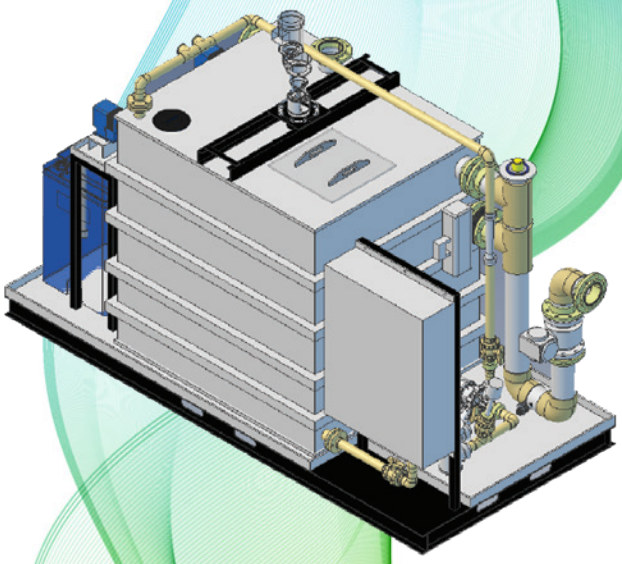
BURT | PROCESS EQUIPMENT

Partners In Global Water Quality

ACS

Assured Compliance System

pH Neutralization



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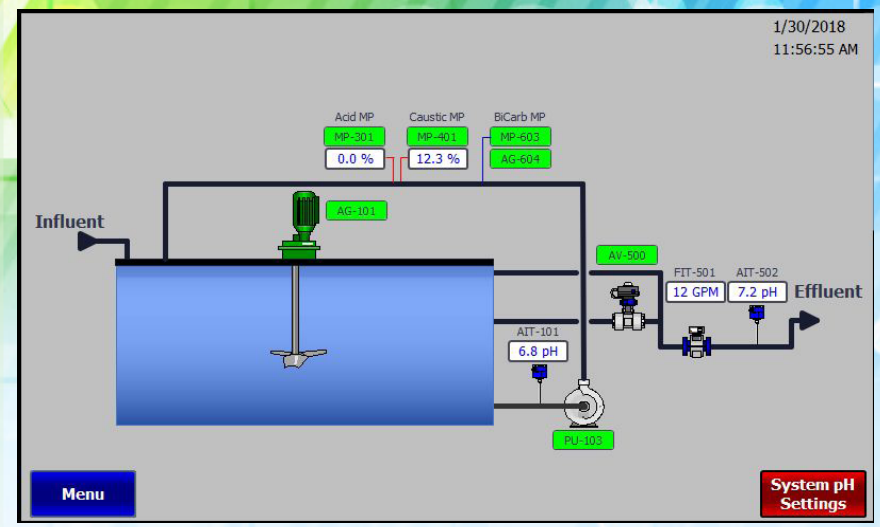
Assured Compliance Systems (ACS) treat continuous flow streams employing hybrid batch technology developed by Burt Process Equipment, the leader in pH neutralization systems for over forty five years. Unlike typical continuous flow systems, the ACS provides assurance of a properly treated waste stream through the use of freeboard and flow diversion should an out of range pH condition occur.

STANDARD FEATURES AND BENEFITS

- Flow Rate of up to 500 GPM and a pH of 1-14
- Assured Compliance Control Technology
- Passive Equalization Chamber
- Multi-Chamber Treatment Tank
- Heavy-Duty Gear Mixer
- Recirculation Loop Reagent Injection
- Wet-Tap with Self Cleaning pH Probe
- High Efficiency Proportional Metering Pumps
- Large Out-of-Spec Retention Volume

AVAILABLE OPTIONS

- Single or Dual Stage Treatment
- Additional Diversion Storage Tanks
- Pump Lift Stations
- Instantaneous & Total Flow Monitors
- Effluent Temperature Monitor
- Redundant pH Probes
- Passive Tank pH Adjustment
- Full Range of Analytical Monitors
- Effluent Sampling Systems
- SCADA Interface
- Bulk Reagent Transfer Systems



HMI Control Screen

ACS Continuous Flow and Batch Treatment Modules

MODEL		ACS-50	ACS-75	ACS-100	ACS-125	ACS-150
Continuous Flow Capacity (Max. GPM)		50	75	100	125	150
Mix Tank Volume (Gal.)		1,250	1,875	2,500	3,125	3,750
Reagent Tanks Volume (Gal.)		70	70	70	70	70
Reagent Metering Pump Capacity (GPH)		10.0	10.0	10.0	10.0	10.0
Reaction Mixer (HP)		1	2	3	5	5
Dimensions (inches)	Length	156"	135"	144"	171"	198"
	Width	72"	96"	96"	96"	96"
	Height	114"	122"	130"	130"	130"
Electrical Power (Amps) 460V 3-Phase		20	20	30	30	30

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Send us your specifications… we'll provide the solution.

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Our Services

- System Engineering
- System Installation and Upgrades
- Programming Updates
- PLC and PC Controls Integration
- Start-up, Testing, Training
- Documentation
- Maintenance & Technical Support
- Preventive Maintenance Contracts and Agreements
- Instrumentation Calibration
- Pump Equipment Repair
- On-Site Equipment Evaluations

Our Products

- pH Neutralization Systems
- High Purity Water Generation Equipment
- Rainwater Recovery Systems
- Chemical Feed Systems
- Pump Transfer Stations
- Wet Process Benches
- Metal Finishing Components and Systems
- Pumps
- Tanks and Mixers
- Process Instrumentation and Controls
- Plastic Valves, Fittings and Tubing

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