are utilize corrosion resistant fiberglass agitator support rails.
- 4. Mixers:** rugged continuous duty mixers with 1/8 inch thick PVC coated stainless steel propeller and shaft. All motors are TEFC, 120 volt single phase. The 65 thru 500 gallon models include direct drive 1750 RPM mixers. The 550 thru 2000 gallon models utilize gear drive 350 RPM mixers.
- 5. Chemical Feeds:** Sulfuric Acid and Sodium Hydroxide are added on a proportional basis depending on the pH of the wastewater and are drawn directly from a customer provided carboy or tote to minimize handling of corrosive chemicals. Standard chemical feed pumps are as manufactured by Liquid Metronics (LMI) other pumps are available upon request. Pumps rated at 2 thru 25 GPH are electronic metering pumps, and pumps rated at 29 thru 58 GPH are variable speed motor driven pumps. Pumps are complete with PVC suction assembly and carboy vent valves to eliminate chemical odors and maximize operator safety.
- 6. Controls:** are housed in a NEMA 4X Fiberglass corrosion resistant enclosure. pH is controlled via two Great Lakes Instruments microprocessor based pH controllers utilizing GLI's proven differential pH probes. Stage # 1 & #2 Abnormal pH alarms are provide



MAX FLOW GPM	TANK						MIXER				ACID PUMP	CAUSTIC PUMP	BUDGET PRICE
	VOL. GAL	DIA. IN.	HEIGHT IN.	NOM. WALL THICK. IN.	CONN. HEIGHT IN. (1)	CONN. SIZE IN.	HP	SHAFT DIA. IN.	SHAFT LENGTH IN.	PROP DIA. IN.	MAX FLOW GPH (2)	MAX FLOW GPH (3)	
5	65	22	40	1/4	28	1	1/3	3/4	40	3 3/4	2	2	\$19,694
7	110	30	36	5/16	24	1 1/4	1/3	3/4	36	3 3/4	2	4.5	\$21,898
11	150	31	48	5/16	36	1 1/2	1/3	3/4	48	3 3/4	2	4.5	\$22,306
13	165	31	56	5/16	44	1 1/2	1/3	1 1/4	56	3 3/4	2	4.5	\$23,322
14	180	30	60	5/16	48	2	1/3	1 1/4	61	3 3/4	2	7	\$23,641
21	260	36	60	5/16	48	2	1/2	1 1/4	60	4	4.5	7	\$24,495
27	360	48	48	3/8	36	3	1/2	3/4	48	4	4.5	10	\$27,017
33	440	52	48	3/8	36	3	1/2	3/4	48	4	4.5	20	\$27,590
39	500	52	60	3/8	48	3	1/4	3/4	49	9 1/2	7	20	\$28,615
46	550	48	72	3/8	60	3	1/4	3/4	61	9 1/2	7	20	\$29,850
50	575	42	96	3/8	84	3	1/4	1 1/4	84	9 1/2	7	20	\$30,060
56	650	48	84	3/8	72	3	1/4	3/4	72	9 1/2	8	20	\$30,959
58	700	55	70	3/8	58	4	1/4	3/4	59	9 1/2	8	20	\$31,652
65	800	60	66	3/8	54	4	1/4	3/4	55	9 1/2	10	25	\$32,786
82	1000	66	72	3/8	60	4	1/4	3/4	61	9 1/2	20	29	\$39,804
95	1100	60	90	7/16	78	4	1/4	1 1/4	80	9 1/2	20	58	\$40,874
106	1250	69	84	7/16	72	6	1/4	3/4	72	9 1/2	20	58	\$42,931
128	1500	73	84	7/16	72	6	1/4	3/4	72	9 1/2	20	58	\$45,032
171	2000	84	84	7/16	72	6	1/4	3/4	72	9 1/2	25	58	\$47,104
173	2000	82	90	7/16	78	6	1/4	1 1/4	80	9 1/2	25	58	\$47,219

(1) Connection location provides 12" of tank freeboard above connection centerline

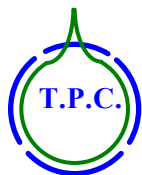
(2) When feeding 96% Sulfuric Acid Dosage will be at least 4000 PPM at system max. flow and pump max. stroke length and frequency

(3) When feeding 50% Sodium Hydroxide Dosage will be at least 4000 PPM at system max. flow and pump max. stroke length and frequency

(4) Call Treatment Products for current pricing and application assistance.

For further information contact.

Represented By:



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